A Complete Bibliography of Publications in the *Journal of Systems and Software* (1979–1999)

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org,
beebe@computer.org (Internet)
WWW URL: http://www.math.utah.edu/~beebe/

29 August 2024
Version 3.01

Title word cross-reference

$^+$ [WH99]. , [FW90]. β [LM94]. F [CJP98]. K [Nei97, DT90, DS94]. L [VH89]. N [EL88, Pha94]. R [Kor99b]. Z [FF96, FRF98].

-Coteries [Nei97]. **-Distributed** [LM94]. **-machine** [VH89]. **-metric** [CJP98]. **-modular** [EL88]. **-nets** [Kor99b]. **-trees** [WH99]. **-Version** [Pha94, EL88].

/M/1/Fifo [MR86].

1 [Bel91, Lit90, WL99]. **1-2-3** [Lit90]. **1679** [Coo81]. **1980s** [Gla92d]. **1990s** [Ano92f, Gla92e]. **1996** [BT97].

2 [WM90]. **2167A** [Wal91].

3 [Lit90].

4GL [Ano87e, Dol97]. **4GLs** [Gla91a].

'99 [LS99].

Abbott [BYY87]. **Abstract** [Bel91, Car96, Vla98]. **Abstraction** [BW83, MM81, MG81, Nit96, Nit98]. **Abstractions** [How80, VP92, KB98]. **Abuse** [Got92b]. **Academic** [BHR89, Lai99]. **Academic/Industrial** [BHR89]. **Acceptance** [Gla93d]. **Access** [CH83, Hać86a, HB83, Hen95, MO90, UH86, Ulu97]. **Accumulation** [Tör90]. **achieve** [Ano87f, RVM99]. **Achieving**

[Bol97a, KWME99, Lam97, Ber94]. **Acquisition** [SL96, Tar92, Eri92, Ozk97]. **across** [FF95]. **ACSE** [Lai95, LL97a]. **action** [Rom98]. **Active** [PW87, WNHM86, BG98, ÇZUB99, DMV98, KR98, yL98, MA94, SBB98, Ulu98]. **Actor** [RMC93]. **Actor-Based** [RMC93]. **Actors** [Chu97]. **ADA** [Bel91, CW90, Bak88, CT94, Coh81, DS92, Dil91, EOM95, MA89, PW92, Rom98, SC88, Tom89, Wal91, Whe81]. **Ada-like** [CT94]. **Adaptation** [PW92, WKM94]. **Adaptations** [GRS92]. **Adapting** [CR89]. **Adaptive** [Blu93, CW97, SF92, LC98]. **Adding** [RUV92]. **Addressing** [Jef96, WJ99, HR95]. **adhocracy** [Ano93f, Gla93b]. **Adjustment** [UH96]. **Administration** [DR84]. **Adopting** [Har97]. **adoption** [BM89, WD99]. **Advanced** [GK91b]. **Advantage** [Gla97f]. **advantages** [VC97]. **advice** [KJ99]. **aerospace** [Tha80]. **affecting** [DLT99]. **Affinity** [WWC97]. **Affirm** [MD81]. **after** [Gla98f]. **Age** [Rei87]. **Agency** [FK92]. **agent** [PA99, Shu99]. **agent-based** [Shu99]. **agents** [WM99]. **Aggregate** [Mot96]. **AIDA** [EOM95]. **Aided** [Amm91, BTT84, Mey88a]. **Aisim** [Mer87]. **Albrecht** [Dol97]. **Algebra** [Bra96, MR84]. **Algebraic** [BCFG86, DGM93, KH96, Krä91b]. **Algorithm** [AT97, CBK96, DS94, Fra86, HJ90a, HJ91, Hać93, HL94a, Hać94, Hen88, MTW97, NM93, RY93, Tan96, TW95, WTS95, Cha93, JM96, Ng99, TW98]. **Algorithms** [BP86, Bha84, CZ91, DHP86, FG93, Fis91, HJS91, Hać91, MS97, MPS86, MS90, Sca88, Sta90, TM98, Tri86a, Ver89, YP94, ZR87, Amm89, BdADH94, CDS99, DLT99, Hać92, KH97, MC98]. **All-uses** [FWH97]. **alleviating** [WWC98]. **Allocating** [ML95, TC93]. **Allocation** [AH81, Cho95, Rah92, SG89, KKiMT96, Leu97, PM99, TM98]. **alone** [ST89]. **Alterations** [SB95]. **alternating** [GAK92]. **Alternative** [KML94]. **Alvey** [Qui94]. **American** [Gla97f]. **Among** [HB83, LIC92, Sho91, CLLC96, Dol97]. **Analyses** [Eva97, OKOM97]. **Analysis** [AS96, Ber93, BC91, CH94, CR90, CMP85, DLG96, DG80, EHS93, Eli92, FM93, FN85, FAI94, FAI97, Gla92a, GDF86, Hag91, Har88b, HH87, HB89, IMM95, Jef91, JP94, JO83, KSH92, Ken84, KS96, KP93, KP97b, Lak93, LL97b, LH83, Liu93, MTG92, McF92, MW95, MM93c, Mue86, Myr90, Nel81, Par86, PdF97, PH86, RCSD93, Sca88, Sch91, Sel93, SB95, TOYI95, Tia96, TTP97, Tsu85, WH91a, WH91b, WKM94, YNDS88, ZEB88, ZX94, vdBK94, CLL99, CJP98, CKyL98, DS98, FTAM99, GAK92, Hać92, JM96, Kor99a, LHC95, LM96, Lut96, MR99, NS92, Row86, SC88, Wei79]. **Analysts** [TDB97]. **Analytic** [BDM+93, FSA87, FWP93, Lee93]. **analytical** [RST98]. **Analyzer** [FLN91, BB89, EOM95]. **Analyzing** [His98, MW95, Mot96, Sta90]. **and-or** [Vla98]. **Anecdote** [Gla98a]. **animation** [MSHB98]. **Annotated** [Not85a]. **announcements** [Ano92d]. **Anomalies** [WKM94]. **Anomaly** [CA87b, CA87a, Hsi91b, KMM89, Zwe90]. **anonymous** [Gla95g]. **answers** [VL94]. **anything** [Gla97g]. **Apollo** [BP86]. **appear** [Gla96h]. **Applicability** [WH91a]. **Application** [AF96, BFG97, BYY87, Ber93, BL98, CLO95, DK94, EHS93, Fri90, Gla92f, GV92, Gla99c, HL94a, HZ84, HS95, Lan98b, LVB+93, MM93a, MB84, Nit98, SL96, TZ92, TM97, YN91, ZC97, Ano92g, CTZ92, Dav99, DFCR96, FJ98, HBJ+99, WHMP99]. **Application-Specific** [DK94]. **Applications** [Ano86d, CR85, Goe80, Gom89, HH97, HFK92, KP97a, MD91, MK90, Sta93b, Zho94, DY99, ISS98, JCJ99, KHL+99, Ozk97, PL94, SPK99, SBB98, TL99]. **Applying** [BS93, KS96, LL98, Moo98, Rog89, Ano93e].

Approach [AQ90, Bar92, BW83, BAH96, BST93, CB89b, Car96, DA86, DK97, DLS94, Dil91, Dye87, Dye93, Fra90, HZ84, HOT97, JvB83, KL95, KAL97, KSW93, KCK+98, Lam97, Lan98a, LF96, Mai96, MC91, MWH98, MR83, Mue86, NS83, PM90a, PdF97, Pow86, Rv91, Rv93, She90, SCK95, SCK86, Tia96, TM97, WLPL95, WWF94, GP98, HK98, Has98, JF99, JMM99, Kam89, LM96, Liu98, LJ99, LJM96, Mur99, PL94, PMB99, PP94, SMCL96, WC99]. **Approaches** [KO95, KML94, RBCM91, VP92]. **appropriate** [Ozk97]. **approximate** [VL94]. **Approximation** [MR86]. **Approximations** [vD93]. **April** [BT97]. **Arabic** [AA98]. **Architectural** [Lea95]. **Architecture** [Amb87, DY99, HJ90b, IMM95, JO83, KP97a, RC89, TL96, PM94, SMS94, Vla98, Wei79]. **Architecture-driven** [DY99]. **Architectures** [AT97, CFK91, Gom95, Ulu95, RR98]. **Areas** [Gla92a]. **ARP** [SSK98]. **array** [MJ89]. **array-theoretic** [MJ89]. **Arrays** [RT86, Row86]. **Arrivals** [BFC92]. **Art** [FG94, Hat99, Sto92]. **article** [Ano87d]. **Artifact** [HMG96]. **artificial** [PP94]. **ARTS** [DF84]. **Asia** [Zuc90a, Rei90b]. **ASN.1** [LL99]. **Aspects** [Sah94, HL94b]. **Assembly** [BK85, SW88]. **Assertion** [YRN80]. **Assertions** [FAS94, JM90, MGJT87]. **Assess** [KK81]. **Assessing** [GC94, Vis99a, Liu98]. **Assessment** [Cav84, Gla94a, Gla96a, Gla97a, JM90, Pre95, VP92, Vis99b, Gla95c, Gla98b, Gla99a, Gla99b, Gla00, MR99, NL99]. **ASSET** [OBS79, Rei90a]. **Asset-R** [Rei90a]. **assignment** [VVS99]. **Assistance** [GK91b]. **assistant** [WT89]. **Assisted** [Bar92, GH83]. **Associative** [Hsi91a]. **assurance** [CW89, Iso98, NDM80, RST98]. **Assuring** [Hon90]. **Asynchronous** [FC96, FG93, Haé91, HMG96, KM92]. **ATM** [SSK98]. **ATNet** [BMSB94]. **Atomic** [WM96, Rom98]. **Attack** [DG87]. **Attitudes** [TKS95, JH99]. **Attribute** [Mot96]. **Attributes** [GR97]. **Audits** [Ber81]. **Australia** [CFSS98]. **authentication** [JC98]. **Author** [Ano80a, Ano81a, Ano84a, Ano85a, Ano86a, Ano87a, Ano88a, Ano89a, Ano89b, Ano90a, Ano91a, Ano92a, Ano93a, Ano94a, Ano95a, Ano96a, Ano97a]. **Authorization** [FM87]. **Automata** [SP94]. **Automated** [Arc81, Ber91, DF84, FAS94, Mer87, NS83, PBC93, Rec93, SKF95, SC88]. **Automatic** [AM85, DGM93, Gla90b, Hab85, DF98, Gla97i, JF99, Lai95, LL99]. **Automating** [SG89]. **Automation** [BMP97, HZ83, Gla95h]. **autonomous** [WM99]. **Autonomy** [Lue92]. **Availability** [Tsu85]. **Available** [LS97]. **Avionics** [Lam97]. **avoiding** [PV94]. **Axis** [Sah94].

B [WH99]. **Back** [Bux90, ZK85]. **Back-End** [ZK85]. **Background** [Sei89]. **Bad** [BAH96, Gla89h]. **Balancing** [HJ90a, HJ91, RCSD93, DLT99]. **BaLinda** [YFY96]. **Band** [RT86]. **bandwidth** [Ng99]. **Base** [GRS92, GSC91, MP90, RT93, Won93, HR95, HL94b, PL94, PM94, RC89, SW96, ZS88]. **Base-** [MP90]. **Based** [Art87, Bar86, Car96, DS92, DK94, Dye93, EL94, FM90a, FWD97, Fra90, HL93, HFK92, KH81, KB96, Ken84, KAL97, KN97, Lan98a, LL97b, Liu93, MG81, MW95, MSI90, MIH92, Mos84b, MP90, MP95, NM93, OG80, PBC93, PdF97, Pre95, RY93, Rv93, Ros87, RMC93, SGL93, Sam93, STJ83, She90, Tak97, TW95, YY93, ZX94, AH88, AH90, Amm89, BK95, Çam99, CJP98, CKyL98, Chr99, De 97, DB95, Dil91, Fic89, FPW96, Gie79, Gla95i, HHZ92, HL94b, HHL+97, JVP+98, KWME99, KSFT89, Kuo94, LL99, Moo98, MHSM99, Mos84a, NL99, Nec96, Pla95, PA99, PS90, PP94, Shu99, WSM+95, ZLZ+96]. **Bases**

[KZ91, Uck91, BF96, MP94, MA94, She89]. **Basic** [Boe83, GMP94, De 97]. **Basis** [Lea95, McF92, WM90, RG79, TFLW99]. **Battle** [RB93a]. **Be** [Gla91h, Mat86, Gla96h, ZCd96]. **become** [Gla89c]. **becoming** [Gla92c]. **beginning** [Gla98k]. **Behavior** [MD91, Nit96, Sak84, WSR+83, SC88, War89]. **Behavioral** [BW83, Mil96a, OHBR90]. **Behaviors** [FZHS95]. **Behaviour** [Nit98]. **Belbin** [HS99]. **believe** [FF89]. **Benchmark** [Haç89a, ÇZUB99]. **Bend** [Gla96f]. **benefits** [BB89]. **best** [Gla91b, Gla92d]. **Better** [Gla93i, Gla98d]. **Between** [Chr86, HD84, Lan90, Gla89i, Gla92g, HZ79]. **Beyond** [Gla95d]. **Bibliography** [Not85a]. **BIDDLE** [YY93]. **Binding** [Gan91, GJ88, ZS88]. **Biographies** [Ano81b, Ano81c, Ano84b, Ano85b, Ano87b, Ano87c, Ano88b, Ano88c, Ano89c, Ano89d, Ano89e, Ano89f, Ano90b, Ano90c, Ano92b, Ano92c, Ano94b, Ano94c, Ano95b, Ano95c, Ano95d, Ano95e, Ano95f, Ano95g, Ano96b, Ano96c, Ano96d, Ano96e, Ano96f, Ano96g, Ano96h, Ano96i, Ano96j, Ano96k, Ano96l, Ano97b, Ano97c, Ano97d, Ano97e, Ano97f, Ano97g, Ano97h, Ano97i, Ano97j, Ano97k, Ano98a, Ano98b, Ano98c]. **Biography** [Ano79, Ano80b, Ano80c]. **Blit** [Car83]. **Block** [HL83]. **blood** [Ken80]. **Blueprints** [SG91]. **BOOM** [RA96, Gla97d]. **Born** [CHB94]. **Boston** [Bra89]. **bounds** [PNK96]. **Box** [HZ84, WL99]. **Boy** [Gla90g]. **brainstorming** [Gla97h]. **Branch** [Ber93, BM96, BMP97]. **Break** [Spa92]. **Break-ins** [Spa92]. **Breakdown** [Tau80]. **brightest** [Gla91b]. **brilliant** [Gla89d]. **Broadcasts** [Ram90]. **Broadening** [McF92]. **Brooks** [Ano87d]. **BSD** [WLC95]. **Budget** [Leu92]. **Buffer** [DMV98, Hać91, CB89a]. **Buffered** [MF90]. **Build** [Pfl95]. **Building** [Bar92, HL94a, HO96, Hać92]. **builds** [FW90]. **Built** [Gla89f]. **Built-up** [Gla89f]. **bullet** [Ano87d]. **Bus** [GDF86, MBCD86]. **Business** [DLG96, HH97, TL96, WM90, DIP98, GV99, MHSM99]. **bust** [Gla97d]. **Buyer** [Hon90].

C [AP97, CDM98, CMP85, DJL93, FLN91, LH98, Lok96]. **Cache** [Hać91]. **Calibrating** [Gul91]. **Call** [Ano93b, Ano93c, Ano93d, Ano96m, ZM96, CV95, Gla95g]. **called** [Gla89d]. **Calls** [Ano92d]. **CAMS** [LJM96, SGL93]. **Can** [BB81, Gla91h, Mat86, Gla89c, Gla98d, Gla93a]. **Candidate** [BC94]. **Capabilities** [MR84, Zel96]. **capability** [GAW92]. **capacity** [VVS99]. **capture** [Iso98]. **capture-and-recapture** [Iso98]. **Cards** [Bri92, JT97]. **Cares** [Gla98j]. **Case** [AH90, BMP97, DGM93, EC98, Eli92, FWD97, Gla96j, Gor91, JVP+98, PW92, Rv92, Sed93, SW94b, SB88, Wic92, AH88, Bar94, BP80, DFCR96, HLAB99, KC98, Lin99, MT98, RR98, Sal80, SSvdW99, War89, WHMP99, APL95, Gla91a, IYKO95, IKCN91, PC98a, PKK98, RBM95, TM97]. **Case-Based** [FWD97]. **case-supported** [Bar94]. **cases** [NS92]. **casual** [RB99]. **Catastrophic** [DG92]. **categorization** [GKP98]. **Categorizing** [OW84]. **cause** [Gla96h]. **Caused** [BAH96, FAI97]. **Causes** [LP95]. **CD** [Lai97c]. **Centered** [FG94]. **centric** [LS99]. **century** [Gla99d]. **Cépage** [Mey88a]. **Certification** [WH97]. **Challenges** [JTW98]. **Change** [HR96, LS98, Cha95]. **CHANGE-POINTs** [Cha95]. **changes** [Ber98]. **changing** [CR89]. **Chaos** [MTW97]. **character** [AA98]. **Characteristics** [CM93, HBJ+99, TT98]. **Characters** [CW97]. **Charts** [BCD92]. **Chasm** [Gla91h]. **cheater** [HLC99]. **Checking** [Kun91a]. **Checkpointing** [YP94]. **Checksum** [Bro87]. **cheek** [Gla91g]. **Chinese** [CW97, Gla90g]. **choosing** [CTA94]. **Chorus** [Ban86]. **Christian** [CR89]. **chunk**

[Hsi91b]. **CICS** [FSA87, FF96]. **Circuit** [PH93]. **Circuit-Switched** [PH93]. **CIS** [Gil88]. **claims** [FF96, Gla96g]. **Clarifying** [Gla91c]. **clarity** [LJ99]. **Class** [CH94, MBCD86, MM93b, Rom99]. **Classes** [BBG86, Hać88, LH98]. **classical** [SSK98]. **Classification** [Esk89, Lak97, PS90, Tak97, Tri86a, JCJ99, Kam95, SH98, ZMAER99]. **Classifying** [WWC98]. **Classroom** [MC91]. **Cleaning** [CC99b, Gla98f]. **Client** [Gla97d, SMS94]. **client-server** [SMS94]. **Client/server** [Gla97d]. **close** [Gla95a]. **Closed** [MR86]. **Closely** [HJ90b]. **Closely-Coupled** [HJ90b]. **Closing** [CFSS98]. **Closure** [Fra86]. **Cluster** [Gla92f, Ano92g, Shu99]. **Clustered** [WWC97]. **Clustering** [BP91, MW95, RY93]. **CMM** [Chr99, RVM99]. **CMM-based** [Chr99]. **COBOL** [AP97, Ano87h, BB89, Gla97b]. **Cocktail** [Gla90b]. **COCOMO** [Gul91]. **Code** [AC97, AF96, BAEH96, CR90, Dol97, Kal92, Lak93, Lue92, OC90, BM98, CDM98, Gla97i]. **Cognitive** [AS96, Let87, SFM99, KC98, LJ99]. **coherent** [PM94]. **Cohesion** [Dha95]. **collaboration** [BHR89, GAWC91, GAW92]. **collaborations** [MBL+99]. **collected** [Mar81]. **Collecting** [OW84]. **Collection** [BBC+88, YNDS88, Yua90]. **Collective** [SM92b]. **Colored** [SBM94]. **Combinators** [SD94]. **Combining** [HK98]. **Coming** [Fis81]. **Commanders** [Sch81]. **Comments** [CA87a, DF98]. **Commit** [WM96]. **committee** [Gla96i]. **Common** [AJMP96, GDF86, MP90]. **Communicating** [GHC91, Jia99, Moy96, Lai99]. **Communication** [ASSA96, Gla91h, Jma96, LL98, MF90, MWH97, MWH98, YCGH92, KH97, Rog89, WWC98]. **Communications** [Mor86, JS99]. **Community** [AM94]. **Commutative** [Hsi91a]. **Company** [Sed93]. **Comparative** [GKP98, Gla92a, MRW+94, PT91, TOYI95, Wil89, GAK92, Kam95, PKK98]. **compared** [Lit80]. **Comparing** [MF90, Mos84b, Mos84a]. **Comparison** [Bla87, DHP86, FWD97, HJ90b, HG91, Moy96, Ver89, FWH97, MO84, TT98]. **Competencies** [TB95]. **Compilation** [Fri83, HL94a]. **Compiler** [Ros87]. **Compilers** [Mos84b, Mos84a]. **completeness** [RPL97]. **Complex** [Dam96, PdC94, PdF97, Sca88, Gie79, Lai97d, NC88, SW95a]. **Complexity** [AR90, BK85, CS85, DS92, Eva83, Gon95, HC87, HS95, HB89, HL98, KML94, Mac91, MTG92, MM92, MK90, MK93, Rey84, Tak97, TZ92, Zei88, CA88, MT98, Moo98]. **Component** [BDM+93, FPW96]. **component-based** [FPW96]. **Components** [BAEH96, DJL93, Eva97, TL96]. **Composite** [DGS88, HS95]. **composition** [SZ98]. **Compositional** [UH96]. **Comprehending** [Sca88]. **comprehensibility** [FRF98]. **Comprehension** [AS96, BBP96, Let87, RBCM91]. **Comprehensive** [Zvi93, KR98]. **Compression** [Cha91, CBK96, CW97]. **Computation** [KD91, MJ89]. **computational** [Vla98]. **Computations** [AQ90, BFR96, BP91, WWC98]. **Computed** [DS98]. **Computer** [Amm91, Bar92, BTT84, BLPB92, CZ91, CM92, DG87, DV94, DHP86, FM90b, FS91, FK92, GK91a, GK91b, Gla90g, Gla92a, Gla96c, Gla97e, Got92a, Got92b, Hay86, Kal92, KL90, KNT86, LIC92, Lue92, MC91, Mat86, MvS95, RA91, SL80, Sch81, Spa92, TLPH95, YN91, Zvi93, Fle95, FF89, Gie79, Gla89c, Gla96e, Har98, Mar81, Mey88a, ST89, Sny79, TVK94, TVK95, VB99, WSM+95]. **computer-aided** [Mey88a]. **Computer-Assisted** [Bar92]. **computer-based** [WSM+95]. **Computers**

[IMM95, OS87, SM92b, CC99b]. **Computing** [Eng81, FK92, Gla91h, KN97, Mor86, Pow86, Rv91, Rv92, Rv93, Sch97, ZR94, BS96, Gla95i, Mar81, SPK99, Shu99, TE99, TW98, TM98]. **Concept** [FS91, Gla89d, HLC99]. **Concepts** [CHB94, Sku91, TKS95, JNY84, SPK99, Rog94]. **Conceptual** [BF90, Del92, FM87, Kun95, RA91, Sak84, DB95, RB99, TFLW99]. **Concurrency** [wLyLlH97, RMC93, SW96, CKyL98, yLcY98, PMB99, WSM+95]. **Concurrent** [ASSA96, Ara95, KC96, KD91, Kus90, LVB+93, Ng93, SW93, She90, SBM94, Sta90, SP94, UH96, WH97, CLLC96, DY99, FW90, TS89]. **concurrently** [ST89]. **Conditionals** [HC86]. **Configuration** [Bro87, CZdV98, Rav81]. **Configurations** [ZX94]. **conformance** [NS92]. **Congestion** [Hać94, PV94]. **Connections** [Cho95, SSK98]. **Cons** [Gla90f]. **Conservation** [Leh80]. **Considerations** [RA91, Rog89, Won93, Car99, Gie79]. **Consistency** [CC99a, Kun91a, Liu95, VT99]. **Consortium** [DB86]. **Constraint** [Car96, UW95]. **Constraint-Based** [Car96]. **Constraint/Rule** [UW95]. **Constraints** [LH95, Pha94, UH96, WFZ96, ZR87, VT98, VT99]. **construct** [Jav88]. **Constructing** [Fer93, KH96]. **Construction** [OH94, vC80, MSHB98, RG79, SFM99]. **Contemporary** [Rey80, Gla95i]. **Contents** [AH81, Ano97m, Ano97n, Ano97o, Ano98f]. **Context** [AS96, HP90, HP92, SMS94, Tom89]. **Context-Free** [HP90, HP92]. **contextual** [NL99]. **Contingency** [Lan98a, NDM80]. **Contingent** [vS96]. **Continuing** [Bra89]. **continuous** [Tia99]. **contract** [NL99]. **contract-based** [NL99]. **Contribution** [KAL97, PV94, War89]. **Control** [ANB93, Bha84, CL94, CH83, CW90, FSA87, FZ93, Gla97c, Hać94, HB83, HUMT92, HU96, wLyLlH97, MO90, RUV92, San95, TM97, BG98, Çam99, CKyL98, Ken80, yLcY98, MA94, SW96]. **Controllable** [KMO91]. **controlled** [Vis99a]. **controlling** [Ebe99]. **Controversy** [Ano92e, Bab91, Blu89, Bri92, Ebe94, Gla91c, Har95a, Hei95, Pre90, Pul90, Qui94, RA91, Rei90b, SM92b, Tau92, Thi94, VPM93, Zuc90b, Zuc90a]. **Conversion** [Sny91, TE99]. **converters** [JS99]. **COOL** [Bra96]. **Cooperation** [HMG96]. **Cooperative** [NG91, SM92a, WM99]. **Coordinating** [Sch81]. **Coordination** [HMG96]. **copy** [HMC98]. **CORBA** [LFY+99]. **Corner** [Ano92e, Bab91, BS93, Blu89, Bol97a, Bri92, Gla89f, Gla90b, Gla90a, Gla90g, Gla90c, Gla90d, Gla90e, Gla90f, Gla90h, Gla91a, Gla91h, Gla91c, Gla91e, Gla92b, Gla92e, Gla92f, Gla92h, Gla93g, Gla93e, Gla93d, Gla95d, Gla96d, Gla96e, Gla96h, Gla96j, Gla97f, Gla97c, Gla98f, Gla98j, Got92a, Har95a, Har95b, Pul90, RA91, Rei90b, SM92b, Tau92, VPM93, Zuc90b, Zuc90a, ZWM96, Ano86b, Ano87d, Ano90d, Ano91c, Ano91b, Ano92f, Ano92g, Ano92h, Ano92i, Ano93e, Ano93f, Ano94e, Ano94d, Ano94f, Ano95h, Ber94, BS96, Fle95, Gla86, Gla88a, Gla88b, Gla88c, Gla89a, Gla89b, Gla89c, Gla89h, Gla89d, Gla89g, Gla89e, Gla91d, Gla91b, Gla91i, Gla91g, Gla91f, Gla92d, Gla92c, Gla92g, Gla93a, Gla93b, Gla93f, Gla93c, Gla93h, Gla94c, Gla94d, Gla94g, Gla94e, Gla94f, Gla94h, Gla94b, Gla94i, Gla95c, Gla95a]. **corner** [Gla95f, Gla95e, Gla95b, Gla95g, Gla96b, Gla96c, Gla96f, Gla96i, Gla96g, Gla96k, Gla97d, Gla97e, Gla97i, Gla97h, Gla97k, Gla97g, Gla97j, Gla98a, Gla98g, Gla98h, Gla98k, Gla98c, Gla98d, Got93, Gul92, Hoa94, HY94, yL98, Len95, Pau92, Pla95, Pre90, Sai98, SW95a, Thi94, ZS95, Gla95j, Gla98i, Qui94]. **Corporate** [NB93]. **Correct** [Eva95, Ree85]. **Correction** [DT90]. **Correctness** [Bri92, MM93b]. **Corrigendum** [Gla99b, Gla00, Li99]. **Cost**

[AH90, EHS93, Hag91, KT85, LP95, LM94, Leu92, MHSM99, OG80, WFZ96, vS83, BW80, VH89, Wey99, WM95]. **cost-effective** [Wey99]. **Costs** [AQ90]. **Coteries** [Nei97]. **Could** [OT92]. **Counting** [BK92, Gla99d]. **couple** [Ano94e, Gla94c]. **Coupled** [FG93, HJ90b]. **Coupler** [Cla86]. **Coupling** [Dha95, Loh84, OHK93, RY93]. **Couriers** [Bri92]. **Course** [BHR89, MC91, TE99]. **Courses** [CFSS98, MR99]. **Coverage** [FLN91]. **Cray** [CM86]. **Creating** [AC97]. **creativity** [Ano94e, Gla94c, Gla96c]. **crisis** [Gla96h, Gla97h, Gla98k]. **Criteria** [FN86, Ham81, OG80, SKF95, SKS96]. **Criterion** [Pas96]. **Critical** [DB86, GC94, JM96, LSD95, LvSL81, Ost92, Ozk97, SBB98]. **criticism** [Iso98]. **Critique** [Lit90, SI94, BM89, Gla95i]. **Cryptographic** [LL97b]. **Cryptologic** [Sny79]. **CSMA** [Lai97c]. **CSMA/CD** [Lai97c]. **Current** [ZS95, JH99, Ano95h]. **Curriculum** [Jef91, CR89, LS99]. **Curve** [BB81]. **Customer** [HHSR94, SBA97, FSA87]. **Cycle** [AJMP96, Bas80, FF95, HZ83, Leh80, RUV92, TD80, Dav88, Gla94d, Got93, OBS79, Tia99].

Damage [JM90]. **Dangerous** [Gla86]. **Dass** [DR84]. **Data** [AH81, Bel91, BBC+88, Bla87, Cha91, CW97, DR84, Dam96, FZ93, GRS92, GSC91, JO83, KZ91, Ken84, KSW93, LHC96, Las90, Liu93, Mar84, MG81, MP90, Mot96, MK93, Myr90, OW84, PM90a, RT93, SG91, SW95b, SB88, TL96, TC93, Tan96, TK91, Uck91, UW95, Vel87, VP92, WSN92, WH91a, Won93, YRN80, YY93, YNDS88, vS83, BF96, De 98, HR95, HL94b, JF99, Jen99, Kuo94, LHC95, MP94, MA94, OL99, Ozk97, PL94, PM94, RC89, SW96, She89, Wei79, ZS88]. **Data-Driven** [YY93]. **Data-Intensive** [TL96]. **Data/Knowledge** [Mot96]. **Database** [Bar86, BW96, Bha84, BM83, Fri90, FM87, HB83, Mar84, NY84, NS87, PL83, SW94a, UH86, Ulu95, Ulu97, WM96, ÇZUB99, DMV98, DFCR96, GP98, HMP99, HY95, yLcY98, RB99, SBB98, TL99, Ulu98]. **Database-Oriented** [NY84]. **Databases** [KW93, wLyLlH97, SW95b, SKS96, BG98, CKyL98, JNY84, KR98, yL98, VT98, VT99]. **Dataflow** [BS86, KD91, Hsi91b, TL89]. **DATALOG** [Hsi91b]. **date** [Gla97h, Gla98k]. **DBMS** [Gor91]. **Ddbms** [DGS88]. **Ddbx** [FG93]. **Ddbx-LPP** [FG93]. **Deadlock** [Coo90]. **death** [Gil88]. **Debate** [Rei90b, Zuc90b, Zuc90a]. **Debugger** [Car83, ZENA93]. **Debugging** [BW83, BH83, FG93, Fri83, FAS94, GH83, HO96, PL83, STJ83, SKF95, OCCN89]. **Decentralized** [HJ91, Ken80]. **Decision** [DLS94, Mos84b, CTZ92, Mos84a, Pre90]. **Decision-Based** [Mos84b, Mos84a]. **Declarative** [FAS94, Kom88]. **Decomposition** [LL98, MPS86, Moy96, Mue86, Raj94, Kor99a]. **Decomposition/generalization** [Raj94]. **Deductive** [LL97a, Uck91]. **Deeply** [HC86]. **Defect** [KSH92, TT98]. **Defects** [Cai98, CW90, Eva97]. **defense** [Ano93f, Gla93b]. **Defining** [MV93]. **Definition** [HB89, JP94, Ros87, TK91]. **Definition-Based** [Ros87]. **Definitions** [Sku91]. **degrees** [Gla97e]. **Deletion** [Hab85]. **Deliberations** [CB91, Kun91b]. **Delivery** [Emd91]. **Demand** [HH87]. **Denelcor** [Hay86]. **Densities** [KSH92]. **depend** [VC97]. **Dependability** [CG94, Pow86]. **Dependence** [HOT97, HUMT92]. **Dependencies** [HB83]. **Dependency** [HR96, WH91b]. **Dependent** [KO95, Car99]. **Deployment** [ES97]. **Derivatives** [Sta90]. **Derive** [AQ90]. **Derived** [LV97]. **Deriving** [FM90a, Kuo94]. **Describing** [She89]. **Description** [MR84, Ayr98]. **Descriptions** [BYY87, Mar84, Mil96a]. **descriptive** [PL99]. **Design**

[AH81, Amm91, BW96, BCD92, BYY87, Blu93, BM83, CL94, CH94, CDJ+84, DG92, EHS93, Fic89, FK92, Gla90d, Gom89, Gom94, GRS92, GA95, Hać91, HG91, How80, Hur93, Joy87, KC96, Ken84, KW91, KW93, LZL97, LG97, Loh84, MM81, MJ89, Moh81, MB84, OC90, PW87, PdC94, Pha94, Row86, RT93, SGL93, Sak84, TOYI95, Tsu85, UW95, Var91, WNSC96, Whe81, WSR+83, Won93, WFZ96, ZK85, ZCd96, Zho93, ZX94, CA88, CLLC96, CDDF99, Dav99, Dav95, DLT99, ES97, GJ88, Gla94g, HZ79, HLAB99, HR95, HHL+97, Jef92, JS90, Kam89, KB98, KY92, KSFT89, MM93b, Mey88a, MR99, Nav92, Ost92, Phi98, PK89, Rey89, SFM99, TL99, UhCLS94, WCV+98, ZLZ+96]. **Designing** [BL95, Car92, NC88, San95, VPM93, HLC99, MM93b]. **Designs** [AC97, TZ81, WSN92, OSG98, RPL97]. **Details** [Hen88]. **Detect** [BAH96]. **Detecting** [Tri86b]. **Detection** [BFR96, Gla93i, Goe80, JM90, KL95, LHC96, Wha90, LJM96, MC98, WHMP99]. **Determining** [NDM80]. **Develop** [Amm91, PD98, TC93, SMCL96]. **developer** [Lin99]. **Developers** [Por93, LS98]. **Developing** [DK94, HH97, Kal92, MTON94, TM97]. **Development** [ANB93, BBØ96, CB89b, Coo81, Di 87, DS85, FWP93, Gas96, GK91b, GR97, HZ84, HL90, HHSR94, HS95, HH87, Jef87, Jos83, Joy94, KS96, KT85, Lan98a, LP95, Lee93, MM93a, MB84, NG91, Pan81, Phi81, Pla92, PL96, PZ94, PU84a, Ros87, Sah94, Sei89, SM92a, Sta83, SB93, Sub93, TC89a, TKS95, TDB97, TT93, WKM94, Zim84, vS96, vS83, vC80, Bar94, Dav88, FPW96, FAI97, Gla98d, Got93, HHB+99, HBJ+99, tLF89, MA89, NL99, PU84b, Sal80, TC89b, Tha80, Wei79, Zel88]. **Diagnosis** [RB93a, Hat99]. **diagram** [Kuo94, LJ99]. **Diagrams** [BTT84, DS85, JN84, TK91, WSN92]. **Dictionaries** [Cha91]. **Dictionary** [Mar84, Owo96, RF84]. **Differences** [OS87, EL88]. **Different** [SKS96, MBL+99]. **Differential** [Rod86]. **Difficulties** [Jef96]. **Difficulty** [Sch97]. **diffusion** [BM89]. **digital** [Sny79]. **Dimensional** [MPS86, ZMAER99]. **Dimensionality** [SB93]. **Dimensions** [LO92]. **Directed** [BDM+93, Kor83, PU84a, RG79, PU84b, vEHvV89]. **directions** [FN99, Sai98]. **Directory** [LS97]. **dirty** [Gla94d]. **Disabbreviation** [LTHR97]. **disaster** [Gil88]. **Discipline** [Gla94c, Ano94e, Gla94d]. **disciplines** [GAK92]. **discontinuities** [Jav88]. **Discrete** [Cla86, MS97]. **discussion** [SW88]. **Disk** [Hać91, TC93, CB89a]. **Disk-Buffer-Cache** [Hać91]. **disks** [CLLC96]. **displacement** [WJ99]. **Displaying** [MS97]. **Distance** [Blu89]. **Distributed** [Ara95, BFR96, Bar86, BW96, BW83, Bha84, BP91, BW95, BM83, Car96, DS94, FG93, Gas96, Gom89, Hać86a, Hać86b, Haç89a, Hać89b, HJ90a, HJS91, Hać93, HL94a, Hać94, HW94, HMG96, Hsi91a, HFK92, IMM95, KN97, LM94, LK93, Mor86, NG91, Nit96, PM90a, PD98, Pow86, Rah92, RW97, RT93, SAASA94, Sch97, Sho91, SF92, TW95, Tsu85, Ulu95, Ulu97, Ura90, WTS95, WM96, YP94, ZENA93, Zho93, Zho94, ZR94, BdADH94, BS96, CZdV98, CDS99, Car94, CL99, DLT99, DFCR96, HMC98, ISS98, JM96, Jia99, KHL+99, MC98, PM99, RC89, Rot89, SPK99, SMU98, SBB98, TW98, TM98, Ulu98, WM99, ZZ88, ZLZ+96]. **Distribution** [BB81, Dye93, SL80]. **Distribution-Based** [Dye93]. **Distributive** [Ver89]. **disturbing** [Gla94h]. **diversity** [Rom99]. **division** [WC99]. **Do** [Ano87f, FN85, Hen88, OT92, FF89, Gla93h, Gla98h, LS98]. **Document** [BCD92]. **Documentation** [Emd91, SG91, Sch81, CSKB+89, Gla93a]. **Documenting** [BAEH96]. **DoD** [Rav81, SG91, Wal91]. **DoD-STD-2167A**

[Wal91]. **Does** [VC97]. **doing** [Gla88c, Gla98d]. **Domain** [Gla92f, Jar93, KO95, Lam97, Pas96, Pou95, TM97, Ano92g, GW95, JF99, Jen99]. **Domain-Dependent** [KO95]. **Domain-Independent** [KO95]. **Domain-Specific** [Lam97, Pou95, GW95]. **Domains** [GV92, MO84]. **dominance** [CV95]. **Domino** [DB95]. **Done** [Gla91h]. **doubtful** [Gla96g]. **Down** [MM81]. **DPDP** [ZENA93]. **dramatic** [Gla96d]. **Drat** [LDN87]. **DRDB** [SBB98]. **Driven** [Har81, Jar93, Por93, YY93, DY99, Phi98, Rey89]. **During** [KSH92, FAI97, Lut96, SFM99, Zel88]. **dying** [Gla97b]. **Dynamic** [BFR96, FG93, Gan91, HJ90a, HJ91, KL90, Leu97, OSG98, SF92, YRN80, EOM95, GJ88, vdBK94]. **Dynamically** [FS91]. **Dynamics** [AH93, PL99, PMB99, WC99].

Early [KL95, Lok96, Dav88]. **Eastman** [Sed93]. **easy** [Dav95]. **Economics** [Blu93]. **Edge** [Zuc90b]. **Edges** [Ber93]. **EDICT** [BLPB92]. **Editor** [Fai85b, Gla97e, Gla98i, Ree85, SM83, vEHvV89, Ano83, Ano86c, Ano86b, Ano87d, Ano90d, Ano91c, Ano91b, Ano92f, Ano92g, Ano93e, Ano93f, Ano93g, Ano94e, Ano94d, Ano94g, Ber94, BS93, Bol97a, Fai83a, Fai83b, Fai83c, Fai84, Gla86, Gla88a, Gla88b, Gla88c, Gla89a, Gla89b, Gla89c, Gla89h, Gla89d, Gla89g, Gla89f, Gla89e, Gla90b, Gla90a, Gla90g, Gla90c, Gla90d, Gla90e, Gla90f, Gla90h, Gla91a, Gla91h, Gla91c, Gla91d, Gla91b, Gla91e, Gla91i, Gla91g, Gla91f, Gla92d, Gla92c, Gla92b, Gla92e, Gla92f, Gla92g, Gla92h, Gla93a, Gla93b, Gla93f, Gla93g, Gla93c, Gla93e, Gla93d, Gla93h, Gla94c, Gla94d, Gla94g, Gla94e, Gla94f, Gla94h, Gla94b, Gla94i, Gla95c, Gla95d, Gla95a, Gla95f, Gla95e, Gla95b, Gla96b, Gla96c, Gla96d, Gla96e, Gla96f, Gla96i, Gla96g, Gla96h, Gla96j, Gla96k, Gla97d, Gla97f, Gla97c, Gla97i]. **Editor** [Gla97h, Gla97k, Gla97g, Gla97j, Gla98f, Gla98g, Gla98h, Gla98j, Gla98k, Gla98c, Gla98d, Got92a, Got93, Har90b, Har93, Har94, Har95b, Hoa94, yL98, Pla95, Rad84, Rid81, Sai98]. **Editorial** [Ano98d, Ano98e, Ano99a, Ano99b, Ano99c, Ano99d, Ano99e, Ano99f, Ano99g, Ano99h, Ano99i, Ano99j, Ano99k, Ano99l, Gla98c, Gla98d, Gla98e]. **Editors** [BDM+93, Ano94f, Ano95h, BS96, CU98, HY94, MS79a, MS79b, OP92, SM80, SM81a, SM81b, SM81c, SM81d, SW95a, ZS95, ZWM96]. **EDS** [Won93]. **EDT** [Lai97a]. **Educate** [Gla91e]. **Education** [BLPB92, CFSS98, Mat86, Rus90, Bra89, CP88, CR89, HHB+99, Sai99, WR99]. **Educational** [KCK+98, JS90]. **Educator** [Joy94]. **Educators** [Gla91e]. **Effect** [FAI94, GR97, Loh84, SW88]. **Effective** [Fen93, Shu99, Tre81, SZ98, Wey99]. **Effectiveness** [ARAS94, Emd91, FZ93, GC94, SYB97, CW89, FF96, FWH97, HS99, WHMP99]. **Effects** [DG80, OCCN89, Sch97, Gla99c]. **efficacy** [HBJ+99]. **Efficiency** [vS83]. **Efficient** [Bel93, BDM+93, Fra86, Har81, KH97, Owo96, Ram90, SAASA94, SD94, TW95, KA96, WK88]. **Effort** [Dol97, DG80, Eva95, FWD97, JB91, Lee93, NQ98, SB93, SB95, WSD81, MT98]. **Efforts** [HH97]. **Eiffel** [Mey88b]. **either** [Gla95g]. **Electronic** [JT97]. **elements** [SFM99]. **Elicitation** [Lan98a]. **Elliptical** [MPS86]. **Else** [Lak93]. **Embedded** [War89, Whe81, De 98, Mar81]. **Embedding** [PdC94]. **Emphasis** [Lit90]. **Emphasizing** [CH94]. **Empirical** [AS96, BGB90, BBP96, Emd91, Pas96, Por93, Sta93b, Sub93, SB95, SYB97, BB89, HS99, HBJ+99, Rob98, Sol87, WM95, WDMR99]. **Employing** [MF90]. **Emulation** [YY93]. **Encapsulation** [Joy87]. **ENCOMPASS** [TC89a]. **encryption** [HY95]. **End** [ZK85, Gla99d]. **end-of-century** [Gla99d].

Enforcement [HB83]. **enforcers** [Ano87f]. **engine** [LS92]. **Engineer** [Bab91, Pla92]. **Engineering** [AJMP96, ACCD91, BF81, BCD92, Boe83, BW93, BHR89, Bux90, CB89b, Chr91, CL95, CDJ+84, DR92, EHS93, Fen93, FG94, GHC91, Gla92a, Gla96a, Gla97a, Got90, Ham81, HD84, Jac98, Jef91, Jef96, KSS84, KL96, KL91, Lan90, LL85, Mai96, MA89, MR80, Mey88b, Mil89, O'N83, Rey80, Sag95, Sed93, Sne83, Sta93a, TR89, VM89, Zel96, ZC97, Ano96m, BM89, Ber95, BS96, Bra89, CR89, CU98, DS98, Eri92, Fug99, Gla89c, Gla94a, Gla95c, Gla96b, Gla98b, Gla99a, Gla99b, Gla00, Har88a, HHB+99, JTW98, Pfl99, PC98b, Qui94, Rad84, Sai99, Tom89, TFLW99, VB99, WCV+98, WR99, LAHS97]. **Engineers** [MP89, TB95]. **English** [CW97, GI95, Gla93a]. **Enhanced** [CL97, WSM+95]. **Enhancing** [LTHR97, HY95, LHC95]. **Enough** [Gla97f]. **Ensuring** [HHSR94]. **enterprise** [Chu97]. **Entity** [BTT84, CH94, JN84, MR84, Sak84, San95, CPW98, JNY84, Kuo94]. **Entity-Life** [San95]. **Entity-Relationship** [JN84, MR84, Sak84, JNY84, Kuo94]. **Entity/Class** [CH94]. **Entropy** [Moh81]. **Enumeration** [Ni97]. **Environment** [AM85, BFG97, Blu86, Chr91, DS85, Fri83, Har88b, HL90, HS95, IKCN91, JL97, KZ91, Kom88, Kus90, KCK+98, Law81, Mey88b, MMSH92, Ng93, OW84, Par86, TC89a, TDB97, TT93, UH86, WNSC96, WM90, Zel96, CDM98, CC99a, DB95, HHZ92, TL89]. **Environments** [ACCD91, BL95, FG94, GHC91, Jef87, KSS84, KW91, MMSH92, PT91, Sch97, ZC97, FPW96, Ni97]. **Equate** [Zei88]. **Equations** [Rod86]. **Er-Data** [Mar84]. **Ergodic** [FN86]. **Erlang** [Lai97b]. **Error** [BDM+93, Dye87, Gla93i, Goe80, JM90, MM93c, OW84, Sel93, TVK95, Wei79]. **Errors** [DG92, HP92, TDB97, Gla89g, Lut96, OCCN89, SW88]. **escape** [Gla95a]. **escrow** [Nec96]. **ESPRIT** [WBR90]. **Essential** [Jef96]. **Establishing** [ANB93]. **Estelle** [HHL+97, HL98, JL97, Lai97b, Lai97a, LL99]. **Estelle-based** [HHL+97]. **Estimate** [SB95]. **Estimates** [LP95]. **Estimating** [Cai98, HH97, Ozk97]. **Estimation** [AH90, BB81, BF81, Cav84, FS88, FWD97, Gla93e, JB91, KT85, MT98, MTON94, SB93, vS83, HTO97, MHSM99, NQ98]. **Estimators** [HP90]. **Ethical** [Car99, Kal92, McF92, Spa92]. **Ethics** [BLPB92, CM92, Got92a, Got92b, LIC92, Lue92, SM92b, Got90]. **European** [AM94]. **Evaluate** [ARAS94, BP86]. **Evaluating** [CW89, FF96, LV97, MM92, MG81, Pan81, PS90, Wei79]. **Evaluation** [Bha84, Bol97b, CFK91, CG94, CZ91, CR85, DV94, Esk89, FLN91, Haç89a, HO97, Ham81, HLAB99, Het95, Hsi91a, IYKO95, Loh84, MPS86, Mil96b, Moh81, Pow86, Rey80, Rv93, SYB97, TLPH95, Ulu97, WNSC96, WH97, Wey99, Ano96m, CTZ92, CSKB+89, HTO97, HRS95, KJB97, Kor99b, KKiMT96, MD89, PKK98, Rid81, Ano84c, Goe84]. **evaluative** [SC99]. **EVEN** [JL97]. **Event** [Chr86, LVB+93, Sch91, BG98, Phi98]. **event-driven** [Phi98]. **Events** [KD91, KM89]. **Evidence** [Bro81]. **Evolution** [ES85, Leh80, NS87, Wic92, RR98, Sto92, Woo80, Har97]. **Evolutionary** [PL92, Poo93]. **Evolving** [Bas97, Lea95, Har99]. **Examination** [Sub93, LvSL81]. **Examining** [Gla99c]. **Example** [PU84a, She94, Gla94h, HB89, PU84b]. **Example-Directed** [PU84a, PU84b]. **Examples** [Eli92]. **Exceptional** [TB95]. **Exchange** [Tre81, Gla95g]. **Exclusion** [DHP86, MS90, TW95, WTS95, JM96]. **Exclusions** [DS94]. **Executable** [GMM90, JM90, Kun95, MGJT87, TKU93, TC89b]. **Execution** [AM85, Dil91, JO83, LK93, Rec93, TT93].

Execution-based [Dil91]. **existence** [Gla96h]. **Existing** [LTT92, His98]. **Experience** [Amb87, Arc81, Blu86, Joy94, Lai97a, LZL97, Sca99, Sei89, OCCN89]. **experienced** [LS98]. **Experiences** [HBCC94, Hay86, Iso95, Lak93, MMSH92, Rei87, WRW93, SSK98, TE99, VM89]. **Experiment** [BC91, MD81]. **Experimental** [CSKB+89, FLN91, KKiMT96, Loh84, Mil96b, Moy96, NY84, TLPH95, WNSC96, FWH97, LJ99]. **Experimentation** [Mac91]. **experimented** [Vis99b]. **experiments** [Fle95, KSFT89, Vis99a]. **Expert** [Col92, Eli92, Gla98g, Ker92, LO92, MMSH92, OT92, Pla92, Pop92, SM92a, SYB97, Wic92, KJ99]. **Explanation** [Wic92]. **Exploiting** [Vla98]. **Exploration** [Dam96, SFM99]. **exponentiation** [LC98]. **Expressing** [Lak97, RB99]. **Expressions** [Bra96, BH83, Hee90]. **Extended** [Bra96]. **Extending** [MM92, ST89]. **Extensions** [CH83]. **External** [Arc81, Ver89, WLC95]. **Extraction** [AB90].

Facilitate [KK81]. **Facility** [Sho91, DG98, Wei79]. **Fact** [Gla95h, Ken84]. **Fact-Based** [Ken84]. **Factor** [CR90, MTG92]. **Factors** [DLT99, DG80, FWP93, KMO91, LL85, SYB97, MB97, RS98]. **Fail** [Par98]. **Failed** [Ker92, Gla93f]. **Failure** [Gla98g, She94, SM92a, Gla96d, Gla98c, Hat99, Lin99]. **Failures** [ASSA96, FN99, Lip79]. **faking** [Gla94g]. **Families** [Gom95, SD94]. **Family** [Zvi93]. **Fan** [RT86]. **Fan-Out** [RT86]. **Fast** [BS86, Kor99a, ZR94, vD93]. **Fault** [Ban86, BW95, CL94, CG94, DG92, Fri90, FAI94, HOT97, KN97, KP93, LH83, MS90, Mor86, Mue86, OK94, PdC94, Ram90, SAASA94, STJ83, She95, WTS95, WWF94, WFZ96, ZG97, ZX94, FAI97, JM96, LFY+99, LM96, SMCL96, Shu99, WHMP99, Hoa94]. **Fault-Tolerance** [Ban86, KP93, ZX94]. **Fault-Tolerant** [BW95, CG94, DG92, MS90, Mor86, OK94, PdC94, Ram90, WTS95, WFZ96, ZG97, JM96, SMCL96]. **Faults** [CMP85, Eva95, VPM93, TVK95]. **FEAST** [WL99]. **FEAST/1** [WL99]. **feature** [GJ88, LJM96, TFLW99]. **FedEx** [WC99]. **Feedback** [AHGS92, Por93, Hat99, LR99]. **fewer** [Gla97e]. **Field** [Gla97m, Gla97g, Vis99b]. **Fifo** [MR86]. **Fifth** [Ano84c, Goe84]. **File** [CM93, FC96, Hać86a, Hać86b, Haç89a, Hać89b, HJS91, HJ91, MIH92, CB89a, SMU98]. **File-Usage** [CM93]. **Files** [HL94a, CLLC96]. **filter** [CLL99]. **Finally** [Gla92b]. **Finder** [AB90]. **Finding** [CH94, MS97, TS89]. **findings** [Gla98i]. **Finite** [Har81, SP94, TS89]. **finite-state** [TS89]. **Firms** [RZ94]. **First** [RA96, vC80]. **fit** [DS98, Gla96f]. **Fits** [Gla92b]. **Five** [PT91]. **Fixed** [PNK96]. **Fixed-priority** [PNK96]. **flash** [CC99b]. **Flavors** [Gla93g]. **Flexible** [NG91, PW92]. **Flow** [FZ93, HUMT92, JO83, Las90, Liu93, MM93c, PBC93, TK91, WSN92, Çam99, Jen99, Kuo94, DS85]. **Flowcharts** [Sca88]. **flowgraphs** [RG79]. **Fly** [DV94, Mil98]. **Fly-by-Wire** [DV94]. **FMS** [DY99]. **Follow** [Sed93]. **Follow-up** [Sed93]. **Foreword** [FM90b, Har90a]. **Form** [MBCD86]. **Formal** [Arm98, Art87, Coo90, Dye87, EC98, Fur93, GK91b, Gla91c, Gla93d, Gla95d, Gla96d, GV99, Jac98, JTW98, KL91, L'E87, Liu93, LSD95, MGH97, MG81, MP95, Nit98, Ost92, Par98, TK91, TZ92, VP92, CLSC98, Gla94e, JMM99, LF98, MSHB98, Sai98]. **Formalism** [Kun95]. **Formally** [BG96, Rec93]. **format** [SW99]. **formats** [CSKB+89]. **Formatting** [Fis91, L'E87]. **Forms** [GK91b, SKS96]. **formulae** [vEHvV89]. **formulation** [CJP98]. **FORTRAN** [AC97, Rey80]. **Found** [KSH92]. **Foundation** [NS87]. **Foundational** [ANB93]. **foundations** [Mat96]. **Four** [Blu86]. **Fourth** [Joy94, RA96]. **Fourth-Generation** [Joy94]. **FP** [BK92]. **FP-S** [BK92]. **FP2** [Bel93].

fragmentation [DFCR96]. **Frame** [HFK92, SGL93]. **Frame-Based** [HFK92, SGL93]. **Framework** [ANB93, BFR96, Bhi90, BC94, BF90, EL94, HR96, Lak97, MWH97, MV93, Mos84b, MP90, NG91, NC96, PM90b, Pre95, Rah92, SW93, Sam93, BM89, CJP98, DB95, GJP96, Mos84a, PA99, SC99, SC88]. **fraud** [Gla95h]. **Fred** [Ano87d]. **Free** [HP90, HP92]. **French** [FM90b]. **FRSM** [Liu95]. **FTAM** [LL99]. **Full** [Gla88b, RUV92, Got93]. **Function** [AR94, BK92, Dol97, ES97, FWD97, Rei90a, TC93]. **Functional** [BM93a, Dye93, HZ83, How80, KP97a, Mil96b, Moy96, Nel81, SAA93, De 98, LF91]. **Functional-Decomposition** [Moy96]. **Functionality** [Moy96]. **Functionally** [Amb87]. **Functions** [FS88, Hsi91a, KA96]. **Fundamental** [EL88, Gla95j]. **Further** [CA89, VVS99]. **Fusion** [SW95b]. **Future** [Ano87e].

G [PdF97]. **G-Nets** [PdF97]. **Game** [MTW97]. **Gandalf** [AM85, ES85, Not85a, Not85b]. **Gap** [CFSS98]. **Garbage** [Yua90]. **Gateway** [Bar86]. **gateways** [HMP99]. **General** [BFC92, Sei89, Yua90]. **General-Purpose** [Yua90]. **generalization** [Raj94]. **Generalized** [Bhi90, BH83, CT97, KP97b, vD93, WHL89]. **Generating** [BDM+93, OL99, PS90, JMM99]. **Generation** [APL95, AM85, Bel91, BCFG86, FAI94, Joy94, RA96, CLSC98, FAI97, Gla97i, JF99]. **Generator** [AF96, MM93a, NY84, YCGH92, KP97a]. **Generators** [AF96]. **Generic** [MM93a]. **gets** [Gla98f]. **Given** [Leu92]. **Glass** [Gla88b]. **global** [LR99]. **Glotos** [Son93]. **go** [FF96]. **goal** [Gla96i, PL99]. **goal-oriented** [PL99]. **Goals** [Pfl95]. **gold** [Gla93f]. **Good** [Gla97f, BB89]. **Gorbachev** [Ano90d, Gla90c]. **GOTO** [BGB90]. **GQM** [MB97]. **Graduate** [TR89, Bra89, TE99]. **Graduate-Level** [TR89]. **Grammar** [Ara95]. **Grammars** [HP90]. **Graph** [Ara95, Chr86, Fra86, HOT97, PBC93, PM99]. **Graph-Based** [PBC93]. **Graphical** [Arm98, DK97, HG91, LG97, Sny91, MD89]. **Graphics** [MC91, ZS88]. **Graphs** [Del92, HUMT92, HL94b]. **GRASPIN** [Chr91, GHC91, GSC91, IKCN91, Krä91a]. **greatness** [Gla95a]. **GreatSPN** [Lai97c]. **Gross** [LJM96]. **Group** [ARAS94, HR95, Sch81, Jia99]. **Growth** [DLG96, Tau92]. **Guest** [Ano93g, Ano94f, Ano94g, Ano95h, Ber94, BS96, Bol97a, CU98, Got93, Har90b, Har93, Har94, Har95b, Hoa94, HY94, yL98, OP92, Pla95, Rad84, Rid81, Sai98, SW95a, ZS95, ZWM96]. **Guidance** [HHB+99]. **Guidebook** [NB93]. **Guidelines** [CTA94, Joy87, MMSH92, Phi98]. **Gulezian** [BT97].

Hacker [Spa92]. **Half** [RB93a]. **Handling** [BT97, Gul96, UH86]. **happened** [Gla96k, Gla97k]. **Hard** [Ham81, Kor99b, ZLZ+96]. **Hard-To-Use** [Ham81]. **Hardware** [GH83, Mos84b, WWF94, Mos84a, Nav92, Ozk97]. **HaRTS** [ZLZ+96]. **Hashing** [TC93, TL95]. **Having** [KL95]. **HDLC** [Cla86]. **Hdm** [MD81]. **head** [GAK92]. **head-of-the-line** [GAK92]. **header** [Çam99]. **header-population** [Çam99]. **Heap** [BKS85]. **heighten** [MBL+99]. **Help** [BB81, Ano87f, Gla95g]. **HEP** [Hay86]. **here** [FF96]. **Hermod** [OHBR90]. **Heterogeneous** [BL95, KZ91, PD98, RR98, TW98]. **Heuristic** [Bow84, ZR87]. **Heuristics** [Fer93, Gla91c, CZdV98]. **HIBOL** [WM90]. **HIBOL-2** [WM90]. **Hide** [VPM93]. **Hiding** [Hen88, RC94]. **Hierarchical** [Bla87, Cha91, Hać93, LF96, Pow86, CZdV98]. **Hierarchies** [MM81]. **Hierarchy** [FWP93, Lee93, TL89].

High [AA98, Amm91, BW83, BH83, BM93b, GH83, KL95, KP97b, KP91, MMSH92, PU84b, PU84a, She90, GJ88, GKP98, LP93, Nav92, TCMJ98]. **high-integrity** [TCMJ98]. **High-Level** [BW83, BH83, GH83, KP97b, KP91, MMSH92, PU84a, She90, PU84b, GJ88, GKP98, LP93, Nav92]. **High-Performance** [BM93b, AA98]. **higher** [RVM99]. **Highly** [LS97]. **Historical** [AH90]. **History** [FJ98, GV92, Gla97m, Ayr98, Sal80]. **Homogeneous** [BBG86]. **honored** [Gla97g]. **HOS** [LF96]. **Hospital** [KZ91]. **hould** [Ano87e]. **House** [RB93b]. **Human** [FK92, Har98, Jef91, LL85]. **Hybrid** [Fra90, GK91b, Gor91, GW95, WFZ96]. **hype** [Gla96b]. **Hypercube** [Fri90, KP93].

I/O [MD91]. **IBIS** [KSW93]. **IC** [JT97]. **Id** [RF84]. **idea** [Gla95e]. **Identification** [Joy87, BM98, HLC99]. **Identifying** [CDDF99]. **If** [OT92]. **ignorance** [Ber95]. **II** [Gla94f, Dol97]. **imagery** [LJM96]. **Imbedded** [MR86]. **immense** [GP98]. **Impact** [CS85, Hur93, LR99]. **Impacts** [Sta93a]. **Imperative** [BBC+88]. **Implementation** [AHG93, BW96, Bel93, BKS85, Eng81, Har81, Ker92, KP91, MMSH92, RT93, SL96, WLC95, Zho93, CPW98, GJ88, Lai95, LL99, TVK95]. **Implementations** [Car96, YFY96, JCJ99]. **Implemented** [BW93, ZCd96]. **Implementing** [Blu86, FSA87, LS97, MA94, Poo93]. **Implications** [FK92]. **Importance** [Gla92e, Gla92f, Ano92f, Ano92g, Ber95]. **Imprecise** [CZ91, PZ94]. **Improve** [DB86, FC96, HS99]. **Improved** [HL83, Bak88]. **Improvement** [Bol97b, CBK96, CP97, DLS94, HBCC94, TTP97, Chr99, Ebe99, Gla88c, HRS95, MB97, SC99, Tia99, VVS99]. **Improving** [Mil96b, Pul90, SMU98, Pfl99, Wey99]. **Inaccurate** [LP95]. **Incentives** [Pou95]. **Include** [MvS95]. **incorporating** [XHW99]. **Increasing** [YN91]. **Incremental** [Fis91, FW90, Fri83, Hee90, KK85, TC89a, vAW93, HHL+97, TC89b]. **Independent** [KO95, PT91]. **Index** [DGS88, Ano80a, Ano80d, Ano81a, Ano81d, Ano84a, Ano84d, Ano85a, Ano85c, Ano86a, Ano86e, Ano87a, Ano87g, Ano88a, Ano88e, Ano89a, Ano89b, Ano89g, Ano89h, Ano90a, Ano90e, Ano91a, Ano91d, Ano92a, Ano92j, Ano93a, Ano93h, Ano94a, Ano94h, Ano95a, Ano95i, Ano96a, Ano96n, Ano97a, Ano97l]. **indexing** [BF96, DF98]. **Indices** [Rv91, Rv92]. **individual** [WH99]. **Industrial** [AF96, Arm98, BFG97, BHR89, CB89b, CLO95, OW84, WR99]. **Industrialization** [Stu83]. **industrially** [Lai99]. **Industry** [DB86, GK91a, MBL+99, FF89, Sny79, Tha80]. **Industry/university** [MBL+99]. **Inefficiency** [BAH96]. **Inexpensive** [MPS86]. **Inference** [CL94, Sta85, LS92, VH89]. **Influence** [Sny79]. **Influencing** [SYB97]. **influential** [MB97]. **INFORM** [vEHvV89]. **Informal** [BYY87, LF98]. **Information** [ARAS94, Blu86, BY85, CFSS98, DR92, DLG96, DF99, FSA87, Gla92a, Hab85, Hen95, Hen88, HUMT92, KAL97, KJB97, MR83, PL96, RF84, SGL93, Tau92, TKS95, Tre81, WSN92, WNSC96, ZC97, Zho94, vS96, Bar94, Gla98h, HLAB99, HBJ+99, Kam89, Ken80, LS99, LJ99, MD89, NDM80, RC94, SSvdW99, XHW99]. **information-hiding** [RC94]. **information-systems** [Kam89]. **INGRES** [HMC98]. **Inheritance** [AHGS92, AHG93, RMC93, LH98]. **Initiated** [HJ90a]. **Initiative** [DB86]. **innovations** [BM89]. **Innovative** [ACCD91]. **input** [SMU98]. **input/output** [SMU98]. **ins** [Spa92]. **Insecurity** [AP97]. **Insight** [Gla91h]. **inspection** [NL99]. **Inspections** [KSH92]. **Instantiation** [MM93a]. **Institutions**

[Gla96a, Gla94a, Gla95c, Gla97a, Gla97e, Gla97j, Gla98b, Gla99a, Gla99b, Gla00]. **Instrumentation** [BAL81, KHL+99]. **Instruments** [MP89]. **integrate** [ST89]. **Integrated** [Car94, CH94, FM93, Fri83, Mai96, TL99, Tia96, ZR87, Bhi90, CDM98, LL99]. **Integrating** [HL90, KZ91, LTT92, Mar84, Sed93, SW95b, CC94]. **Integration** [Arm98, EL94, HZ84, MR80, O'N83, PL99, RBM95, Sta99, VB99, Jen99, ZS88]. **integrity** [MA94, TCMJ98]. **intelligence** [PP94]. **Intelligent** [Dam96, KP97a, MWH97, Nit98, RF84, WM99, CJP98]. **intended** [Rom98]. **Intensive** [TL96, Sta99]. **Interaction** [KP97a, Nit98, Har98, Mur99]. **Interactive** [Amb87, BAL81, DK94, DK97, Fis91, MC91, Mer87, YNDS88, ZENA93, Bra89, DL99, ZS88, vEHvV89]. **interchange** [SMS94, SW99]. **Interconnected** [BFC92]. **Interconnecting** [ZEB88]. **Interconnection** [Arc81, PH93, PDN86, ZSGS93, Kor99a]. **Interconnectivity** [KH81, Sel93, RB89]. **Interdisciplinary** [Har98]. **Interface** [CB91, HHSR94, Hur93, JS90, Kun91a, LG97, WLC95, Bak88, Kun91b, MM93b, PL94]. **Interfaces** [GK91b]. **Internal** [Liu95]. **International** [Rus90, tLF89]. **Interoperability** [Tre81]. **Interpreter** [BS86]. **Interrelationships** [TD80]. **Interrupts** [Kri93]. **Interweaving** [PL96]. **Introducing** [Krä91a]. **Introduction** [Ano84c, Bas80, Bec86, Goe84, Har88a, Har90b, IYKO95, JNY84, Mar81, OP92, Ano83, Ano93g, Ano94g, CU98, Fai83a, Fai83b, Fai83c, Fai84, Fai85b, Har93, Har94, KY92, MS79a, MS79b, Rad84, Rid81, SM80, SM81a, SM81b, SM81c, SM81d, SM83, Wil89]. **Intrusion** [LHC96]. **investigate** [MB97]. **Investigation** [Emd91, Joy87, Loh84, RBM95, WH91a, HS99, LJ99, WDMR99]. **investment** [RS98]. **Investments** [RS98]. **Invocation** [Kor83]. **IP** [SSK98]. **ISCC** [LS99]. **Ismos** [NY84]. **ISO** [Lai95, Lai97a, LL97a, LL99]. **Isolation** [Dil91]. **Issue** [FM90b, Har90a, Ano84c, Bas80, Bec86, CU98, Goe84, Har88a, JNY84, Pla95]. **Issues** [FG94, Hać86b, CL99, De 97, Fic89, Gla96h]. **Italian** [RZ94]. **Items** [SG91]. **Iteration** [BBP96, Sta93b, PMB99]. **ITOC** [HLAB99].

JACK [BFG97]. **Jackson** [CC94]. **JAD** [Dav99]. **Japan** [AM94, Duv95]. **Job** [AP97, BBG86, VC97]. **Join** [AT97]. **Joint** [Dav99, Sch81]. **Jointly** [GAWC91]. **Jointly-owned** [GAWC91]. **Journal** [BT97, FM90b, Gla99b, Gla00, Li99, Gla89e]. **JSS** [Gla95j, Gla96k, Gla97k].

key [Nec96]. **keys** [WJ99]. **kits** [GW95]. **Knowledge** [AJMP96, Fra90, KB96, MW95, MP90, Mot96, Pla92, Pop92, Pre95, Sam93, STJ83, She90, Uck91, CU98, Eri92, HHZ92, Pla95]. **Knowledge-Based** [Fra90, KB96, MW95, MP90, Pre95, Sam93, STJ83, She90, HHZ92, Pla95]. **Known** [Hen88]. **Kodak** [Sed93]. **Kung** [CB91].

L [Gla88b]. **Laboratories** [HBCC94]. **Laboratory** [BF81, MA89, VM89]. **Language** [Arc81, BS86, Bel93, BYY87, BBC+88, BK85, CL81, CT94, CH83, Coh81, GMM90, HG91, Joy94, KP91, Krä91a, MGH97, Maz81, Mey88b, MO90, PT91, PD98, Ros87, Sku91, TKU93, UW95, Whe81, ZSGS93, BK95, De 98, GJ88, Jav88, JMM99, Nav92, SW88, TCMJ98, UhCLS94]. **language-supported** [BK95]. **Languages** [AM81, CH83, CGD+96, FM90b, Gan91, HP92, Kor83, MF90, NC96, PDN86, RMC93, SAA93, TK87, YFY96, PK89, Rom99, Sto92, War89]. **LANs** [BFC92]. **Large** [Ara95, Bla87, Di 87, Gom94, HL90, Leh80, MWH97, MWH98, Nit96, OKOM97, Rey80,

Sel93, WWC97, WRW93, WWC98, Wey99, WCV+98, WM99]. **Large-Program** [Leh80]. **Large-Scale** [Gom94, HL90, OKOM97, WWC97, WWC98]. **Last** [Gla90a, Gla98h]. **later** [Gla97k]. **Laws** [Leh80]. **Layered** [Amb87, HO96, YCGH92]. **layering** [WSM+95]. **Layout** [BTT84, HHZ92, Son93]. **lead** [Gla93h]. **leadership** [HS99]. **leads** [Ano94d, Gla94b]. **learn** [Gla98d]. **Learned** [LV97, Rei87, BW80, Gla97j, Tom89]. **Learner** [Sca88]. **Learning** [OT92, SW88]. **Legacy** [AC97, BM98, CDDF99, TT98]. **legend** [Gla89h]. **Less** [HC86, OT92, VPM93, Gla93h]. **Less-than-Successful** [OT92]. **lesson** [Gla97j]. **Lessons** [Ker92, LV97, Rei87, Tom89, BW80, Qui94]. **Letter** [TL95, WJ99]. **Letter-Oriented** [TL95, WJ99]. **Level** [BW83, BH83, Fai85a, GH83, KP97b, KP91, MMSH92, MP90, PU84a, Rv92, She90, TR89, ZSGS93, GJ88, GKP98, LP93, Nav92, PU84b, Rv91, Rog89, TE99]. **levels** [RVM99]. **librarians** [Gla95g]. **Life** [AJMP96, Bas80, FF95, HZ83, Leh80, RUV92, San95, TD80, Dav88, Gla94d, Got93, OBS79, Tia99]. **life-cycle** [Tia99]. **lifecycle** [PMB99]. **Lightning** [Gla89f]. **like** [CT94]. **Likely** [VPM93]. **Limited** [RT86]. **Limits** [Tau92]. **Linda** [Has98]. **line** [GAK92]. **Linear** [RT86, YRN80]. **Lines** [Dol97]. **link** [Gla92g]. **Linkage** [ZS88]. **linked** [Kar94]. **linking** [FPW96]. **LISP** [Ng93, YY93]. **List** [SD94, YRN80]. **Listings** [LDN87]. **Lists** [DT90, GAW92]. **Literature** [LL85, Not85a, Ano91c, Gla91i]. **Little** [Gla90g]. **Littlewood** [Lit80]. **Living** [BR90]. **Load** [HJ90a, HJ91, HL94a, RCSD93, Sho91, DLT99, Hać92]. **Load-Building** [HL94a, Hać92]. **Local** [DT90, ZZ88]. **Locality** [TL89]. **Localization** [STJ83, Sel93]. **Locally** [CW97]. **Location** [CL94]. **lock** [CKyL98]. **lock-based** [CKyL98]. **Logic** [BCFG86, Fer93, GMM90, Jma96, Kom88, Kus90, UH96, De 97, She89]. **Logical** [PdF97, TT93]. **Logistic** [Sch81]. **Long** [BR90, Gla98h]. **Long-Living** [BR90]. **look** [Ano87d, Ano88d, Gla86, Gla89b, Gla91g]. **lookup** [WK88]. **loop** [Ozk97]. **Loops** [FN85]. **Loosely** [FG93, HJ90b]. **Loosely-Coupled** [HJ90b]. **Losing** [Zuc90b]. **Lost** [Gla92h, Hat99]. **Lotus** [Lit90]. **Low** [Fai85a, VH89]. **low-cost** [VH89]. **Low-Level** [Fai85a]. **LPP** [FG93]. **LSS** [Rob98].

M [MR86]. **Machine** [Har81, LL97a, LTT92, TT93, YY93, VH89]. **Machines** [Yua90, ZCd96]. **Macro** [HC87, Lit90]. **made** [FF96]. **Madness** [Gla90d]. **Mae** [Har88b]. **magnetic** [CB89a]. **Mainframe** [Ano86d]. **Maintainability** [CLO95, LTHR97, LH93, OH94]. **Maintaining** [LDN87]. **Maintenance** [Gla90e, Gla91e, HS95, HR96, Jar93, KB96, KS96, KL95, LPLS87, PL92, RUV92, Sch97, SKV94, vAW93, DS98, Gla92g, Gla93a, Gla93h, PC98a, Vis99a, WT89]. **majors** [Gla93a]. **makers** [Pre90]. **Making** [DLS94, KHL+99, Sku91]. **Manage** [Rv92]. **manageable** [KHL+99]. **Management** [ARAS94, AM94, Ber81, Bla87, BR90, Bro87, Duv95, EHS93, Gla96h, HR96, JP94, KSW93, KK81, KW93, Lan90, LM94, LO92, MK90, PM90a, Pul90, RA91, RT93, SGL93, Sag95, Sch81, SW94a, SKV94, SB88, Tau80, AH88, Ano91b, CB89a, CC99a, DMV98, Gla91d, Gla91f, Ken80, KR98, Mur99, PL94, PM94, Rav81, RCL99, ZZ88, Bas80]. **managerial** [BM89]. **Managing** [GA95, Hać93, JL85, Rv91, ZM96]. **Mandated** [SG91]. **Manipulation** [MR83, SD94]. **Manpower** [BB81]. **Manufacturing** [TM97]. **Many** [BBG86, BM96, Gla93g]. **mapping** [CL99]. **Mark** [Dol97]. **Marketing** [FF87].

Massively [KM92]. **Master** [Mil89, TE99]. **match** [CL98, CLLC96]. **Matching** [Kor83, Cha93, HBJ+99, PM99]. **Material** [TR89]. **mathematical** [Woo80]. **Mathematics** [Gla96e]. **Matrix** [CBK96, KL96, WWC98]. **maturation** [Gla89b]. **Maturity** [PM90b, Pfl95, Gla97j]. **McCabe** [Tak97]. **Means** [Esk89]. **Measure** [BE81, BAL81, HC87, MM92, Rey84, Tak97]. **Measured** [Gla90a]. **Measurement** [AR94, BBF+90, BF81, BK95, BF90, Cav84, Cha95, DR92, Het95, Mac91, Mor99, MK93, Mus80, Por93, RUV92, Rus90, Sed93, TTP97, Tia99, vS83, PL99, TT98, VM89]. **Measurement-Driven** [Por93]. **Measurements** [Hon90]. **Measures** [BBC+88, BK85, FM90a, LV97, MTG92, Moo98]. **Measuring** [AR90, CA88, Cio91, FRF98, Gon95, HL98, MA89, She94, TZ81]. **Meaures** [HB89]. **Mechanism** [BH83, CL98, FPW96]. **mechanisms** [JCJ99, KR98, SMCL96]. **Medicine** [Col92]. **meeting** [Gla96i, Bev99]. **meetings** [Jef92]. **Member** [Mot96]. **memo** [KA96]. **memo-functions** [KA96]. **Memories** [BW95, GP98]. **Memory** [Hać91, IMM95, SF92, CC99b, ISS98, LF91, SMU98, TL89]. **MENDELS** [UH96]. **Mental** [FAI94, LPLS87, SFM99]. **Menu** [Art87]. **Menu-Based** [Art87]. **Merge** [Yan94]. **Mergesort** [Ver89]. **Message** [Hać94, MF90]. **Message-Passing** [MF90]. **Metadata** [FC96, SGL93]. **Metasystem** [BST93]. **Method** [BAEH96, BYY87, BK92, CH94, CL97, Gla90d, Gom89, HL83, Hur93, KH96, LL98, LHC96, Liu93, MPS86, Pan81, Vel87, BM98, CC94, FJ98, Iso98, LC98, NDM80, WJ99, WK88, WDMR99]. **Methodologies** [Gla96f, TOYI95, HBJ+99, KY92]. **Methodology** [BY85, Bro87, CS85, EHS93, Gas96, HBCC94, IYKO95, KZ91, KL96, Law81, LH90, Lee93, MB84, She94, ZCd96, Zvi93, Kuo94, Raj94, Rid81, RG79]. **Methods** [EC98, Esk89, Fen93, FF87, Fur93, Gla91c, Gla93d, Gla95d, Gom94, Hag91, Jac98, LH95, LSD95, Par98, WRW93, Zim84, DIP98, Gla93h, Gla94e, Gla96d, GV99, HLC99, JH99, JTW98, LF98, Ost92, Sai98, Wil89]. **METKIT** [WBR90]. **Metric** [Eva83, Gon95, Har88b, HS95, KAL97, MK90, NC96, OHK93, PS90, RY93, SKV94, vS83, CJP98, Li98, Li99, RC94, RB89]. **Metric-based** [PS90]. **Metrics** [AM94, Bhi90, BST93, BC91, BN90, BC94, CRV94, CL95, CBOR88, CR90, CMP85, DS92, Deh90, EL94, Gla89f, Har90a, HL90, HG91, KH81, KML94, LH93, Moh81, MV93, MM93c, Myr90, NB93, OKOM97, OC90, PM90b, Pfl95, RAC90, Rey84, SN91, Sed93, SI94, SS98, VM93, Wha90, WSD81, YNDS88, CDDF99, FN99, MD89, Rey89, RB89, TVK94, Har90b]. **metrics-driven** [Rey89]. **Micro** [HC87]. **Micro/Macro** [HC87]. **Microarchitectures** [OK94]. **microcode** [TVK94]. **Microcomputers** [MIH92]. **Migration** [MM95, DG98, ISS98, TW98]. **Mikhail** [Ano90d, Gla90c]. **Mil** [Coo81]. **Mil-Std-1679** [Coo81]. **millennium** [Sai99]. **MIMD** [ZEB88]. **mine** [Gla93f]. **minimization** [WHMP99]. **Minimum** [Chr86]. **Minimum-Time-Reachability** [Chr86]. **Minnowbrook** [Ano84c, Goe84]. **MIS** [Jef87]. **Misinterpretation** [Cio91]. **misleading** [Gla86]. **Mission** [DB86]. **Mission-Critical** [DB86]. **MKH** [CLLC96]. **mobile** [CC99b, WM99]. **Mod** [DT90]. **Model** [AHGS92, AHG93, Ara95, Bel93, BW93, BY85, BFC92, EL94, FZHS95, FSA87, FAI94, Goe80, Hać89b, HZ83, HB83, HH97, HO96, HFK92, Jar93, Jef87, JB91, KP97a, KD91, KP97b, LM94, MGH97, MSI90, Phi81, PH86, PL92, Poo93, Pop92, PL83, SL96, Tak97, TZ92, UW95, Var91, VT87,

WNHM86, ZK85, ZC97, CPW98, GAWC91, Hać88, HTO97, HMC98, JS99, KC98, Kuo94, LP93, LAHS97, Lit80, LM96, SZ98, SW99, SFM99, Vla98, WHL89, WD99, Woo80]. **Model-Based** [EL94]. **Model-Driven** [Jar93]. **model-oriented** [LM96]. **Modeling** [BT97, CB91, Eva95, FS88, FF95, FM87, Gul96, HOT97, Kun91a, Kun95, Mai96, Mer87, Mil96a, Mot96, Por93, RCSD93, Sak84, San95, SBM94, Sta83, SP94, WC99, WFZ96, Zel96, BW80, Car94, DY99, DL99, HR95, HCC91, KMR99, Kun91b, LP93, Nav92, Sca99]. **Modelling** [Cla86, CP97, Hać86a, KNT86, GV99, PL99, WL99]. **Models** [CLO95, Dha95, FWD97, FAS94, HS95, KMMG91, KL91, KW91, LV97, LL97b, LPLS87, MBCD86, MS97, MD91, MTON94, Pfl95, Sta85, Tau92, Tör90, ZEB88, MHSM99, MO84, SC99, TVK95]. **Modern** [Gla93h]. **Modes** [Sub93, Fug99]. **Modest** [Mat86]. **Modifiability** [Loh84]. **Modified** [PH86]. **modular** [EL88, FW90, HCC91]. **Module** [Arc81, Bow84, Loh84, OHK93, PDN86, ZSGS93, Leu97, TM98]. **Modules** [BMSB94, KL95, PBC93, SH98]. **Monitor** [TT93, Zho93]. **Monitoring** [HO96, YRN80, CZdV98]. **Moral** [Col92, Lue92]. **Mortem** [Hag91]. **MOSIS** [Ayr98]. **MP** [CM86]. **MPEG** [Ng99]. **MSc** [BHR89]. **MSE** [Mil89]. **Multi** [WDMR99, LJM96, PA99, WCV+98]. **multi-agent** [PA99]. **Multi-method** [WDMR99]. **multi-paradigm** [LJM96]. **multi-process** [WCV+98]. **multicast** [JCJ99]. **Multicasting** [Hać94]. **Multiclass** [MR86]. **Multicomputer** [Amb87, Çam99]. **multicomputers** [KH97]. **multidisk** [GAK92]. **Multiflawed** [Gla88b]. **multijoin** [vdBK94]. **multimedia** [CL99]. **Multimicroprocessor** [GDF86]. **Multimode** [KNT86]. **Multiparadigm** [HL93, Ng93]. **Multiparty** [Cho95]. **Multipath** [ZX94]. **Multiple** [CHB94, Del92, MBCD86, TKU93, CLLC96, OSG98, Rog89, ST89]. **Multiple-Bus** [MBCD86]. **multiple-level** [Rog89]. **Multiple-Viewed** [Del92]. **Multiprocessor** [MBCD86, PH86, SF92, ZCd96, CKyL98, Hać88, Kar98]. **Multiprocessors** [Rod86, SG89, WWC97, CTA94, LF91, WWC98]. **Multiproject** [AH93]. **Multisequential** [TK87]. **multistage** [PV94]. **Multitasking** [CM86]. **Multithreaded** [RW97]. **Multiuser** [GAW92, MIH92]. **Multivariate** [LHC95]. **Multiviewpoint** [MW95]. **mundane** [Ano88d]. **Mutation** [BM93b, FWH97, WM95]. **Mutual** [DS94, DHP86, MS90, TW95, WTS95, JM96, MBL+99]. **Mutual-Exclusion** [DHP86]. **My** [Gla89d, Gla94e]. **Mystery** [Gla90g]. **Myth** [Gla90b]. **mythology** [Gla88a]. **Myths** [FF89, LF98]. **MYTHSEEKER** [Rog94, Hei95].

narrative [Ayr98]. **natal** [Gil88]. **Natural** [BYY87, Bra96, Maz81, JMM99]. **Naturalness** [Gla96g]. **navigation** [OSG98]. **necessarily** [LF98]. **Needed** [BM96]. **Needs** [AM81, Bev99, CR89]. **Nested** [FN85, HW94, HC86]. **nesting** [HB89]. **Net** [GMP94, KP93, KP97b, LM94, LL97b, PdF97, Var91, JS99, LP93, SC88]. **Nets** [Chr86, Coo90, FN86, KH96, Sch91, SBM94, vD93, GKP98, HCC91, Kor99b, PdF97]. **Network** [BP86, Bla87, Hać93, KL95, LS97, LG97, MR86, SW93, Ulu97]. **Networks** [BBG86, DHP86, FWD97, Hać86a, MWH97, MWH98, Nit98, PH93, Tsu85, ZK85, Çam99, Kor99a, PV94, Rog89, VVS99]. **Neural** [FWD97, KL95]. **next** [Gla89b, Sai99]. **No** [Ano87d]. **Node** [IMM95]. **Non** [Sch91, Gla96i, KWME99]. **non-goal-oriented** [Gla96i]. **non-repudiation** [KWME99]. **Non-Sequential** [Sch91]. **Nonblocking** [WM96]. **Nonchange**

[Gla96k, Gla95j, Gla97k]. **Nondeterminism** [DS92]. **Nondominated** [Nei97]. **Nonexceptional** [TB95]. **Nonprogrammer** [OS87]. **Nonuniform** [PH93]. **Normal** [SKS96]. **Normalization** [Mil98]. **Notification** [HR96]. **Notion** [Tai93]. **Notions** [Mot96]. **Novices** [YN91]. **NPath** [MM92]. **NUMA** [WWC97, WWC98]. **Number** [Cai98]. **numbers** [Gla95f].

O [KL96, MD91]. **O/A** [KL96]. **OASys** [Vla98]. **Object** [AC97, AHG93, Bar94, BW93, BC94, CH94, Dav95, EHS93, ES97, Gla96g, JB91, JH99, KO95, KS96, KSW93, KN97, Kun95, KGH+96, LH93, MWH98, MSI90, Mil96a, MO90, MD89, Moy96, NC96, Ng93, PM90a, PBC93, PD98, RA96, RMC93, SW93, SCG+93, Sei89, SW94a, Sta93a, Tai93, TL96, UW95, WRW93, ZZ88, BK95, BF96, Car94, ÇZUB99, CPW98, CLSC98, CC94, DIP98, FPW96, GV99, GJP96, Har97, HL94b, Jia99, KC98, LS92, LP93, Li98, Li99, LFY+99, Mat96, MT98, NQ98, PL94, PM94, Raj94, RR98, Rom99, SPK99, SW96, SS98, SMCL96, UhCLS94, WK88, WDMR99, Chu97, Gla93c, Gla94f, Got93]. **object-based** [BK95]. **object-linking** [FPW96]. **Object-Orientation** [Moy96, Gla96g, Gla93c, Gla94f]. **Object-Oriented** [AC97, AHG93, BC94, CH94, EHS93, JB91, KO95, KSW93, Kun95, KGH+96, LH93, MSI90, Mil96a, NC96, Ng93, PM90a, PBC93, PD98, RA96, RMC93, SW93, SCG+93, Sei89, SW94a, Sta93a, TL96, UW95, WRW93, Bar94, Dav95, ES97, JH99, MO90, MD89, BK95, BF96, Car94, ÇZUB99, CPW98, CLSC98, CC94, DIP98, GJP96, Har97, HL94b, LS92, LP93, Li98, Li99, Mat96, MT98, NQ98, PL94, Raj94, Rom99, SW96, SS98, SMCL96, WK88, WDMR99, Chu97, Got93]. **Objective** [ÇZUB99]. **Objectives** [ANB93]. **Objects** [MS97, PL96, WM90, CDDF99, GAWC91, ZMAER99]. **Obsolete** [Hab85, Gla92c]. **obvious** [Gla95e]. **OCCAM** [BdADH94]. **odd** [Ano94e, Gla94c]. **Offs** [GA95]. **old** [Gla95j]. **OMT** [HK98]. **once** [CB89a]. **One** [CL97, FN86, Rei87]. **One-Place** [FN86]. **only** [Gla98k]. **OO** [JMM99]. **Open** [FG94]. **Operating** [SCK86, TT93, ST89, GAWC91]. **Operating-system** [GAWC91]. **Operation** [CH94]. **Operational** [ANB93, FAS94, RBM95]. **Operations** [Hać91, NM93, RA91, HL94b]. **OPNets** [LP93]. **opportunities** [MBL+99, TE99]. **optical** [CB89a]. **Optimal** [CL97, PM99, Pha94, UH86, CZdV98, WHL89]. **Optimistic** [BKS85, wLyLlH97, CKyL98]. **optimization** [vdBK94]. **Optimum** [Leu92, OG80]. **Order** [BP86, KML94]. **Ordered** [KD91]. **Orderings** [LVB+93]. **orders** [CTA94]. **Oregon** [Har90b]. **Organization** [BY85, Car99, MP94]. **Organizational** [AP97, Lan98b, Law81, Mat96, Tha80, Thi94]. **Organizations** [Owo96, Sny79]. **organized** [RB89]. **Organizing** [BBØ96, Tan96]. **Orientation** [Moy96, Gla94f, Gla96g, Gla93c]. **Oriented** [AC97, AHG93, BC94, CFK91, CH94, CG94, EHS93, JO83, JB91, KO95, KSW93, Kun95, KGH+96, LH93, MWH98, MSI90, Mil96a, NY84, NC96, Ng93, PM90a, PBC93, PD98, RA96, RMC93, SW93, SCG+93, Sei89, SW94a, Sta93a, TOYI95, TL96, TL95, TDB97, UW95, WRW93, Bar94, BK95, BF96, Car94, ÇZUB99, CPW98, CLSC98, CC94, Chu97, Dav95, DIP98, ES97, Gla96i, GV99, Got93, GJP96, Har97, HL94b, JH99, KC98, LS92, LP93, Li98, Li99, LM96, Mat96, MT98, MO90, MD89, NQ98, PL94, PL99, Raj94, RR98, Rv91, Rom99, SW96, SS98, SMCL96, TM98, WJ99, WK88, WDMR99]. **ORL** [UhCLS94]. **Other** [MS97]. **Our** [Gla92h]. **outlook** [Rav81]. **output** [SMU98]. **overheads** [WWC98]. **overloads**

[Rot89]. **Overview** [AF96, Ber91, CBOR88, IKCN91, Kam95, PK89]. **owned** [GAWC91]. **Owns** [Har95a].

Package [DK94, SL96]. **Packages** [LTT92]. **Packaging** [Bas97]. **Pager** [WLC95]. **papers** [Ano92d, Ano93b, Ano93c, Ano93d, Ano96m, Mar81, Gla86]. **Paradigm** [GHC91, Sah94, LJM96, MB97, SPK99]. **Paradigms** [Moy96]. **Parallel** [AT97, BP86, Bel93, BAH96, FG93, Fra86, Hać86a, HL94a, Hay86, IMM95, KM92, LZL97, MPS86, MIH92, RT86, Sho91, SP94, Tan96, Won93, WNHM86, ZENA93, De 97, Has98, HCC91, LF91, SMCL96, SMU98]. **Parallel-Processing** [Hay86]. **Parallelism** [Ban86, FN85, Tri86b, Vla98]. **Parallels** [HD84]. **Paramedic** [CM92]. **Parameterized** [NM93]. **Parametric** [JB91, Krä91b]. **Paramita** [JC98]. **Parnas** [Gla86]. **Parr** [BB81]. **Parser** [KK85]. **Parsing** [Hee90, KK85, MGH97, vAW93]. **Part** [MvS95, Mot96]. **Partial** [EC98, LVB+93, Rey84, Rod86, CLLC96, Rey89]. **Partially** [KD91]. **Partition** [CLL99]. **Partitioning** [BE81, Gie79, KC96]. **partly** [Gla91g]. **Parts** [BDM+93]. **Party** [Gla90b]. **partying** [Gla99d]. **Pascal** [L'E87, Lok96]. **PASS** [MIH92]. **Passing** [MF90]. **password** [JC98]. **past** [SW88]. **Patchwork** [BS86]. **Path** [BH83, CL97, UH86, VVS99, WHL89]. **path-selection** [WHL89]. **Paths** [BM96]. **Pattern** [Kor83, Cha93, FPW96, War89]. **pattern-based** [FPW96]. **Pattern-Directed** [Kor83]. **Patterns** [CM93, LIC92, MS97, PH93, TL99]. **Payoff** [Bro81, Gla91a]. **PC** [HHZ92]. **PDL** [OC90]. **Pencil** [Gla96j]. **People** [OS87]. **perception** [KJ99]. **perceptions** [Lin99]. **Performance** [Amm91, Ano84c, Bha84, BAL81, BM93b, CZ91, FC96, Goe84, Gor91, GDF86, Hać86b, Haç89a, Hać89b, HJ90b, Hać92, IMM95, KP97b, KNT86, Lai97c, LZL97, MPS86, Par86, PH93, RA91, Rv93, RCSD93, SAA93, SKS96, Ver89, WNHM86, AA98, CLL99, GAK92, KR98, Kor99b, Row86, SMU98, SW99, ZLZ+96]. **Performance-based** [ZLZ+96]. **Performance-Reliability** [Hać86b]. **Periodic** [ML95]. **Person** [KCK+98]. **personal** [ST89, VH89]. **personnel** [FF89]. **Perspective** [AH93, Deh90, Hon90, Joy94, O'N83, Pla92, RAC90, RA91, Hal92, JS90, tLF89]. **perspectives** [MBL+99]. **Petri** [Chr86, Coo90, FN86, GKP98, HCC91, JS99, KH96, KP93, KP97b, LP93, LM94, LL97b, PdF97, SC88, SBM94, Var91, vD93]. **Ph.D.** [Gla97e]. **Phase** [KL95, OKOM97, TD80, HY95]. **phased** [WD99]. **Phases** [Zim84]. **Philosophy** [BBF+90]. **Phrase** [AB90]. **pictures** [CL98]. **Pilot** [Gla97l, MM95]. **Pioneer** [Gla97m]. **piracy** [Thi94]. **pitfalls** [Gla95f]. **PL** [Bel91]. **PL/1** [Bel91]. **Place** [FN86]. **Plagiarism** [Wha90]. **Plan** [Pfl95, Sam93, MD89]. **Planning** [DLG96, Sam93, WC99]. **PLEASE** [TC89b]. **Plenty** [Gla95f]. **Point** [BK92, Rei90a]. **Pointer** [BL98]. **Points** [AR94, Dol97, FWD97, FTAM99, Cha95]. **Points-to** [FTAM99]. **Poisson** [Eva97]. **Policies** [CH83, HH87, RCSD93, WKM94, CC99b, DIP98]. **Policy** [Sch81, Gla95j, Gla97k, Qui94]. **Polymorphism** [Krä91b]. **Polynomials** [OH94]. **Populating** [Pou95]. **population** [Çam99]. **Portability** [HO97]. **Portrait** [Bab91]. **Post** [Hag91]. **Post-Mortem** [Hag91]. **Postgraduate** [BHR89]. **Potholes** [Gla88b]. **Practical** [DA86, VP92, WH97, TCMJ98, ZMAER99]. **Practice** [AM94, Duv95, Gla90h, Hag91, Het95, LSD95, RBM95, Ano94d, Dav99, Gla89i, Gla93c, Gla94h, Gla94b, Gla95b, Gla98j, yL98, Qui94, Gla94f]. **Practices** [GK91a, PW87, FF89, JH99, PC98a, PC98b]. **Practicing** [MP89]. **Practitioner**

[MRW+94]. **Pragmatic** [Bar92, Jef92, NS83, GP98]. **pre** [Gil88]. **pre-natal** [Gil88]. **Predicate** [Sch91]. **Predicate-Event** [Sch91]. **Predict** [LH93, LS98]. **Predicting** [Hur93, OH94]. **Prediction** [Cav84, CW90, Lee93, Lip79, Lok96, She95, NQ98, TVK95, XHW99]. **Predictive** [LV97]. **Preference** [Sca88]. **prefixes** [WH99]. **Prepaging** [HH87, WKM94]. **Prepare** [Ano87e, Sam93]. **presence** [PV94]. **presentations** [Jef92]. **primary** [HMC98]. **prime** [Gla96h]. **Principle** [ZX94]. **Principles** [Boe83, Loh84, PW87, FJ98]. **Prior** [SL80]. **priorities** [Hać88, Liu98]. **prioritization** [RST98]. **Prioritizing** [FWP93]. **Priority** [RCSD93, GAK92, Hać92, PNK96]. **Probabilistic** [FZHS95]. **Probability** [HP90]. **Problem** [Chr86, Gla90e, Nit98, Ano91c, Gla89d, Gla91i, Gla97h, HR95, PA99, PV94]. **Problems** [BB81, MPS86, WB89]. **Procedure** [SAASA94, ZM96, KKiMT96]. **Procedures** [KK81, OS87]. **Process** [APL95, ANB93, Bhi90, BBØ96, BW93, CT94, CB91, CP97, De 97, DLS94, FWP93, FG94, Gla88b, Gla93e, HBCC94, HHSR94, Kun91a, Lai97a, Lan90, Lee93, LAHS97, PM90b, Phi81, RY93, SL96, TM97, CC99a, Chr99, Ebe99, HRS95, KMR99, KSFT89, Kun91b, LR99, MB97, PL99, RVM99, RCL99, SC99, Sca99, Vis99a, Vis99b, WL99, WCV+98]. **Process-based** [De 97]. **Process-Centered** [FG94]. **Process-integrated** [Bhi90]. **Processes** [AR94, AS96, BCD92, KD91, KL91, Let87, TK87, GAW92, Hać88, Mor99]. **Processing** [Amb87, Hay86, Lai97a, PD98, Rah92, RW97, Sho91, Tsu85, Ulu95, ZENA93, vS83, De 98, LJ99, Ulu98]. **Processor** [Par86, RT93, MJ89]. **Processors** [FG93, ML95, Kar94]. **Produce** [SG91]. **Producibility** [Car92]. **Producing** [VL94]. **Product** [Esk89, Lan90, MBCD86]. **Product-Form** [MBCD86]. **Production** [BCD92, DK97, HBCC94, HP90, Ker92, Rv93, Gla97e]. **Production-Based** [Rv93]. **Productivity** [Blu89, Cha95, DB86, FWP93, Gla88b, Gla90c, Gon95, GR97, JL85, Jef87, KMO91, Law81, Tau92, Ano90d, Ano91b, Gla88c, Gla91f]. **Professional** [Got92a, Mat86, TKS95]. **Professionals** [CM92, Lue92, RZ94, FF89]. **Program** [AS96, BYY87, BL98, CS85, CH83, Eva83, FS91, GA95, HOT97, HL83, HB89, HUMT92, HU96, JO83, KL95, LDN87, Leh80, Let87, MS81, Mar84, Mil89, MD91, NB93, PW92, RBCM91, Sed93, SKV94, TZ92, WBR90, Yan94, Zho93, Bra89, FTAM99, Kam95, RB89, TL89, WHL89, Qui94]. **Programmer** [KMO91, OS87]. **Programmer-Nonprogrammer** [OS87]. **Programmers** [AP97, Gla97c]. **Programming** [AHG93, BF81, Bla87, BCFG86, BN90, CS85, CH83, Coh81, DG80, FM90b, Gan91, Gla90b, HL93, JL85, JB91, Kom88, Kor83, Kus90, Law81, Lit90, MO90, Nel81, OC91, PT91, SCG+93, She90, TK87, WM90, WSD81, BB89, CC94, CP88, De 97, EL88, LF91, Li98, Li99, Mat96, OCCN89, Phi98, Raj94, SMCL96, Sol87, SW88]. **Programs** [AR90, BAH96, Ber93, BBC+88, BK85, BP91, Car96, Dil91, Fer93, Har95a, KM92, KML94, KL90, KGH+96, L'E87, LTHR97, LZL97, LK93, Lok96, MGJT87, Rey84, SBM94, TL96, UH96, VPM93, WNHM86, BdADH94, BB89, CLSC98, EOM95, HHB+99, HCC91, Moo98, Rey89, Rot89, VB99]. **progress** [WT89]. **Project** [AH90, AH93, Ber81, Iso95, IKCN91, KT85, KK81, LM94, MM95, MK90, Pul90, RB93a, Tau80, WRW93, AH88, Gil88, Gla89h, Lin99, Mur99, Rog94, XHW99, Hei95, Not85b]. **Projection** [Sta83]. **Projects** [Bla87, Eli92, MRW+94, OT92, SM92a, DL99, SS98]. **PROLOG** [BP91, LS92, Moo98, Ura90, Vla98].

Promise [SCG+93]. **Promising** [KCK+98]. **Promoting** [DIP98]. **PROMPT** [Lai95]. **Prone** [Coo90]. **Proofreader** [Gla96j]. **Proper** [RB93a]. **Properties** [BFR96, Nei97, PdC94]. **Proposal** [AR90, Cha95, Mat86, vC80]. **Proprietary** [Hen88]. **Pros** [Gla90f]. **ProSet** [Has98]. **protection** [GAWC91]. **Protocol** [BMSB94, JT97, Lai97c, LL97a, wLyLlH97, WM96, ZK85, HHL+97, JS99, KR98, Lai95, Lai97d, LL99, NS92]. **Protocols** [ASSA96, CG94, Jma96, LL98, LL97b, SW93, Ulu97, CKyL98, Jia99, Rog89]. **Prototype** [FS91]. **Prototypes** [Bel91, BM93a, IKCN91, CTZ92]. **Prototyping** [BG96, LVB+93, Sch91, SSK98, VC97, Zho94, CDS99, HK98, Has98, LCZ98]. **Provide** [Por93]. **Providing** [Hen88, TE99]. **Pseudocode** [Sca88, Rey89]. **public** [Nec96]. **public-key-based** [Nec96]. **publish** [Gla89e]. **pull** [DF99]. **Purpose** [Yua90, Ozk97]. **push** [DF99]. **push/pull** [DF99]. **PVM** [PD98].

QA [Fis81]. **QoS** [CL99]. **Quality** [Bev99, Bol97a, Bol97b, DR92, DB86, Esk89, Gla92b, Gla92e, Gon95, HG91, Hon90, KH81, LV97, Pre95, RB93b, Rv91, Rv92, Tak97, TZ81, Ano87f, Ano92f, Ber94, Gla92g, Liu98, Pla95, RST98, SBA97, Wey99, ES97, Gla91d]. **Quantifier** [Bra96]. **quantify** [KB98]. **Quantifying** [KAL97, KSFT89]. **Quantitative** [DLS94, Dha95, DL99, HRS95, Lan90, TLPH95, Liu98]. **queries** [CJP98, VL94, vdBK94]. **Query** [RT93, vdBK94]. **Quest** [SW94b]. **question** [LH98]. **Queue** [MR86]. **Queueing** [BBG86, FMP86, Hać86a, MR86, Mue86, RCSD93]. **Queues** [Cla86, Hać92]. **Quick** [KK81]. **Quo** [MWH97]. **Quorum** [NM93]. **Quorum-Based** [NM93].

R [Rei87, Rei90a]. **Race** [Bri92]. **radical** [Gla95e]. **Raised** [Mat86]. **Random** [MTW97]. **Rank** [TC93]. **Rapid** [CDS99, Zho94]. **Rational** [Gla93e]. **re** [Gla97j]. **re-learned** [Gla97j]. **Reachability** [Chr86, NS92]. **reachable** [TS89]. **reaching** [Gla97j]. **reactions** [DF99]. **Reactive** [Fur93, JVP+98, Sah94]. **Readable** [HC86]. **Reader** [Ano92h, Ano92i, Fle95, Gla95g, Gul92, Len95, Pau92]. **readers** [Gla94e]. **Reading** [Bas97]. **Real** [BG98, CL94, CRV94, GMM90, Gom89, Gom94, GRS92, HW94, Hal92, HFK92, KY92, wLyLlH97, yL98, LH95, ML95, NC96, OK94, PZ94, Rei90a, Ulu95, Ulu97, WM96, Yua90, ZCd96, CKyL98, DMV98, DY99, Hoa94, KR98, Kor99b, Lai97d, yLcY98, LP93, Ost92, Ozk97, PNK96, RG79, SSvdW99, SBB98, Sto92, Ulu98, VT98, VT99, ZLZ+96]. **Real-Time** [CL94, CRV94, GMM90, Gom89, Gom94, GRS92, HW94, HFK92, wLyLlH97, LH95, ML95, NC96, OK94, PZ94, Rei90a, Ulu95, Ulu97, WM96, Yua90, ZCd96, BG98, Hal92, KY92, yL98, CKyL98, DMV98, DY99, Hoa94, KR98, Kor99b, yLcY98, LP93, Ost92, Ozk97, PNK96, RG79, SBB98, Sto92, Ulu98, VT98, VT99, ZLZ+96]. **real-world** [SSvdW99]. **Reality** [SCG+93]. **realization** [Rog94]. **Really** [Gla97c, Har95a, Rei90b, Zuc90a, Ano87f, Ano87h, FF89]. **Reasoning** [FWD97]. **REBOOT** [SCK95]. **Reborn** [CHB94]. **recapture** [Iso98]. **recognition** [AA98]. **Recognize** [Hen88]. **Recombining** [Ber98]. **Reconciliation** [Lan90]. **Recovering** [DG87]. **Recovery** [ASSA96, BDM+93, SAASA94, Won93, YP94, HLAB99, WCV+98]. **Recursion** [BBP96]. **Recursive** [JO83]. **Redesign** [BBØ96]. **Reducing** [WM95]. **Reduction** [Bra96, Hag91, LHC96, SB93]. **redundancy** [EL88]. **Redundant** [CLLC96]. **Reengineered** [SW95b]. **Reengineering** [APL95, AS96, Jar93, MM95, Sag95, SW95a, WSM+95, WLPL95, Ano96m, BM98, CDM98]. **References** [Gla90f]. **Refinement**

[Raj85, Var91]. **refinements** [BdADH94]. **Reflections** [Gla97m]. **Reformulating** [Gul91]. **Regression** [BT97, FWD97, Gul96, KGH+96, MTON94]. **Reifer** [Rei90b, Zuc90b, Zuc90a]. **related** [JNY84, Lut96]. **Relational** [Bra96, JN84, Pop92, SKS96, Uck91, HMP99]. **Relations** [MSI90]. **Relationship** [BTT84, CH94, JN84, JP94, MR84, Sak84, CPW98, Eri92, Gla89i, HZ79, JNY84, Kuo94]. **Relationships** [Dol97, HB83, RB99]. **Relative** [HS95, MK90]. **Relatively** [Sca88]. **Release** [Leu92, OG80, XH98]. **relevance** [WR99]. **relevant** [Lai99]. **Reliability** [Bha84, Cav84, DV94, FS88, Hać86b, HCC91, KK81, KNT86, Mus80, OG80, Rot89, SL80, SW94b, ZEB88, CW89, EL88, Iso98, Kor99a, Lit80, MO84, RCL99, Tia99, TM98, XHW99]. **reliability-assurance** [CW89]. **reliability-oriented** [TM98]. **Reliable** [Di 87, Jos83]. **Remaining** [Cai98]. **remarks** [CA89]. **Remote** [ZM96]. **remotely** [LJM96]. **Removal** [Dye87]. **Rendering** [SF92]. **Rendezvous** [DS92, WNHM86]. **renewal** [Vis99b]. **Repeated** [AB90]. **Repetitive** [Hat99]. **replicated** [KM89, Vis99a]. **Replication** [HJS91]. **report** [Gla91b, Got90, Sch81]. **Reports** [AH81]. **Repositories** [Pou95]. **Representation** [BBC+88, MR83, Pop92, Uck91]. **representations** [KC98]. **repudiation** [KWME99]. **Required** [HH97]. **Requirements** [AM81, AB90, ANB93, CL95, Del92, DF84, GMP94, Gom95, HHSR94, JP94, Lam97, Lan98a, Liu93, MvS95, Sam93, Wal91, Ber95, Dav95, FF89, JTW98, Liu98, Lut96, NDM80, Rav81]. **Research** [KSW93, MRW+94, RA91, SB88, Wei79, Ano87d, Fug99, Gla86, Gla91g, Gla95i, RST98, Sai98, WDMR99, MD89]. **Researchers** [Hen88, Gla95g]. **researches** [Lai99]. **resequencing** [Kar98]. **reserved** [Ng99]. **Resilience** [MvS95]. **resolution** [Zwe90]. **Resolving** [CA87b, CA87a, KMM89]. **Resource** [BB81, Cho95, Coo90, FMP86, Sch81, SG89, Zel88, ZR87, Leu97]. **resource-allocation** [Leu97]. **Resource-Deadlock** [Coo90]. **Resources** [Hać86a, Hać93]. **Responding** [DG92]. **Response** [BP86, BT97, KMM89, Kun91b, Zuc90a, Mur99]. **Response-Time** [BP86]. **Responses** [LIC92]. **Responsibility** [Col92, HHSR94]. **Responsible** [FK92]. **restoration** [VVS99]. **Restricted** [BS86]. **restructure** [KB98]. **Restructuring** [HL83, TL89]. **Results** [AH90, AM94, CBOR88, Gla90a, Lai97c]. **Rethinking** [Fug99]. **Retrieval** [Owo96, CL98, CLLC96, UhCLS94]. **Retrieve** [GI95]. **Retrospect** [Wic92]. **Reusable** [DJL93, Gom95, WH91b, BM98, RS98]. **Reuse** [DJL93, FF95, Hen95, Iso95, Lam97, MRW+94, PP94, SCK95, TL96, TDB97, WRW93, WLPL95, ZSGS93, Ano95h, BK95, CDM98, Gla98e, His98, LH98, RS98, WD99, ZS95]. **Reuse-Oriented** [TDB97]. **Reusing** [BMSB94]. **Reverse** [BCD92, WCV+98, Ano96m]. **Review** [KCK+98, LL85]. **Reviews** [Gla93i, PW87, KKiMT96]. **Revisited** [Ebe94, Gla90h, Raj85, Hei95]. **Revolution** [Fis81, Gla90a, Gla99c, Har97]. **RHODOS** [DG98, ZG97]. **Rigor** [Mac91]. **Rigorous** [HB89]. **ring** [KH97]. **Risk** [KL95, She94]. **rivals** [Lit80]. **Road** [Gla88b]. **Robert** [Gla88b]. **Robust** [MTON94]. **Rods** [Gla89f]. **Role** [AP97, FM90b, RZ94, Ano91b, Fle95, Gla91d, Gla91f, HS99]. **Rollback** [YP94]. **Rollback-Recovery** [YP94]. **Ronald** [BT97]. **roots** [Har98]. **Routing** [Hać94, MWH97, Kar98]. **Rule** [MP95, UW95, Fic89, Moo98]. **Rule-Based** [MP95, Fic89, Moo98]. **Rules** [Eva83, L'E87, PL96, Hsi91b]. **Run** [BFR96, LF91, Bak88]. **Run-time** [BFR96, LF91, Bak88]. **runaways** [Gla98i].

s [Ano99h, Ano99i, Ano99j, Ano99k, Ano99l, BK92]. **Safety** [CFK91, FM93, GC94, LSD95, MvS95, LM96, Lut96, Ost92]. **Safety-Critical** [GC94, LSD95]. **Safety-Oriented** [CFK91]. **safety-related** [Lut96]. **salvaging** [CV95]. **same** [Gla95j]. **Sampling** [Dye93]. **satellite** [Rog89]. **satisfaction** [Gla94i]. **Satisfy** [UH96]. **Satisfying** [VT98, VT99]. **Scale** [AR94, Gom94, HH97, HL90, OKOM97, WWC97, WWC98]. **scenario** [CLSC98]. **Schedule** [AH90]. **Scheduling** [CZ91, DK97, Ker92, MC91, WWC97, ZR87, CTA94, PNK96]. **Schedulings** [BAH96]. **Schema** [Sak84]. **schemas** [RB99]. **Scheme** [CT97, TC93, Won93, HY95, JC98, SH98]. **Schemes** [TL95, Gla99d, Rom98]. **Scholars** [Gla96a, Gla94a, Gla95c, Gla97a, Gla97j, Gla98b, Gla99a, Gla99b, Gla00]. **Science** [CA87b, FM90b, Gla92a, KMMG91, LIC92, TLPH95, CA87a, CA89, CA90, Fle95, Gla89c, Gla97e, KMM89, LvSL81, VB99, Zwe90]. **Scientific** [KSW93, Rei90a]. **scientist** [Gla96e]. **Scientists** [LIC92]. **Scoring** [RPL97]. **scripts** [Chu97]. **seamlessness** [Gla96g]. **search** [CLL99, Gla95e, PM99, SBA97]. **searches** [Ano91c, Gla91i]. **Searching** [Tan96]. **Seattle** [Mil89]. **Secondary** [Kus90, WK88]. **Secret** [CT97, HLC99]. **section** [Sol87]. **Secure** [JT97, SZ98]. **Security** [BM83, MvS95, HY95, LHC95, VB99]. **Seeding** [HOT97]. **seem** [Gla96g]. **SEGRAS** [Krä91a]. **SEL** [RUV92]. **Selecting** [MS97, Ozk97]. **Selection** [CL97, DA86, Fra90, LH90, MMSH92, Pas96, Vel87, Zvi93, NDM80, WHL89]. **self** [CTA94]. **self-scheduling** [CTA94]. **Semantic** [MR84, MV93, MM93c, VM93, OCCN89, She89]. **Semantics** [HMG96, MP95]. **Semaphore** [NM93]. **Seminar** [FM90b]. **Sender** [HJ90a]. **Sender-Initiated** [HJ90a]. **sensed** [LJM96]. **Sensitivity** [Eva83, XH98]. **SEPS** [LAHS97]. **Sequences** [MTW97]. **Sequencing** [HL83]. **Sequential** [AQ90, Sch91, VH89]. **Server** [Won93, WNHM86, Gla97d, SMS94]. **servers** [ZG97]. **Service** [LS97, Nit98, Rv91, Rv92, LFY+99]. **Service-Level** [Rv92, Rv91]. **Services** [Gas96, Rv91, Rv92, SBB98]. **Set** [CL97, FM93, ML95, SKV94, VL94, WHMP99]. **set-** [VL94]. **Sets** [BCFG86, LVB+93]. **Setting** [Ano86d]. **Seven** [Boe83, Sta93a]. **Several** [WSD81]. **SGML** [MGH97]. **Shared** [BW95, Hać86a, GAW92, ISS98, LF91, SMU98]. **shared-memory** [LF91]. **Sharing** [CT97, FMP86, Sho91, HLC99]. **Short** [Sca88]. **Should** [Gla89e]. **showing** [RB89]. **signaled** [SSK98]. **silver** [Ano87d]. **SIMD** [AT97]. **similar** [XHW99]. **Similarity** [Owo96, yLcY98]. **SIMPARC** [BAH96]. **Simple** [KK81, ZR87, vD93, Kor99a]. **Simplified** [BK92, MR83]. **Simulated** [Ree85]. **Simulating** [MWH98]. **Simulation** [AH90, BP86, Chr99, Kar94, LG97, Mer87, Rey80, SW93, WSN92, WNSC96, AH88, Chu97, DB95, DL99, HMC98, KMR99, RVM99, RCL99, Sca99, LAHS97]. **Simulation-based** [AH90, AH88]. **Simulators** [BAH96]. **Singapore** [PC98a, PC98b]. **Single** [AH93, VL94]. **Single-Project** [AH93]. **single-valued** [VL94]. **Size** [Bow84, Lok96, HTO97, WHMP99]. **Sizing** [BC91, Rei90a, VT87, Ber88]. **SL-trees** [BF96]. **Slice** [Hsi91b, HU96]. **Slicing** [BL98, KL90, Kam95]. **Small** [DLG96, Eva97, HH97, RZ94]. **Small-Scale** [HH97]. **Smdc** [YNDS88]. **Smerfs** [FS88]. **SMILI** [KM92]. **smoothing** [Ng99]. **Snooping** [BW95]. **SOFL** [OL99]. **Sofspec** [NS83]. **SoftClass** [MRW+94]. **Softcost** [Rei87]. **Softcost-R** [Rei87]. **Softening** [Sne83]. **Softest** [MS81]. **Software** [AM81, APL95, AJMP96, ACCD91, Amm91,

Ano84c, Ano86d, Ara95, ANB93, AS96, AM94, Bab91, BBF+90, BF81, BL95, Ber81, Ber91, Bhi90, BBC+88, BS96, BW80, Boe83, Bol97a, BST93, BC91, BN90, BW93, BT97, BC94, Bro81, BHR89, BF90, Bux90, Cai98, CA87b, CB89b, Car92, Cav84, CL81, Cha95, CT94, Chr91, CV95, Cio91, CLO95, CR89, CW90, CRV94, CGD+96, Coo81, CBOR88, CMP85, CDJ+84, DS92, DGM93, DG92, DLS94, Deh90, Del92, DJL93, Dha95, Di 87, DB86, DS85, Duv95, Dye87, Dye93, Emd91, Esk89, EL94, Eva97, Eva83, Fai85a, FS88, FM93, FM90a, Fen93, FN99, FG93, FM90b, FWP93, FWD97, Fis81, FF95, FF87, FG94, GHC91, GI95, Gla88b, Gla89f, Gla90c, Gla90d, Gla90e, Gla91e, Gla92a, Gla92b, Gla92e, GV92, Gla93e]. **Software** [Gla95h, Gla96a, Gla97a, Gla97f, Gla97m, Goe80, Goe84, Gom89, Gom94, Gom95, Gon95, GR97, GC94, Gul96, HL94a, Hag91, HO97, HBCC94, Ham81, Har95a, HC87, Har90a, Har90b, Hen95, HL90, HG91, Het95, HD84, Hon90, HS95, Hur93, Iso95, JVP+98, Jar93, Jef87, Jef91, Jef96, JL97, Jos83, Joy87, Joy94, KH81, KC96, KB96, KSS84, KMMG91, KMR99, KSH92, KS96, KAL97, KN97, KT85, KK81, KL91, KCK+98, Lak97, Lan90, LV97, LH98, LL85, Lea95, LP95, Lee93, LM94, Leu92, LH83, Li99, LTT92, Lin99, LPLS87, Loh84, tLF89, LF96, Mac91, MM95, MTG92, MM92, MR80, Mey88b, MRW+94, Mil89, MTON94, Moh81, MP89, MB84, MP90, MK90, Mus80, Myr90, NS87, NG91, OKOM97, OHK93, OG80, OH94, OW84, Pan81, PBC93, PdC94]. **Software** [PdF97, PM90b, Pha94, Phi98, Phi81, PL92, Poo93, PC98b, Por93, Pou95, PU84a, Pul90, RZ94, RVM99, RST98, RAC90, Rey80, RB93b, RCL99, Rus90, Sah94, Sai99, SN91, SL80, Sch97, Sch81, Sed93, Sei89, She94, She95, SL96, SCK95, Sne83, Sta93a, SKV94, Sta83, Sta85, Sta90, Sta93b, SP94, Stu83, SB93, Sub93, SB95, SB88, Tak97, Tar92, Tau80, Tau92, TC89a, TTP97, TR89, Tör90, TVK94, Tri86b, TKU93, TB95, VT87, VM93, Wal91, WH97, WL99, Wha90, WH91b, WSR+83, WLPL95, WWF94, WFZ96, XHW99, YN91, YNDS88, ZS95, Zel96, ZC97, Zuc90b, vS83, vAW93, vC80, AH88, Ano87d, Ano87f, Ano88d, Ano90d, Ano92f, Ano94d, Ayr98, BM89, Ber94, Ber98, BK95, Bra89, CA87a, CA88, CA89, CA90, CTZ92, Car99]. **software** [CU98, CSKB+89, Dav88, DF98, DS98, DL99, Ebe99, ES97, Eri92, FPW96, Fug99, FAI97, Gil88, Gla86, Gla89c, Gla89h, Gla89g, Gla91d, Gla92d, Gla92g, Gla93h, Gla94a, Gla94d, Gla94g, Gla94b, Gla95c, Gla95b, Gla96b, Gla96h, Gla97g, Gla98b, Gla99a, Gla99b, Gla00, Got93, HTO97, Har88a, Har99, HRS95, HHB+99, His98, Iso98, JNY84, Kam89, KB98, KMM89, LHC95, LvSL81, LR99, Leu97, LS98, Lip79, Lit80, Liu98, LJM96, LCZ98, Lut96, MB97, MA89, Mey88a, Mor99, Mur99, MO84, NC88, OSG98, Ozk97, Pfl99, PK89, Pla95, PC98a, PU84b, Rad84, RPL97, RS98, SC99, Sal80, Sca99, SS98, SMCL96, SH98, Sta99, SFM99, TC89b, Tha80, TT98, Tia99, Tom89, VM89, VB99, Wei79, Wey99, WCV+98, Wil89, WR99, Woo80, XH98, Zel88, ZLZ+96, Zwe90, Ano91b]. **Software** [Ano95h, Bas80, DB86, Gla88c, Gla91f, Gla98i, Got90, LAHS97, MA89, Qui94, VM89]. **Software-** [MP90]. **software-dependent** [Car99]. **Software-Engineering** [LAHS97]. **software-module** [Leu97]. **Solution** [BBG86, Chr86, Gla90e, MBCD86, RT86, Thi94]. **Solutions** [FN86]. **solved** [Ano91c, Gla91i, Gla98f]. **Solving** [Rod86, Gla89d, PA99]. **Some** [AM94, Bro81, Gla89g, Gla90a, Gla90f, Gla91h, Gla97i, Gla97h, HL94b, Sah94, ZX94, Lit80, PK89, BW80, Gla94e, Gla98i, LF98]. **Someone** [Gla92b, Lak93]. **Sorry** [Het95]. **Sort** [Krä91b]. **Sorting** [Ver89, Amm89]. **Source** [CR90, LTHR97]. **Space** [KA96, PM99, PA99, WHMP99]. **Space-efficient** [KA96]. **Spare** [VVS99].

Sparse [CBK96]. **spatial** [CL98]. **Spc** [DB86]. **Special** [CL81, CU98, Har90a, Sol87, Ano84c, Bas80, Bec86, Goe84, Har88a, JNY84, Pla95, FM90b]. **Specific** [DK94, Lam97, Pou95, TM97, GW95]. **Specification** [Ara95, Art87, BFR96, BMSB94, BBC+88, BS93, BST93, CL81, CGD+96, DA86, DR92, Fur93, HL98, JVP+98, JL97, Jma96, KD91, Krä91a, Kri93, Lai97a, LL97b, Liu93, LF96, Mil96b, MvS95, NC96, NS83, TKU93, VP92, Wal91, WSR+83, Ano93e, CLSC98, CL99, Jav88, LL99, Ost92, Rob98, RG79]. **Specification-based** [JVP+98]. **Specification-in-Large** [Ara95]. **Specifications** [AM81, Arm98, Bel91, BM93a, BCFG86, Coo90, DGM93, EC98, GMM90, GMP94, JvB83, Krä91b, LF98, Liu95, LCZ98, MG81, PU84a, Ura90, Ber98, FRF98, JMM99, MSHB98, OSG98, OL99, PU84b, TC89b]. **Specified** [BG96]. **Specifying** [CH83, Del92, OS87, Rec93, Sny91]. **Speedup** [BP86]. **splitting** [VVS99]. **Spreadsheet** [DK94, Lit90, NB93, ZR94]. **SPRINT** [FJ98]. **Stack** [Amm89, BKS85, CHB94]. **Stack-based** [Amm89]. **Stack-Heap** [BKS85]. **STAD** [Las90]. **Stages** [DLG96, Dav88]. **stand** [ST89]. **stand-alone** [ST89]. **Standard** [BBC+88, Bow84, Sch81, Rom98]. **Standardization** [Coh81]. **Standards** [Ano86d, Ano87f, Eng81, Fis81, Tre81, Mar81]. **Start** [RB93a]. **State** [BL98, Duv95, FN86, FG94, Har81, Het95, RBM95, PM99, Sto92, TS89]. **state-of-the-art** [Sto92]. **Stateful** [HMP99]. **Statement** [BGB90]. **States** [Chr86, TS89, Duv95]. **Static** [BL98, CMP85, SC88, TVK95]. **Stationary** [Mue86]. **Statistical** [Bro81, Dye93, FS88, KMO91]. **Statistics** [AH90]. **Status** [Mat86, Rav81, Ano95h, ZS95]. **STD** [Wal91, Coo81]. **Steady** [FN86]. **Steady-State** [FN86]. **Stennis** [SGL93]. **Step** [RA96, vC80]. **Stepwise** [Raj85]. **Stochastic** [FN86, KMMG91, KP97b, LM94, WSN92, vD93, HCC91]. **Storage** [Kus90, Maz81, ZK85, CB89a, MP94, WK88]. **story** [Gil88, Gla94d, Gla96d, Gla98c, Lai97d]. **Strange** [Gla96j]. **STRAPS** [Fai85a]. **strategic** [WC99]. **Strategies** [Eli92, FZ93, PMB99, Tar92, WR99]. **Strategy** [CW97, UH86, Zei88, HMC98, NDM80]. **Stream** [JO83]. **Stream-Oriented** [JO83]. **street** [Gla95j]. **Stress** [FAI94, FAI97]. **String** [Maz81, Cha93]. **Strings** [MS97]. **Strongly** [Gan91]. **Structural** [AR90, MP90, PL92, Poo93, WHL89]. **Structurally** [FM90a]. **Structure** [Arc81, BCD92, BY85, CG94, Gla95i, GR97, HU96, MK93, Tau80, BF96, HCC91]. **Structure-based** [Gla95i]. **Structure-Oriented** [CG94]. **Structured** [BC91, Fra90, Gla90a, IYKO95, Lee93, MGJT87, Sca88, TOYI95, TZ81, CC94, Gla91g]. **Structures** [JN84, YRN80, Tha80]. **Structuring** [Eva83]. **students** [Gla97e, SSvdW99]. **Studies** [PW92, Gla97l, Sol87]. **Study** [AH90, AR94, BGB90, BBP96, BMP97, DGM93, DJL93, Dol97, Duv95, EC98, FZ93, GK91a, Gla96h, Gor91, HO97, JVP+98, KMO91, MRW+94, PT91, Rv92, SN91, SAA93, Sed93, SW94b, Sta93b, SB88, TOYI95, TL95, TLPH95, Ulu95, Wic92, WSD81, AH88, BP80, BB89, DFCR96, GKP98, Gla89b, Gla97j, HLAB99, HBJ+99, Kar94, KR98, Lin99, MT98, RR98, RS98, Rob98, Rom98, SSvdW99, WM95, WHMP99, XH98]. **Style** [OC91, BB89]. **Subdomain** [MPS86]. **Subgraph** [BL98]. **Subgroup** [Sch81]. **Subject** [Ano80d, Ano81d, Ano84d, Ano85c, Ano86e, Ano87g, Ano88e, Ano89g, Ano89h, Ano90e, Ano91d, Ano92j, Ano93h, Ano94h, Ano95i,

Ano96n, Ano97l, Pha94]. **Subjective** [SL80]. **Subsets** [BT97, Gul96]. **Subsystem** [Lak97]. **Subway** [DGM93]. **Success** [SM92a, Gla96d, Gla98g, Gla98c, Lai97d, RS98]. **success/failure** [Gla98c]. **successes** [FN99]. **Successful** [OT92]. **successive** [BdADH94]. **Sufficient** [Hen88]. **suitable** [DF98]. **Suite** [YFY96, Li98, Li99]. **Summary** [Sca88, VM89]. **supercomputing** [GJP96]. **Support** [ARAS94, DR84, KB96, MP90, NS87, SW95b, TTP97, Chr99, DB95, Gla96c, GAWC91, LF91, LM96, MSHB98, Rey89, Rom99, SFM99]. **supported** [Bar94, BK95]. **Supporting** [DS98, TT93]. **supports** [Gla96h]. **Surface** [SF92]. **surprising** [Gla98i]. **Survey** [AM81, AM94, Rus90, CL99, De 97, Eri92, KY92, RST98]. **Switched** [PH93]. **Symbol** [Maz81]. **Symbolic** [CR85, Dil91, Fri83, CL98]. **Synchronizing** [KM89]. **Synchronous** [PH86]. **syndrome** [AH88]. **synergies** [JTW98]. **Syntactic** [Har88b]. **Syntax** [BDM+93, vEHvV89]. **Syntax-Directed** [BDM+93, vEHvV89]. **Synthesis** [CDJ+84, JS99, OK94, LJ99, OHBR90]. **synthetic** [Kam89]. **System** [Amm91, ARAS94, Bar92, BW96, BE81, BG96, Ber88, Bol97b, BAL81, BBØ96, CHB94, Coo81, DR84, Dam96, DK94, DF84, ES85, Fai85a, FC96, FK92, Hać86a, Haç89a, HJ90a, HJS91, Joy94, KS96, LO92, Loh84, Mai96, MS81, MBCD86, MG81, Mer87, MIH92, Moy96, NS87, OHK93, OT92, Pha94, Pla92, Pow86, PW92, Rec93, RB93b, RT93, RA96, RF84, SGL93, Sam93, SW94a, Sku91, Sne83, Stu83, SCK86, TC93, TKS95, TW95, Var91, Whe81, Wic92, WSR+83, WTS95, YNDS88, YCGH92, Zho94, ZM96, Zim84, vS83, vC80, Bak88, CB89a, DFCR96, Fic89, GAWC91, GAK92, HLAB99, HHL+97, JM96, Kar94, Kar98, Ken80, KJB97, KJ99, LHC95, LP93, LM96, Nec96, OHBR90, OBS79, PL99, PM94, PMB99, PP94, Rey89, Sal80, SW96, WC99, ZG97]. **Systems** [Art87, Bar86, BW83, Bha84, Blu86, BAL81, BT97, BM83, CL94, CZ91, CLO95, Col92, DS94, DR92, DLG96, DV94, Eli92, Emd91, FMP86, FSA87, FM90b, FM87, Fur93, GMM90, Gla92a, Gla96a, Gla97a, Gom94, Gom95, GC94, GDF86, Hać86b, Hać89b, HFK92, Jef91, Jos83, KO95, KB96, Ker92, KP93, Kor83, Kri93, KNT86, Lan98a, Lea95, Li99, LSD95, LVB+93, MW95, MR83, MO90, Mor86, MMSH92, MP90, Mue86, MP95, NC96, Nit96, OG80, PdC94, PdF97, PH86, PL96, Pop92, PZ94, Pre95, Rah92, RW97, Rei90a, RT86, Sag95, Sah94, SAASA94, San95, Sch91, Sel93, SKF95, She90, SM92a, Sta85, Sta90, SP94, SYB97, TT93, Ulu95, Ulu97, Ura90, WSN92, WNSC96, WM96, YP94, ZEB88, ZCd96, vS96, Bar94, CZdV98, Car94, ÇZUB99, CL99, Chu97]. **systems** [CDDF99, DMV98, DY99, DLT99, FW90, Gie79, Gla94a, Gla95c, Gla98b, Gla98g, Gla98h, Gla98d, Gla99a, Gla99b, Gla00, GP98, Hal92, Has98, Hoa94, HBJ+99, ISS98, Jia99, Kam89, KY92, Kor99b, KM89, Lai99, yLcY98, LS99, Mar81, MR99, MD89, NL99, NQ98, Ost92, PM99, PNK96, Pla95, RC89, RG79, SW95a, SZ98, ST89, SMCL96, SMU98, Sta99, TT98, TW98, TS89, TM98, TVK94, Ulu98, WSM+95, Wey99, WK88, WCV+98, WM99, ZS88, ZMAER99, ZZ88]. **systems-centric** [LS99].

Table [Har81]. **Table-Driven** [Har81]. **tables** [JC98]. **tabulation** [Ano94d, Gla94b]. **TACFIRE** [Sal80]. **Tale** [SM92a]. **tandem** [Kar94]. **Targeting** [AP97, Lut96]. **Tarilan** [De 98]. **TarTAn** [PL96]. **Task** [Kar98, DS98, PM99, TW98]. **Tasking** [Dil91, SC88]. **Tasks** [ML95, ZR87]. **Taxonomy** [BC94, GV92, OC91, TK87, Dav88, MC98, War89]. **Teaching** [Mur99, Tom89]. **team** [HS99]. **Technical** [ANB93, Ebe99, Sku91, KKiMT96]. **Technique**

[DG92, Hen88, KC96, KL96, LTT92, MvS95, Nit96, WK88, WCV+98, vdBK94].
Techniques
[BS93, FWD97, Lak97, MS97, Mil96b, Pan81, PS90, Rey80, Sel93, YRN80, Ano93e, CW89, Eri92, Kam95, Kor99a, Wey99].
Technologies
[Bas97, Gla98j, Sta93a, Ano96m].
Technology [APL95, Bro81, CFSS98, DA86, Gla88b, JVP+98, KS96, MR80, Par98, Rv93, ZC97, Zuc90b, DS98, DF99, Gla88a, Gla89b, Har97, Pfl99, Sai98, SSvdW99, WDMR99].
telecom [VVS99]. **Telecommunications** [Gas96]. **television** [Bra89]. **Template** [ZSGS93]. **Template/Module** [ZSGS93].
Temporal
[Jma96, UH96, Gla89i, MP94, PM94, VT99].
Tension [Gla89f]. **Tenth** [FM90b]. **Tenure** [AP97]. **termination** [MC98]. **Test** [BCFG86, Dye93, FLN91, LH90, MS81, OKOM97, Pas96, Sam93, Sed93, Tia96, Vel87, WHMP99, CLSC98, JF99, NS92, OL99].
Testability [VM93]. **Testable** [BL95].
Testing [Ber91, Ber93, BM96, BMP97, BM93b, Car96, CLSC98, DGM93, FZ93, Gla93g, Gla93i, HZ84, Har99, How80, JVP+98, JvB83, KGH+96, Las90, MG81, Mil96b, OH94, PBC93, Pla92, PU84a, SCK86, Zei88, FWH97, Jen99, Lai99, Leu97, PU84b, WHL89, WM95]. **Texas** [CR89, MP89]. **Text** [Fis91, Ree85, TOYI95].
Text-Oriented [TOYI95]. **Texts** [Yan94].
Textual [HG91, Sny91]. **Their** [AR94, Ber93, Car96, LVB+93, MD91, Eri92, SW88].
theoretic [MJ89]. **Theory**
[Gla90h, KAL97, KP93, yL98, Rv91, Ano94d, BM89, CTZ92, Gla89i, Gla94b, Gla95b, LJ99, Gla93c, Gla94f, Gla94h].
Theory-Based [KAL97]. **There** [Gla90d, Gla91h, Gla95f, Gla97g, Gla95f].
things [Gla90f]. **think** [Gla93h]. **thoughts** [Gla89g, Gla94e, Gla97i, Gla97h]. **Thread** [ISS98]. **threads** [WCV+98]. **Threat** [Rei90b, Zuc90a]. **Three**
[MPS86, SI94, ZMAER99].
Three-Dimensional [MPS86, ZMAER99].
thriving [Gla97b]. **throughout** [Tia99].
Time [AQ90, BP86, CL94, Chr86, Cla86, CRV94, GMM90, GMP94, Gla91e, Gom89, Gom94, GRS92, HW94, HFK92, wLyLlH97, LM94, Leu92, LH95, ML95, NC96, OG80, OK94, PZ94, Rei90a, Ulu95, Ulu97, WM96, Yua90, ZCd96, ZR87, BFR96, BG98, Bak88, CKyL98, DMV98, DY99, Gla97g, Hal92, Hoa94, KY92, KR98, Kor99b, KKiMT96, yL98, yLcY98, LF91, LP93, MO84, Ost92, Ozk97, PNK96, RG79, SBB98, Sto92, Ulu98, VT98, VT99, XH98, ZLZ+96]. **time-critical** [Ozk97, SBB98]. **time-honored** [Gla97g].
Time/Cost [LM94]. **Timed**
[Chr86, FZHS95, LVB+93, WM96, JS99].
Timed-Event [Chr86].
Timed-Probabilistic [FZHS95]. **Timing** [GMP94, PdF97, Sah94, VT98]. **TIMS** [SGL93]. **Token** [TW95]. **Token-Based** [TW95]. **Tolerance**
[Ban86, Fri90, KN97, KP93, SAASA94, WWF94, ZX94, Hoa94, Shu99]. **Tolerant** [BW95, CG94, DG92, MS90, Mor86, Mue86, OK94, PdC94, Ram90, WTS95, WFZ96, JM96, LFY+99, SMCL96, ZG97]. **tongue** [Gla91g]. **tongue-in-cheek** [Gla91g]. **too** [Mor99]. **Tool** [BN90, Bro87, FS88, FM93, FG93, GA95, IYKO95, LZL97, ML95, NY84, NB93, OC90, Rei90a, Rid81, TTP97, HLAB99, Rey89, Son93]. **toolkit** [Rob98, TCMJ98]. **Tools**
[AM85, BYY87, Hen95, HO96, JP94, KP91, TKS95, TM97, Zim84, vAW93, Ano88d, DS98, Eri92, Ni97, PKK98, TCMJ98].
Toolset [WH91b, MSHB98]. **Top** [MM81, Gla97j]. **Top-Down** [MM81]. **Topic** [Gla92a]. **topics** [Ano94d, Gla94b].
Traceability [DF84, OC90, Ni97]. **Tracing** [LK93]. **Tracking** [Tia96]. **Tractable** [Nit96]. **Trade** [GA95, Rec93]. **Trade-Offs** [GA95]. **Traditional** [GC94, Jac98]. **Traffic** [PH93, PV94, VVS99]. **Training**

[AP97, BN90, MP89, MMSH92, Rus90, Sai99]. **Transaction** [KR98, KW91, KW93, Lai97a, Rah92, RW97, SW94a, Ulu95, Ulu98]. **Transactions** [BR90, HW94, ZM96, KWME99]. **Transfer** [Gla88b, HJ91, JVP+98, Par98, Gla88a, Pfl99, Sai98]. **Transferring** [HBCC94]. **Transformation** [GA95, Lan98b]. **Transformational** [MB84]. **Transformations** [AR94]. **transition** [Dav95]. **Transitive** [Fra86]. **Translation** [JN84, UhCLS94]. **Translator** [HL93]. **Translator-Based** [HL93]. **transmission** [Ng99]. **transparency** [DFCR96]. **Transport** [Fai85a]. **Transporting** [BP80]. **Transposition** [HP92]. **Transputer** [Row86, YY93]. **Transputer-Based** [YY93]. **trash** [Gla98f]. **Tree** [LH83, CV95]. **Trees** [PS90, BF96, LM96, WH99]. **trends** [Ano95h, Har98, ZS95]. **Triad** [Zim84]. **Triangular** [RT86]. **TRIO** [GMM90]. **trivial** [Gla89d]. **trivial/brilliant** [Gla89d]. **truly** [Gla89c]. **Trusted** [RT93]. **Tuning** [LZL97]. **Tunisian** [FM90b]. **Tunisian-French** [FM90b]. **tuple** [PA99]. **tuple-space** [PA99]. **Turning** [Gla95j]. **TutORing** [KP97a]. **Two** [CFK91, Chr86, DHP86, Gla97k, KCK+98, MF90, MRW+94, Sah94, SM92a, TC93, Ulu95, ZMAER99, HY95, Kar94]. **Two-Axis** [Sah94]. **Two-Disk** [TC93]. **Two-Person** [KCK+98]. **two-phase** [HY95]. **Two-Version** [CFK91]. **Type** [Bel91]. **Typed** [Gan91]. **typology** [KJB97].

U.S. [Sny79, Tha80, Zuc90b]. **UK** [TE99]. **unbalanced** [PV94]. **Unbounded** [FN86]. **Unconstrained** [Ber93]. **undergraduate** [SSvdW99]. **Understanding** [AH88, Gla93d, GA95, Lak93, Leh80, LF96, Pfl99, BM89, FTAM99]. **Understands** [Gla92b]. **unethical** [FF89]. **Unified** [BFR96, Gon95, Lak97, Mai96]. **Uniform** [WWF94]. **Unique** [Gla97f]. **United** [Duv95]. **Units** [Joy87, BM98]. **university** [MBL+99, Bra89, CR89, Mil89]. **UNIX** [WLC95, Bar86]. **Unix-Based** [Bar86]. **UNIX**^{TM} [Ni97]. **unsolved** [Ano91c, Gla91i]. **Updating** [FS91]. **Usability** [HHSR94, NL99, SKF95]. **Usage** [BAH96, CM93, WH91a]. **Use** [AB90, ARAS94, BGB90, Got92b, HZ83, Ham81, JM90, Kal92, KML94, MGJT87, RBM95, SL80, SB88, YN91, Bev99, GP98, JNY84, Rob98]. **used** [CB89a, Tha80]. **User** [BAL81, CM93, Deh90, GK91b, HHSR94, Hur93, KJ99, KC98, LG97, RAC90, Rei87, Rv91, Bev99, PL94, Gla94i]. **User-Computer** [GK91b]. **User-oriented** [Rv91]. **Users** [AH81, Moy96]. **uses** [FWH97]. **Using** [BST93, BCFG86, CL81, Cha91, DGM93, DJL93, DS85, FC96, FWP93, FWD97, FAS94, GI95, Gor91, Hać86a, HJ90a, Har90a, HOT97, HG91, HS99, HUMT92, Jma96, Joy87, KB98, KD91, KP93, Lai97a, Lai97c, LL97a, Lee93, LTT92, Mar84, MB97, MTW97, OC90, PD98, Por93, Rv91, Rv92, Sca88, SG91, Sch91, Sta90, TC93, Uck91, WH99, WNHM86, CC99b, CDDF99, HCC91, HB89, JS99, Lai95, yLcY98, LH98, LM96, LJM96, NS92, PNK96, VVS99]. **Utility** [AH90, Rv91]. **utilization** [PNK96, Zel88]. **utilizing** [ES97].

Vadis [MWH97]. **Validated** [Hać89b]. **Validating** [GMP94, LH95]. **Validation** [BS93, EC98, Pas96, Ano93e]. **Value** [Gon95]. **valued** [VL94]. **VDM** [BM93a]. **Verification** [BS93, Dil91, EC98, GC94, JL97, KO95, LL97a, LF96, NS92, Nit96, Nit98, NS83, TK91, Ano93e, HZ79, HHZ92, JC98, OBS79]. **Verify** [LL98]. **verifying** [Lai97d]. **Verrall** [Lit80]. **Version** [CFK91, Pha94, EL88]. **versus** [Gla90h, ZS88]. **Very** [ZR94, Wey99]. **via** [Ano87d, BB89, Gla86, SMU98, TVK95]. **video** [Ng99]. **View** [Gla97m, LIC92, HR95,

OSG98, SBA97, VC97]. **Viewed** [Del92]. **Views** [Lan90, TKU93, Uck91]. **Violence** [SM92b]. **Virtual** [LTT92]. **Virus** [DG87, Gla89e]. **viruses** [Thi94]. **visibility** [OBS79]. **Visual** [Kun95, Ng93, WM90, DB95]. **Visualization** [KM92, MTW97]. **visualize** [KB98]. **vital** [Ano88d]. **VLSI** [CDJ+84, HHZ92, HD84, KSS84, MB84, Rad84, RT86]. **Volume** [Ano97m, Ano97n, Ano97o, Ano98f, Blu89, Ano85a, Ano85c]. **Voting** [JT97]. **Vs** [Sca88, BBP96, FWH97, Gla91c, Rei90b, Zuc90b, Zuc90a].

warning [Gla98e]. **Way** [Gla92h, Wey99]. **Weapon** [Coo81, Stu83, Gie79, Sal80]. **Web** [HMP99, KWME99]. **Webwork** [Gla98d]. **We'd** [OT92]. **Well** [Hen88, LS98]. **Well-Known** [Hen88]. **WEP** [CP88]. **We're** [Zuc90b]. **we've** [Gla93f]. **Where** [Gla92b, Ano94d, FF96, Gla94b]. **Which** [Gla93i, Gla93h]. **While** [Hen88]. **White** [HZ84, WL99]. **Who** [Gla92b, Gla98j, Har95a]. **Who's** [Gla88c]. **Wide** [HMP99]. **Will** [Par98, Gla93h]. **Willingness** [YN91]. **WINDOWS**^{TM} [Ni97]. **Wire** [DV94]. **wisdom** [JC98]. **Within** [SF92, BC94, Sed93]. **without** [JC98, KK85]. **Women** [CFSS98]. **word** [Gla94d, Gla98e]. **Work** [Tau80, WT89]. **Workload** [HFK92, Rah92]. **Workshop** [Ano84c, Goe84, Har90b, Got90, Sch81]. **workspace** [GAW92]. **workstation** [CP88]. **Workstations** [Sho91]. **world** [SSvdW99, HMP99]. **worst** [Gla92d]. **Write** [Hać91, CB89a, DF98, Gla93a, Gla94e]. **write-once** [CB89a]. **Writes** [FC96]. **Written** [WNHM86]. **wrong** [Ano87h]. **WWW** [CJP98]. **WWW-based** [CJP98].

X [CM86]. **X-MP** [CM86].

Y2K [Gla98f, Gla98k]. **year** [Gla89b]. **Years** [Blu86, Bux90, Sta93a, Gla97k].

Zero [CL97]. **Zero-One** [CL97]. **Ziegler** [CBK96]. **ZONE** [UH96]. **Zucconi** [Rei90b, Zuc90b, Zuc90a].

References

Alherbish:1998:HPA

[AA98] Jasir Alherbish and Reda Ammar. High-performance Arabic character recognition. *The Journal of Systems and Software*, 44(1):53–71, December 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/44/1/6071.pdf`.

Aguilera:1990:URP

[AB90] Christine Aguilera and Daniel M. Berry. The use of a repeated phrase finder in requirements extraction. *The Journal of Systems and Software*, 13(3):209–230, November 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Achee:1997:COO

[AC97] B. L. Achee and Doris L. Carver. Creating object-oriented designs from legacy FORTRAN code. *The Journal of Systems and Software*, 39(2):179–194, November 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ambriola:1991:TIS

[ACCD91] Vincenzo Ambriola, Paolo Ciancarini, Andrea Corradini, and

Nicoletta DeFrancesco. Towards innovative software engineering environments. *The Journal of Systems and Software*, 14(1):17–29, January 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Andersson:1996:OIA

[AF96] Niclas Andersson and Peter Fritzson. Overview and industrial application of code generator generators. *The Journal of Systems and Software*, 32 (3):185–214, March 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ahituv:1981:DRC

[AH81] Niv Ahituv and Jonathan Halpern. Data and reports — contents design and users allocation. *The Journal of Systems and Software*, 2(3):193–199, September 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Abdel-Hamid:1988:USS

[AH88] Tarek K. Abdel-Hamid. Understanding the "90% syndrome" in software project management: a simulation-based case study. *The Journal of Systems and Software*, 8(4):319–330, September 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Abdel-Hamid:1990:UHP

[AH90] Tarek K. Abdel-Hamid. On the utility of historical project statistics for cost and schedule estimation: Results from a simulation-based case study. *The Journal of Systems and Software*, 13(1):71–82, September 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Abdel-Hamid:1993:MPS

[AH93] Tarek K. Abdel-Hamid. A multiproject perspective of single-project dynamics. *The Journal of Systems and Software*, 22(3): 151–165, September 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Al-Haddad:1993:IIM

[AHG93] H. M. Al-Haddad and K. M. George. An implementation inheritance model for object-oriented programming. *The Journal of Systems and Software*, 20(1):3–17, January 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Al-Haddad:1992:FIM

[AHGS92] H. M. Al-Haddad, K. M. George, and M. H. Samadzadeh. A feedback inheritance model. *The Journal of Systems and Software*, 18(3):219–234, July 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Alonso:1996:SEK

[AJMP96] F. Alonso, N. Juristo, J. L. Maté, and J. Pazos. Software engineering and knowledge engineering: Towards a common life cycle. *The Journal of Systems and Software*, 33(1):65–79, April 1996.

CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Abbott:1981:SRS

[AM81] Russell J. Abbott and D. K. Moorhead. Software requirements and specifications: a survey of needs and languages. *The Journal of Systems and Software*, 2(4):297–316, December 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ambriola:1985:AGE

[AM85] Vincenzo Ambriola and Carlo Montangero. Automatic generation of execution tools in a Gandalf environment. *The Journal of Systems and Software*, 5(2): 155–171, May 1985. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Azuma:1994:SMP

[AM94] Motoei Azuma and David Mole. Software management practice and metrics in the European community and Japan: Some results of a survey. *The Journal of Systems and Software*, 26(1): 5–18, July 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ambler:1987:EFL

[Amb87] Allen L. Ambler. Experience with a functionally layered multicomputer architecture for interactive processing. *The Journal of Systems and Software*, 7(4): 267–277, December 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ammar:1989:SBS

[Amm89] Reda A. Ammar. Stack-based sorting algorithms. *The Journal of Systems and Software*, 9 (3):225–239, March 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ammar:1991:CAD

[Amm91] Reda A. Ammar. A computer aided design system to develop high performance software. *The Journal of Systems and Software*, 15(2):139–147, May 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Arthur:1993:ESD

[ANB93] James D. Arthur, Richard E. Nance, and Osman Balci. Establishing software development process control: Technical objectives, operational requirements, and the foundational framework. *The Journal of Systems and Software*, 22(2):117–128, August 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1979:B

[Ano79] Anonymous. Biography. *The Journal of Systems and Software*, 1(1):103–104, ???? 1979. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1980:AI

[Ano80a] Anonymous. Author index. *The Journal of Systems and Software*, 1(4):347–348, ???? 1980. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1980:Ba

[Ano80b] Anonymous. Biography. *The Journal of Systems and Software*, 1(2):177–178, ???? 1980. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1980:Bb

[Ano80c] Anonymous. Biography. *The Journal of Systems and Software*, 1(3):267–269, ???? 1980. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1980:SI

[Ano80d] Anonymous. Subject index. *The Journal of Systems and Software*, 1(4):349, ???? 1980. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1981:AI

[Ano81a] Anonymous. Author index. *The Journal of Systems and Software*, 2(4):381, December 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1981:Ba

[Ano81b] Anonymous. Biographies. *The Journal of Systems and Software*, 2(1):81–82, February 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1981:Bb

[Ano81c] Anonymous. Biographies. *The Journal of Systems and Software*, 2(4):379–380, December 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1981:SI

[Ano81d] Anonymous. Subject index. *The Journal of Systems and Software*, 2(4):383, December 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1983:EI

[Ano83] Anonymous. Editor's introduction. *The Journal of Systems and Software*, 3(4):iii–iv, December 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1984:AI

[Ano84a] Anonymous. Author index. *The Journal of Systems and Software*, 4(4):333, November 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1984:B

[Ano84b] Anonymous. Biographies. *The Journal of Systems and Software*, 4(2–3):265, July 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1984:ISI

[Ano84c] Anonymous. Introduction to the special issue on the Fifth Minnowbrook Workshop on Software Performance Evaluation. *The*

Journal of Systems and Software, 4(4):iii–v, November 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1984:SI

[Ano84d] Anonymous. Subject index. *The Journal of Systems and Software*, 4(4):335, November 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1985:AIV

[Ano85a] Anonymous. Author index to volume 5. *The Journal of Systems and Software*, 5(4):305, November 1985. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1985:B

[Ano85b] Anonymous. Biographies. *The Journal of Systems and Software*, 5(4):303, November 1985. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1985:SIV

[Ano85c] Anonymous. Subject index to volume 5. *The Journal of Systems and Software*, 5(4):307, November 1985. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1986:AI

[Ano86a] Anonymous. Author index. *The Journal of Systems and Software*, 6(4):393, November 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1986:EC

[Ano86b] Anonymous. Editor's corner. *The Journal of Systems and Software*, 6(1–2):3, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1986:E

[Ano86c] Anonymous. From the Editor. *The Journal of Systems and Software*, 6(1–2):1, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1986:SSM

[Ano86d] Anonymous. Setting standards in mainframe applications software. *The Journal of Systems and Software*, 6(3):295–305, August 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1986:SI

[Ano86e] Anonymous. Subject index. *The Journal of Systems and Software*, 6(4):391, November 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1987:AI

[Ano87a] Anonymous. Author index. *The Journal of Systems and Software*, 7(4):371, December 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1987:Ba

[Ano87b] Anonymous. Biographies. *The Journal of Systems and Software*, 7(1):85, March 1987. CO-

DEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1987:Bb

[Ano87c] Anonymous. Biographies. *The Journal of Systems and Software*, 7(4):370, December 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1987:ECN

[Ano87d] Anonymous. Editor's corner: No silver bullet: a look at software research via the Fred Brooks article. *The Journal of Systems and Software*, 7(3):181–182, September 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1987:HWP

[Ano87e] Anonymous. hould we prepare for a 4GL future? *The Journal of Systems and Software*, 7(1): 1–2, March 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1987:SED

[Ano87f] Anonymous. Standards and enforcers: Do they really help achieve software quality? *The Journal of Systems and Software*, 7(2):87–88, June 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1987:SI

[Ano87g] Anonymous. Subject index. *The Journal of Systems and Software*, 7(4):372, December 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1987:WRW

[Ano87h] Anonymous. What's really wrong with COBOL? *The Journal of Systems and Software*, 7(4):251–252, December 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1988:AI

[Ano88a] Anonymous. Author index. *The Journal of Systems and Software*, 8(5):434, December 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1988:Ba

[Ano88b] Anonymous. Biographies. *The Journal of Systems and Software*, 8(3):255, June 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1988:Bb

[Ano88c] Anonymous. Biographies. *The Journal of Systems and Software*, 8(5):431, December 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1988:MVL

[Ano88d] Anonymous. A mundane but vital look at software tools. *The Journal of Systems and Software*, 8(2):75–76, March 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1988:SI

[Ano88e] Anonymous. Subject index. *The Journal of Systems and Software*,

8(5):433, December 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1989:AIa

[Ano89a] Anonymous. Author index. *The Journal of Systems and Software*, 9(4):314, May 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1989:AIb

[Ano89b] Anonymous. Author index. *The Journal of Systems and Software*, 10(4):289, November 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1989:Ba

[Ano89c] Anonymous. Biographies. *The Journal of Systems and Software*, 9(4):311, May 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1989:Bb

[Ano89d] Anonymous. Biographies. *The Journal of Systems and Software*, 10(2):155–156, September 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1989:Bc

[Ano89e] Anonymous. Biographies. *The Journal of Systems and Software*, 10(3):227, October 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1989:Bd

[Ano89f] Anonymous. Biographies. *The Journal of Systems and Software*, 10(4):285–286, November 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1989:SIa

[Ano89g] Anonymous. Subject index. *The Journal of Systems and Software*, 9(4):313, May 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1989:SIb

[Ano89h] Anonymous. Subject index. *The Journal of Systems and Software*, 10(4):287–288, November 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1990:AI

[Ano90a] Anonymous. Author index. *The Journal of Systems and Software*, 13(3):239–241, November 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1990:Ba

[Ano90b] Anonymous. Biographies. *The Journal of Systems and Software*, 11(1):75, January 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1990:Bb

[Ano90c] Anonymous. Biographies. *The Journal of Systems and Software*, 11(3):225–226, March 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1990:ECM

[Ano90d] Anonymous. Editor's corner: Mikhail Gorbachev and software productivity (!?). *The Journal of Systems and Software*, 13(3): iii–viii, November 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1990:SI

[Ano90e] Anonymous. Subject index. *The Journal of Systems and Software*, 13(3):237–238, November 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1991:AI

[Ano91a] Anonymous. Author index. *The Journal of Systems and Software*, 16(3):265–266, November 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1991:ECSb

[Ano91b] Anonymous. Editor's corner: Software productivity: What is management's role? *The Journal of Systems and Software*, 16(3):i–iv, November 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1991:ECSa

[Ano91c] Anonymous. Editor's corner: The (solved, unsolved) problem of literature searches. *The Journal of Systems and Software*, 15 (3):iii–v, July 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1991:SI

[Ano91d] Anonymous. Subject index. *The Journal of Systems and Software*, 16(3):267–268, November 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1992:AI

[Ano92a] Anonymous. Author index. *The Journal of Systems and Software*, 19(3):291–292, November 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1992:Ba

[Ano92b] Anonymous. Biographies. *The Journal of Systems and Software*, 18(1):109, April 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1992:Bb

[Ano92c] Anonymous. Biographies. *The Journal of Systems and Software*, 18(2):201–202, May 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1992:CPA

[Ano92d] Anonymous. Calls for papers and announcements. *The Journal of Systems and Software*, 18 (3):287–288, July 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1992:CC

[Ano92e] Anonymous. Controversy corner. *The Journal of Systems and Software*, 18(1):101, April 1992. CO-

DEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1992:ECIa

[Ano92f] Anonymous. Editor's corner: The importance of software quality in the 1990s. *The Journal of Systems and Software*, 17(3): ii–iv, March 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1992:ECIb

[Ano92g] Anonymous. Editor's corner: The importance of the application domain cluster. *The Journal of Systems and Software*, 18 (3):iii–iv, July 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1992:RCa

[Ano92h] Anonymous. Readers' corner. *The Journal of Systems and Software*, 17(2):107, February 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1992:RCb

[Ano92i] Anonymous. Readers' corner. *The Journal of Systems and Software*, 18(1):1–2, April 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1992:SI

[Ano92j] Anonymous. Subject index. *The Journal of Systems and Software*, 19(3):293–294, November 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1993:AI

[Ano93a] Anonymous. Author index. *The Journal of Systems and Software*, 23(3):276, December 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1993:CPa

[Ano93b] Anonymous. Call for papers. *The Journal of Systems and Software*, 20(1):101–102, January 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1993:CPb

[Ano93c] Anonymous. Call for papers. *The Journal of Systems and Software*, 22(2):147–148, August 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1993:CPc

[Ano93d] Anonymous. Call for papers. *The Journal of Systems and Software*, 22(3):225, September 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1993:ECA

[Ano93e] Anonymous. Editor's corner: Applying specification, verification, and validation techniques. *The Journal of Systems and Software*, 21(3):i–iii, June 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1993:ECD

[Ano93f] Anonymous. Editor's corner: In defense of adhocracy. *The Jour-*

nal of Systems and Software, 22 (3):i–ii, September 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1993:GEI

[Ano93g] Anonymous. Guest Editor's introduction. *The Journal of Systems and Software*, 20(3):i–iii, March 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1993:SI

[Ano93h] Anonymous. Subject index. *The Journal of Systems and Software*, 23(3):277–278, December 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1994:AI

[Ano94a] Anonymous. Author index. *The Journal of Systems and Software*, 27(3):253–254, December 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1994:Ba

[Ano94b] Anonymous. Biographies. *The Journal of Systems and Software*, 27(1):69–70, October 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1994:Bb

[Ano94c] Anonymous. Biographies. *The Journal of Systems and Software*, 27(2):155–156, November 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1994:ECT

[Ano94d] Anonymous. Editor's corner: a tabulation of topics where software practice leads software theory. *The Journal of Systems and Software*, 25(3):i–ii, June 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1994:ECD

[Ano94e] Anonymous. Editor's corner: discipline and creativity: an odd couple. *The Journal of Systems and Software*, 26(3):i–ii, September 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1994:GEC

[Ano94f] Anonymous. Guest Editors' corner. *The Journal of Systems and Software*, 27(3):i–ii, December 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1994:GEI

[Ano94g] Anonymous. Guest Editor's introduction. *The Journal of Systems and Software*, 24(3):i–ii, March 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1994:SI

[Ano94h] Anonymous. Subject index. *The Journal of Systems and Software*, 27(3):255–256, December 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1995:AI

[Ano95a] Anonymous. Author index. *The Journal of Systems and Software*, 31(3):277–278, December 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1995:Ba

[Ano95b] Anonymous. Biographies. *The Journal of Systems and Software*, 29(2):195–196, May 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1995:Bb

[Ano95c] Anonymous. Biographies. *The Journal of Systems and Software*, 29(3):271–272, June 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1995:Bc

[Ano95d] Anonymous. Biographies. *The Journal of Systems and Software*, 30(1–2):164–166, July/August 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1995:Bd

[Ano95e] Anonymous. Biographies. *The Journal of Systems and Software*, 30(3):303–304, September 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1995:Be

[Ano95f] Anonymous. Biographies. *The Journal of Systems and Software*, 31(1):93, October 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1995:Bf

[Ano95g] Anonymous. Biographies. *The Journal of Systems and Software*, 31(2):181, November 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1995:GEC

[Ano95h] Anonymous. Guest Editors' corner: Software reuse: Current status and trends. *The Journal of Systems and Software*, 30(3):i–ii, September 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1995:SI

[Ano95i] Anonymous. Subject index. *The Journal of Systems and Software*, 31(3):279–280, December 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1996:AI

[Ano96a] Anonymous. Author index. *The Journal of Systems and Software*, 35(3):223–224, December 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1996:Ba

[Ano96b] Anonymous. Biographies. *The Journal of Systems and Software*, 32(1):97–98, January 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1996:Bb

[Ano96c] Anonymous. Biographies. *The Journal of Systems and Software*, 32(2):181, February 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1996:Bc

[Ano96d] Anonymous. Biographies. *The Journal of Systems and Software*, 32(3):309–310, March 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1996:Bd

[Ano96e] Anonymous. Biographies. *The Journal of Systems and Software*, 33(1):109–110, April 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1996:Be

[Ano96f] Anonymous. Biographies. *The Journal of Systems and Software*, 33(2):203–204, May 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1996:Bf

[Ano96g] Anonymous. Biographies. *The Journal of Systems and Software*, 33(3):329–330, June 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1996:Bg

[Ano96h] Anonymous. Biographies. *The Journal of Systems and Software*, 34(1):83–84, July 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1996:Bh

[Ano96i] Anonymous. Biographies. *The Journal of Systems and Software*, 34(2):171–172, August 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1996:Bi

[Ano96j] Anonymous. Biographies. *The Journal of Systems and Software*, 34(3):255–256, September 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1996:Bj

[Ano96k] Anonymous. Biographies. *The Journal of Systems and Software*, 35(1):91–92, October 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1996:Bk

[Ano96l] Anonymous. Biographies. *The Journal of Systems and Software*, 35(2):165–166, November 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1996:CPE

[Ano96m] Anonymous. Call for papers evaluation of reverse engineering and reengineering technologies. *The Journal of Systems and Software*, 33(3):331, June 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1996:SI

[Ano96n] Anonymous. Subject index. *The Journal of Systems and Software*, 35(3):225–226, December 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1997:AI

[Ano97a] Anonymous. Author index. *The Journal of Systems and Software*, 39(3):293–294, December 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1997:Ba

[Ano97b] Anonymous. Biographies. *The Journal of Systems and Software*, 36(2):201–202, February 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1997:Bb

[Ano97c] Anonymous. Biographies. *The Journal of Systems and Software*, 36(3):315–316, March 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1997:Bc

[Ano97d] Anonymous. Biographies. *The Journal of Systems and Software*, 37(1):97–98, April 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1997:Bd

[Ano97e] Anonymous. Biographies. *The Journal of Systems and Software*, 37(2):175, May 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1997:Be

[Ano97f] Anonymous. Biographies. *The Journal of Systems and Software*, 38(1):103–104, July 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1997:Bf

[Ano97g] Anonymous. Biographies. *The Journal of Systems and Software*, 38(2):193–194, August 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1997:Bg

[Ano97h] Anonymous. Biographies. *The Journal of Systems and Software*, 38(3):279–280, September 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1997:Bh

[Ano97i] Anonymous. Biographies. *The Journal of Systems and Software*, 39(1):89–90, October 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1997:Bi

[Ano97j] Anonymous. Biographies. *The Journal of Systems and Software*, 39(2):195–196, November 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1997:Bj

[Ano97k] Anonymous. Biographies. *The Journal of Systems and Software*, 39(3):291–292, December 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1997:SI

[Ano97l] Anonymous. Subject index. *The Journal of Systems and Software*, 39(3):295–299, December 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1997:VCa

[Ano97m] Anonymous. Volume contents. *The Journal of Systems and Software*, 37(3):265–266, June 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1997:VCb

[Ano97n] Anonymous. Volume contents. *The Journal of Systems and Software*, 38(3):281–283, September 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1997:VCc

[Ano97o] Anonymous. Volume contents. *The Journal of Systems and Software*, 39(3):301–302, December 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1998:Ba

[Ano98a] Anonymous. Biographies. *The Journal of Systems and Software*, 40(1):89–90, January 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1998:Bb

[Ano98b] Anonymous. Biographies. *The Journal of Systems and Software*, 40(2):185–186, February 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1998:Bc

[Ano98c] Anonymous. Biographies. *The Journal of Systems and Software*, 40(3):297–299, March 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1998:Ec

[Ano98d] Anonymous. Editorial. *The Journal of Systems and Software*, 42(1):1–2, July 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1998:Ej

[Ano98e] Anonymous. Editorial. *The Journal of Systems and Software*, 44(2):85–86, December 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1998:VC

[Ano98f] Anonymous. Volume contents. *The Journal of Systems and Software*, 40(3):300–302, March 1998. CODEN JSSODM. ISSN

0164-1212 (print), 1873-1228 (electronic).

Anonymous:1999:Ea

[Ano99a] Anonymous. Editorial. *The Journal of Systems and Software*, 44(3):169–170, January 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1999:Eb

[Ano99b] Anonymous. Editorial. *The Journal of Systems and Software*, 45(1):1–2, February 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1999:Ec

[Ano99c] Anonymous. Editorial. *The Journal of Systems and Software*, 45(2):79–80, March 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1999:Ed

[Ano99d] Anonymous. Editorial. *The Journal of Systems and Software*, 45(3):173–175, March 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1999:Ee

[Ano99e] Anonymous. Editorial. *The Journal of Systems and Software*, 46(2–3):89, April 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1999:Ef

[Ano99f] Anonymous. Editorial. *The Journal of Systems and Software*, 47(2–3):71–72, July 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1999:Eg

[Ano99g] Anonymous. Editorial. *The Journal of Systems and Software*, 47(2–3):73, July 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Anonymous:1999:Eh

[Ano99h] Anonymous. Editorial(s). *The Journal of Systems and Software*, 48(1):1–3, August 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/37/17/17/; http://www.elsevier.nl/gej-ng/10/29/11/37/17/17/article.pdf`.

Anonymous:1999:El

[Ano99i] Anonymous. Editorial(s). *The Journal of Systems and Software*, 48(2):77–78, October 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/37/23/17/; http://www.elsevier.nl/gej-ng/10/29/11/37/23/17/article.pdf`.

Anonymous:1999:En

[Ano99j] Anonymous. Editorial(s). *The Journal of Systems and Software*, 48(3):163–164, November 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/`

29/11/37/24/; http://www.elsevier.nl/gej-ng/10/29/11/37/24/17/article.pdf.

Anonymous:1999:Ep

[Ano99k] Anonymous. Editorial(s). *The Journal of Systems and Software*, 49(1):1–2, December 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL http://www.elsevier.nl/gej-ng/10/29/11/46/25/25/article.pdf; http://www.elsevier.nl/gej-ng/10/29/11/46/25/abstract.html.

Anonymous:1999:Er

[Ano99l] Anonymous. Editorial(s). *The Journal of Systems and Software*, 49(1):87, December 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL http://www.elsevier.nl/gej-ng/10/29/11/46/25/33/article.pdf; http://www.elsevier.nl/gej-ng/10/29/11/46/25/abstract.html.

Agarwal:1997:TCP

[AP97] Ritu Agarwal and Jayesh Prasad. Targeting COBOL programmers for C training: The role of job insecurity and organizational tenure. *The Journal of Systems and Software*, 37(1):5–17, April 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ahrens:1995:SPR

[APL95] Judith D. Ahrens, Noah Prywes, and Evan Lock. Software process reengineering: Toward a new generation of CASE technology. *The Journal of Systems and Software*, 30(1–2):71–84, July/August 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ammar:1990:ADT

[AQ90] Reda A. Ammar and Bin Qin. An approach to derive time costs of sequential computations. *The Journal of Systems and Software*, 11(3):173–180, March 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Adamov:1990:PMS

[AR90] Rade Adamov and Lutz Richter. A proposal for measuring the structural complexity of programs. *The Journal of Systems and Software*, 12(1):55–70, April 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Abran:1994:FPS

[AR94] Alain Abran and Pierre N. Robillard. Function points: a study of their measurement processes and scale transformations. *The Journal of Systems and Software*, 25(2):171–184, May 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Arafeh:1995:GGM

[Ara95] Bassel R. Arafeh. A graph grammar model for concurrent and distributed software specification-in-large. *The Journal of Systems and Software*, 31

(1):7–32, October 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ashqar:1994:UGS

[ARAS94] Abdelhaleem Ashqar, Brian J. Reithel, Milam W. Aiken, and Ashraf Shirani. Use of a group support system to evaluate management information system effectiveness. *The Journal of Systems and Software*, 24(3):267–275, March 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Archibald:1981:ESE

[Arc81] Jerry L. Archibald. External structure: Experience with an automated module interconnection language. *The Journal of Systems and Software*, 2(2):147–157, June 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Armstrong:1998:IIG

[Arm98] Jim Armstrong. Industrial integration of graphical and formal specifications. *The Journal of Systems and Software*, 40 (3):211–225, March 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Arthur:1987:TFS

[Art87] James D. Arthur. Toward a formal specification of menu-based systems. *The Journal of Systems and Software*, 7(1):73–82, March 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Arunachalam:1996:CPP

[AS96] Vairam Arunachalam and William Sasso. Cognitive processes in program comprehension: An empirical analysis in the context of software reengineering. *The Journal of Systems and Software*, 34(3):177–189, September 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Al-Saqabi:1996:RCF

[ASSA96] Khaled Al-Saqabi, Kassem Saleh, and Imtiaz Ahmad. Recovery from concurrent failures in communication protocols. *The Journal of Systems and Software*, 35(1):55–65, October 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Azadegan:1997:PJA

[AT97] Shiva Azadegan and Anand Tripathi. A parallel join algorithm for SIMD architectures. *The Journal of Systems and Software*, 39(3):265–280, December 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ayres:1998:NHD

[Ayr98] Ronald Ayres. A narrative history and description of MOSIS software. *The Journal of Systems and Software*, 43(1): 67–82, October 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/43/1/6050.pdf`.

Baber:1991:CCP

[Bab91] Robert L. Baber. Controversy corner: Portrait of a (software) engineer. *The Journal of Systems and Software*, 15(1):91–100, April 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Basili:1996:MDC

[BAEH96] Victor R. Basili and Salwa K. Abd-El-Hafiz. A method for documenting code components. *The Journal of Systems and Software*, 34(2):89–104, August 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ben-Asher:1996:USD

[BAH96] Yosi Ben-Asher and Gadi Haber. On the usage of simulators to detect inefficiency of parallel programs caused by "bad" schedulings: The SIMPARC approach. *The Journal of Systems and Software*, 33(3):313–327, June 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Baker:1988:IAR

[Bak88] T. P. Baker. An improved Ada run-time system interface. *The Journal of Systems and Software*, 8(5):373–393, December 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Booth:1981:ISM

[BAL81] Taylor L. Booth, Reda Ammar, and Robert Lenk. Instrumentation system to measure user performance in interactive systems. *The Journal of Systems and Software*, 2(2):139–146, June 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Banino:1986:PFC

[Ban86] J. S. Banino. Parallelism and fault-tolerance in the chorus. *The Journal of Systems and Software*, 6(1–2):205–211, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Barr:1986:UBG

[Bar86] W. J. Barr. Unix-based gateway to distributed database systems. *The Journal of Systems and Software*, 6(3):225–235, August 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Barros:1992:PAC

[Bar92] Oscar Barros. A pragmatic approach to computer-assisted system building. *The Journal of Systems and Software*, 18(3): 235–244, July 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Barros:1994:OOC

[Bar94] Oscar Barros. Object-oriented case-supported development of information systems. *The Journal of Systems and Software*, 24 (2):95–113, February 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Basili:1980:ISI

[Bas80] Victor R. Basili. Introduction to the special issue on Software Life Cycle Management. *The Journal of Systems and Software*, 1 (3):179, ???? 1980. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Basili:1997:EPR

[Bas97] Victor R. Basili. Evolving and packaging reading technologies. *The Journal of Systems and Software*, 38(1):3–12, July 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Basili:1981:CPC

[BB81] Victor R. Basili and John Beane. Can the Parr curve help with manpower distribution and resource estimation problems? *The Journal of Systems and Software*, 2(1):59–69, February 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Benander:1989:ESC

[BB89] Alan C. Benander and Barbara A. Benander. An empirical study of COBOL programs via a style analyzer: The benefits of good programming style. *The Journal of Systems and Software*, 10(4):271–279, November 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bieman:1988:SRI

[BBC+88] James M. Bieman, Albert L. Baker, Paul N. Clites, David A. Gustafson, and Austin C. Melton. Standard representation of imperative language programs for data collection and software measures specification. *The Journal of Systems and Software*, 8(1):13–37, January 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Baker:1990:PSM

[BBF+90] Albert L. Baker, James M. Bieman, Norman Fenton, David A. Gustafson, Austin Melton, and Robin Whitty. A philosophy for software measurement. *The Journal of Systems and Software*, 12(3):277–281, July 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Balbo:1986:SHQ

[BBG86] G. Balbo, S. C. Bruell, and S. Ghanta. Solution of homogeneous queueing networks with many job classes. *The Journal of Systems and Software*, 6(1–2): 41–53, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Braa:1996:ORP

[BBØ96] Kristin Braa, Tone Bratteteig, and Leikny Øgrim. Organizing the redesign process in system development. *The Journal of Systems and Software*, 33(2): 133–140, May 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Benander:1996:RVI

[BBP96] Alan C. Benander, Barbara A. Benander, and Howard Pu. Recursion vs. iteration: An empirical study of comprehension. *The Journal of Systems and Software*, 32(1):73–82, January 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bourque:1991:ESS

[BC91] Pierre Bourque and Vianney Côté. An experiment in software sizing with structured analysis metrics. *The Journal of Systems and Software*, 15(2):159–172, May 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

BritoeAbreu:1994:CMO

[BC94] Fernando Brito e Abreu and Rogério Carapuça. Candidate metrics for object-oriented software within a taxonomy framework. *The Journal of Systems and Software*, 26(1):87–96, July 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Benedusi:1992:REP

[BCD92] P. Benedusi, A. Cimitile, and U. De Carlini. Reverse engineering processes, design document production, and structure charts. *The Journal of Systems and Software*, 19(3):225–245, November 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bouge:1986:TSG

[BCFG86] L. Bouge, N. Choquet, L. Fribourg, and M.-C. Gaudel. Test sets generation from algebraic specifications using logic programming. *The Journal of Systems and Software*, 6(4):343–360, November 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Barbosa:1994:DAO

[BdADH94] Valmir C. Barbosa, Lúcia Maria de A. Drummond, and Astrid Luise H. Hellmuth. From distributed algorithms to OCCAM programs by successive refinements. *The Journal of Systems and Software*, 26(3):257–272, September 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bianchi:1993:GAC

[BDM+93] U. Bianchi, P. Degano, S. Mannucci, S. Martini, B. Mojana, C. Priami, and E. Salvatori. Generating the analytic component parts of syntax-directed editors with efficient error recovery. *The Journal of Systems and Software*, 23(1):65–79, October 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Belady:1981:SPM

[BE81] L. A. Belady and C. J. Evangelisti. System partitioning and its measure. *The Journal of Systems and Software*, 2(1):23–29, February 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Becker:1986:ISI

[Bec86] Monique Becker. Introduction to the special issue. *The Journal of Systems and Software*, 6 (1–2):5, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Belkhouche:1991:GAP

[Bel91] Boumediene Belkhouche. Generation of ADA and PL/1 prototypes from abstract data type specifications. *The Journal of Systems and Software*, 16(3): 255–264, November 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Belmesk:1993:EIM

[Bel93] Zoubir Belmesk. An efficient implementation model for the FP2 parallel language. *The Journal of Systems and Software*, 21(1): 89–101, April 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bernstein:1981:SPM

[Ber81] Lawrence Bernstein. Software project management audits. *The Journal of Systems and Software*, 2(4):281–287, December 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bernstein:1988:SS

[Ber88] Lawrence Bernstein. System sizing. *The Journal of Systems and Software*, 8(3):253, June 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bertolino:1991:OAS

[Ber91] Antonia Bertolino. An overview of automated software testing. *The Journal of Systems and Software*, 15(2):133–138, May 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bertolino:1993:UET

[Ber93] Antonia Bertolino. Unconstrained edges and their application to branch analysis and testing of programs. *The Journal of Systems and Software*, 20(2): 125–133, February 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bertolino:1994:GEC

[Ber94] Antonia Bertolino. Guest Editor's corner: Achieving quality in software. *The Journal of Systems and Software*, 26(1): 1–3, July 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Berry:1995:IIR

[Ber95] Daniel M. Berry. The importance of ignorance in requirements engineering. *The Journal of Systems and Software*, 28(2):179–184, February 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Berzins:1998:RCS

[Ber98] V. Berzins. Recombining changes to software specifications. *The Journal of Systems and Software*, 42(2):165–

174, August 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/42/2/6035.pdf`.

Bevan:1999:QUM

[Bev99] Nigel Bevan. Quality in use: Meeting user needs for quality. *The Journal of Systems and Software*, 49(1):89–96, December 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/46/25/34/article.pdf`; `http://www.elsevier.nl/gej-ng/10/29/11/46/25/abstract.html`.

Basili:1981:PME

[BF81] Victor R. Basili and Karl Freburger. Programming measurement and estimation in the software engineering laboratory. *The Journal of Systems and Software*, 2(1):47–57, February 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bush:1990:SMC

[BF90] Martin E. Bush and Norman E. Fenton. Software measurement: a conceptual framework. *The Journal of Systems and Software*, 12(3):223–231, July 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Buehrer:1996:STI

[BF96] Daniel J. Buehrer and Yang-Wen Fan. SL-trees: an indexing structure for object-oriented data bases. *The Journal of Systems and Software*, 32(3):237–249, March 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bulgren:1992:MIL

[BFC92] William Bulgren, Victor Frost, and Chi-Shih Chang. A model for interconnected LANs with general arrivals. *The Journal of Systems and Software*, 17(2): 145–153, February 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bernardeschi:1997:IAJ

[BFG97] C. Bernardeschi, A. Fantechi, and S. Gnesi. An industrial application for the JACK environment. *The Journal of Systems and Software*, 39(3):249–264, December 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Babaoglu:1996:UFS

[BFR96] Özalp Babaoğlu, Eddy Fromentin, and Michel Raynal. A unified framework for the specification and run-time detection of dynamic properties in distributed computations. *The Journal of Systems and Software*, 33(3):287–298, June 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Belkhouche:1996:FSP

[BG96] Boumediene Belkhouche and Bart J. Geraci. A formally specified prototyping system. *The Journal of Systems and Software*,

34(1):67–81, July 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Baekgaard:1998:RTE

[BG98] Lars Bækgaard and Jens Christian Godskesen. Real-time event control in active databases. *The Journal of Systems and Software*, 42(3):263–271, September 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/42/3/6042.pdf`.

Benander:1990:ESU

[BGB90] Barbara A. Benander, Narasimhaiah Gorla, and Alan C. Benander. An empirical study of the use of the GOTO statement. *The Journal of Systems and Software*, 11(3):217–223, March 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bruegge:1983:GPE

[BH83] Bernd Bruegge and Peter Hibbard. Generalized path expressions: a high-level debugging mechanism. *The Journal of Systems and Software*, 3(4):265–276, December 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bhargava:1984:PER

[Bha84] Bharat Bhargava. Performance evaluation of reliability control algorithms for distributed database systems. *The Journal of Systems and Software*, 4(2–3): 239–264, July 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bhide:1990:GSP

[Bhi90] Sandhiprakash Bhide. Generalized software process-integrated metrics framework. *The Journal of Systems and Software*, 12(3): 249–254, July 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Budgen:1989:AIC

[BHR89] David Budgen, Peter Henderson, and Chic Rattray. Academic/industrial collaboration in a postgraduate MSc course in software engineering. *The Journal of Systems and Software*, 10(4):261–266, November 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Blaine:1985:CMA

[BK85] J. David Blaine and Richard A. Kemmerer. Complexity measures for assembly language programs. *The Journal of Systems and Software*, 5(3):229–245, August 1985. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bock:1992:FSF

[BK92] Douglas B. Bock and Robert Klepper. FP-S: a simplified function point counting method. *The Journal of Systems and Software*, 18(3):245–254, July 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bieman:1995:MLS

[BK95] James M. Bieman and Santhi Karunanithi. Measurement of language-supported reuse in object-oriented and object-based software. *The Journal of Systems and Software*, 30(3):271–293, September 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Blair:1985:OIS

[BKS85] Jean R. Stephenson Blair, Phil Kearns, and Mary Lou Soffa. Optimistic implementation of the stack-heap. *The Journal of Systems and Software*, 5(3):193–202, August 1985. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bellman:1995:DTH

[BL95] Kirstie L. Bellman and Christopher Landauer. Designing testable, heterogeneous software environments. *The Journal of Systems and Software*, 29(3): 199–217, June 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Binkley:1998:APS

[BL98] David W. Binkley and James R. Lyle. Application of the pointer state subgraph to static program slicing. *The Journal of Systems and Software*, 40(1):17–27, January 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Blatt:1987:CNH

[Bla87] David W. E. Blatt. Comparison of network and hierarchical data management in large programming projects. *The Journal of Systems and Software*, 7(4): 297–309, December 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bickel:1992:ECE

[BLPB92] Riva Wenig Bickel, Maria M. Lorrondo-Petrie, and David F. Bush. EDICT for computer ethics education. *The Journal of Systems and Software*, 17(1):81–89, January 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Blum:1986:FYE

[Blu86] Bruce I. Blum. Four years of experience with an environment for implementing information systems. *The Journal of Systems and Software*, 6(3):261–271, August 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Blum:1989:CCV

[Blu89] Bruce I. Blum. Controversy corner: Volume, distance and productivity. *The Journal of Systems and Software*, 10(3):217–226, October 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Blum:1993:EAD

[Blu93] Bruce I. Blum. The economics of adaptive design. *The Journal*

of Systems and Software, 21(2): 117–128, May 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bussolati:1983:SDD

[BM83] U. Bussolati and G. Martella. Security design in distributed database systems. *The Journal of Systems and Software*, 3(3): 219–229, September 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bayer:1989:CDT

[BM89] Judy Bayer and Nancy Melone. A critique of diffusion theory as a managerial framework for understanding adoption of software engineering innovations. *The Journal of Systems and Software*, 9 (2):161–166, February 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Borba:1993:VSF

[BM93a] Paulo Borba and Silvio Meira. From VDM specifications to functional prototypes. *The Journal of Systems and Software*, 21 (3):267–278, June 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Byoungju:1993:HPM

[BM93b] Choi Byoungju and Aditya P. Mathur. High-performance mutation testing. *The Journal of Systems and Software*, 20(2): 135–152, February 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bertolino:1996:HMP

[BM96] Antonia Bertolino and Martina Marré. How many paths are needed for branch testing? *The Journal of Systems and Software*, 35(2):95–106, November 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Burd:1998:MIR

[BM98] Elizabeth Burd and Malcolm Munro. A method for the identification of reusable units through the reengineering of legacy code. *The Journal of Systems and Software*, 44(2):121–134, December 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/44/2/6077.pdf`.

Bertolino:1997:CSB

[BMP97] Antonia Bertolino, Raffaela Mirandola, and Emilia Peciola. A case study in branch testing automation. *The Journal of Systems and Software*, 38(1):47–59, July 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bettaz:1994:RAM

[BMSB94] Mohamed Bettaz, Mourad Maouche, Moussa Soualmi, and Madani Boukebeche. On reusing ATNet modules in protocol specification. *The Journal of Systems and Software*, 27(2):119–128, November 1994. CODEN JSSODM.

ISSN 0164-1212 (print), 1873-1228 (electronic).

Bowman:1990:SMP

[BN90] Brent J. Bowman and William A. Newman. Software metrics as a programming training tool. *The Journal of Systems and Software*, 13(2):139–147, October 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Boehm:1983:SBP

[Boe83] Barry W. Boehm. Seven basic principles of software engineering. *The Journal of Systems and Software*, 3(1):3–24, March 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bologna:1997:GEC

[Bol97a] Sandro Bologna. Guest Editor's corner: Achieving quality in software. *The Journal of Systems and Software*, 38(1):1–2, July 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Boloix:1997:SEQ

[Bol97b] Germinal Boloix. System evaluation and quality improvement. *The Journal of Systems and Software*, 36(3):297–311, March 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bowen:1984:MSS

[Bow84] John B. Bowen. Module size: a standard or heuristic? *The Journal of Systems and Software*, 4(4):327–332, November 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Basili:1980:TCS

[BP80] Victor R. Basili and John G. Perry, Jr. Transporting up: a case study. *The Journal of Systems and Software*, 1(2):123–129, February 1980. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Becker:1986:SAN

[BP86] M. Becker and G. Pion. Simulation of an Apollo network in order to evaluate response-time speedup of parallel algorithms. *The Journal of Systems and Software*, 6(1–2):81–91, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bobbie:1991:CPP

[BP91] Patrick O. Bobbie and Mike Papazoglou. Clustering PROLOG programs for distributed computations. *The Journal of Systems and Software*, 16(3):205–218, November 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Brahmadathan:1990:MLL

[BR90] K. Brahmadathan and K. V. S. Ramarao. On the management of long-living transactions. *The Journal of Systems and Software*, 11(1):45–52, January 1990. CO-

DEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Brackett:1989:BUS

[Bra89] John W. Brackett. The Boston University software engineering graduate program: Continuing education through interactive television. *The Journal of Systems and Software*, 10(4): 267–269, November 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bradley:1996:ERA

[Bra96] James Bradley. Extended relational algebra for reduction of natural quantifier COOL expressions. *The Journal of Systems and Software*, 33(1):87–100, April 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Britcher:1992:CCC

[Bri92] Robert N. Britcher. Controversy corner: Cards, couriers, and the race to correctness. *The Journal of Systems and Software*, 17 (3):281–284, March 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Brooks:1981:STP

[Bro81] W. Douglas Brooks. Software technology payoff: Some statistical evidence. *The Journal of Systems and Software*, 2(1):3–9, February 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Brown:1987:CMC

[Bro87] Bradley J. Brown. Checksum methodology as a configuration management tool. *The Journal of Systems and Software*, 7(2): 141–143, June 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Barzel:1986:PFI

[BS86] Ronen Barzel and David Salesin. Patchwork: a fast interpreter for a restricted dataflow language. *The Journal of Systems and Software*, 6(3):251–259, August 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bieman:1993:ECA

[BS93] James M. Bieman and Pradip K. Srimani. Editor's corner: Applying specification, verification, and validation techniques. *The Journal of Systems and Software*, 21(3):199–200, June 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bieman:1996:GEC

[BS96] James M. Bieman and Pradip K. Srimani. Guest Editors' corner: Software engineering for distributed computing. *The Journal of Systems and Software*, 33(3): 205–206, June 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Boloix:1993:SMU

[BST93] Germinal Boloix, Paul G. Sorenson, and J. Paul Tremblay. Soft-

ware metrics using a metasystem approach to software specification. *The Journal of Systems and Software*, 20(3):273–294, March 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Briand:1997:RHR

[BT97] Lionel C. Briand and William M. Thomas. Response to "Handling Regression Subsets in Software Modeling" by Ronald Gulezian, The Journal of Systems and Software, April 1996. *The Journal of Systems and Software*, 36 (3):313–314, March 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). See [Gul96].

Batini:1984:CAL

[BTT84] C. Batini, M. Talamo, and R. Tamassia. Computer aided layout of entity relationship diagrams. *The Journal of Systems and Software*, 4(2–3):163–173, July 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Buxton:1990:SEY

[Bux90] J. N. Buxton. Software engineering — 20 years on and 20 years back. *The Journal of Systems and Software*, 13(3): 153–155, November 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Boehm:1980:SCM

[BW80] Barry W. Boehm and R. W. Wolverton. Software cost modeling: Some lessons learned. *The Journal of Systems and Software*, 1(3):195–201, ???? 1980. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bates:1983:HLD

[BW83] Peter C. Bates and Jack C. Wileden. High-level debugging of distributed systems: the behavioral abstraction approach. *The Journal of Systems and Software*, 3(4):255–264, December 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Brandl:1993:IOM

[BW93] Dennis L. Brandl and James H. Worley. An implemented object model of the software engineering process. *The Journal of Systems and Software*, 23(2): 171–181, November 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Brown:1995:SFT

[BW95] Larry Brown and Jie Wu. Snooping fault-tolerant distributed shared memories. *The Journal of Systems and Software*, 29(2): 149–165, May 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Basumallick:1996:DID

[BW96] Swagato Basumallick and Johnny S. K. Wong. Design and implementation of a distributed database system. *The Journal of Systems and Software*, 34(1):

21–29, July 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Bravoco:1985:MMI

[BY85] Ralph R. Bravoco and Surya B. Yadav. Methodology to model the information structure of an organization. *The Journal of Systems and Software*, 5(1):59–71, February 1985. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Berry:1987:APD

[BYY87] Daniel M. Berry, Nancy Yavne, and Moshe Yavne. Application of program design language tools to Abbott's method of program design by informal natural language descriptions. *The Journal of Systems and Software*, 7(3): 221–247, September 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Card:1987:CRS

[CA87a] D. N. Card and W. W. Agresti. Comments on resolving the software science anomaly. *The Journal of Systems and Software*, 7 (1):83–84, March 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Card:1987:RSS

[CA87b] D. N. Card and W. W. Agresti. Resolving the software science anomaly. *The Journal of Systems and Software*, 7(1):29–35, March 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Card:1988:MSD

[CA88] David N. Card and William W. Agresti. Measuring software design complexity. *The Journal of Systems and Software*, 8(??): 185–197, June 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Card:1989:FRS

[CA89] D. N. Card and W. W. Agresti. Further remarks on software science. *The Journal of Systems and Software*, 10(1):71–72, July 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Card:1990:MSS

[CA90] David N. Card and William W. Agresti. More on software science. *The Journal of Systems and Software*, 12(2):170–171, May 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Cai:1998:END

[Cai98] Kai-Yuan Cai. On estimating the number of defects remaining in software. *The Journal of Systems and Software*, 40(2):93–114, February 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Cam:1999:HPB

[Çam99] Hasan Çam. A header-population based flow control for multicomputer networks. *The Journal of Systems and Software*,

47(1):19–26, May 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/47/1/6135.pdf`.

Cargill:1983:BDb

[Car83] Thomas A. Cargill. Blit debugger. *The Journal of Systems and Software*, 3(4):277–284, December 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Card:1992:DSP

[Car92] David N. Card. Designing software for producibility. *The Journal of Systems and Software*, 17 (3):219–225, March 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Carver:1994:IMD

[Car94] Doris L. Carver. Integrated modeling of distributed object-oriented systems. *The Journal of Systems and Software*, 26(3): 233–244, September 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Carver:1996:TAD

[Car96] Richard H. Carver. Testing abstract distributed programs and their implementations: a constraint-based approach. *The Journal of Systems and Software*, 33(3):223–237, June 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Carlisle:1999:ECS

[Car99] Judith Pinn Carlisle. Ethical considerations of the software-dependent organization. *The Journal of Systems and Software*, 44(3):251–255, January 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/44/3/6089.pdf`.

Cavano:1984:SRM

[Cav84] Joseph P. Cavano. Software reliability measurement: Prediction, estimation, and assessment. *The Journal of Systems and Software*, 4(4):269–275, November 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Canas:1989:FMS

[CB89a] Daniel A. Cañas and William G. Bulgren. A file management system for a magnetic disk used as a buffer to write-once optical storage. *The Journal of Systems and Software*, 10(1):15–21, July 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Card:1989:IEA

[CB89b] D. N. Card and R. A. Berg. An industrial engineering approach to software development. *The Journal of Systems and Software*, 10(3):159–168, October 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Coleman:1991:DKP

[CB91] David L. Coleman and Albert L. Baker. Deliberations on Kung's process interface modeling. *The Journal of Systems and Software*, 15(2):193–198, May 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). See response [Kun91b].

Chang:1996:IZS

[CBK96] C. C. Chang, D. J. Buehrer, and H. C. Kowng. An improvement to Ziegler's sparse matrix compression algorithm. *The Journal of Systems and Software*, 35 (1):67–71, October 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Cote:1988:SMO

[CBOR88] V. Cote, P. Bourque, S. Oligny, and N. Rivard. Software metrics: an overview of recent results. *The Journal of Systems and Software*, 8(2):121–131, March 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Chen:1994:NOO

[CC94] Jen-Yen Chen and Yao-Ting Tim Chen. A new object-oriented method integrating Jackson structured programming method. *The Journal of Systems and Software*, 24(2):125–137, February 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Chen:1999:CMP

[CC99a] J.-Y. J. Chen and S.-C. Chou. Consistency management in a process environment. *The Journal of Systems and Software*, 47 (2–3):105–110, July 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/47/2-3/6145.pdf`.

Chiang:1999:CPM

[CC99b] M.-L. Chiang and R.-C. Chang. Cleaning policies in mobile computers using flash memory. *The Journal of Systems and Software*, 48(3):213–231, November 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/37/24/22/article.pdf`; `http://www.elsevier.nl/gej-ng/10/29/11/37/24/abstract.html`.

Cimitile:1999:IOL

[CDDF99] Aniello Cimitile, Andrea De Lucia, Giuseppe Antonio Di Lucca, and Anna Rita Fasolino. Identifying objects in legacy systems using design metrics. *The Journal of Systems and Software*, 44(3):199–211, January 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/44/3/6085.pdf`.

Cuykendall:1984:DSV

[CDJ+84] Robert Cuykendall, Anton Domic, William H. Joyner, Steve C. Johnson, Steve Kelem,

Dennis McBride, Jack Mostow, John E. Savage, and Gabriele Saucier. Design synthesis in VLSI and software engineering. *The Journal of Systems and Software*, 4(1):7–12, April 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Canfora:1998:IER

[CDM98] Gerardo Canfora, Andrea De Lucia, and Malcolm Munro. An integrated environment for reuse reengineering C code. *The Journal of Systems and Software*, 42(2):153–164, August 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/42/2/6034.pdf`.

Cao:1999:RPD

[CDS99] Jiannong Cao, Olivier De Vel, and Ling Shi. Rapid prototyping of distributed algorithms. *The Journal of Systems and Software*, 45(2):141–154, March 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/45/2/6101.pdf`.

Carrasco:1991:ESO

[CFK91] Juan A. Carrasco, Joan Figueras, and Annie Kuntzmann. Evaluation of safety-oriented two-version architectures. *The Journal of Systems and Software*, 14 (3):155–162, March 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Craig:1998:CGW

[CFSS98] Annemieke Craig, Julie Fisher, Angela Scollary, and Mohini Singh. Closing the gap: Women, education, and information technology courses in Australia. *The Journal of Systems and Software*, 40(1):7–15, January 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Chen:1994:SOD

[CG94] Yinong Chen and Winfried Görke. Structure-oriented dependability evaluation of fault-tolerant protocols. *The Journal of Systems and Software*, 25(1): 85–99, April 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Cooke:1996:LSS

[CGD+96] Daniel Cooke, Ann Gates, Elif Demirors, Onur Demirors, Murat M. Tanik, and Bernd Kramer. Languages for the specification of software. *The Journal of Systems and Software*, 32 (3):269–308, March 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Claybrook:1983:LES

[CH83] Billy G. Claybrook and H. Rex Hartson. Language extensions for specifying program access control policies in programming languages. *The Journal of Systems and Software*, 3(2):155–162, June 1983. CODEN JSSODM.

ISSN 0164-1212 (print), 1873-1228 (electronic).

Chen:1994:IOO

[CH94] Jen-Yen Chen and Yu-Shiang Hung. An integrated object-oriented analysis and design method emphasizing entity/class relationship and operation finding. *The Journal of Systems and Software*, 24(1):31–47, January 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Chang:1991:DCU

[Cha91] Daniel K. Chang. Data compression using hierarchical dictionaries. *The Journal of Systems and Software*, 15(3):233–238, July 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Chang:1993:SPM

[Cha93] Daniel K. Chang. A string pattern—matching algorithm. *The Journal of Systems and Software*, 22(3):207–216, September 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Chatman:1995:CPP

[Cha95] Vernon V. Chatman, III. CHANGE-POINTs: a proposal for software productivity measurement. *The Journal of Systems and Software*, 31(1):71–91, October 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Chang:1994:NCM

[CHB94] Chin-Chen Chang, Shin-Jia Hwang, and Daniel J. Buehrer. New concepts for multiple stack system: Born and reborn. *The Journal of Systems and Software*, 27(1):45–54, October 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Chow:1995:RAM

[Cho95] Ching-Hua Edward Chow. Resource allocation for multiparty connections. *The Journal of Systems and Software*, 28(3):253–266, March 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Chretienne:1986:TPN

[Chr86] Philippe Chretienne. Timed Petri nets: a solution to the minimum-time-reachability problem between two states of a timed-event graph. *The Journal of Systems and Software*, 6(1–2):95–101, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Christodoulakis:1991:GSE

[Chr91] Dimitris Christodoulakis. The GRASPIN software engineering environment. *The Journal of Systems and Software*, 15(1):3, April 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Christie:1999:SSC

[Chr99] Alan M. Christie. Simulation in support of CMM-based process

improvement. *The Journal of Systems and Software*, 46(2–3): 107–112, April 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/46/2-3/6119.pdf`.

Chu:1997:ASO

[Chu97] Pai-Cheng Chu. Actors and scripts: Object-oriented simulation of enterprise systems. *The Journal of Systems and Software*, 37(3):187–199, June 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Cioch:1991:MSM

[Cio91] Frank A. Cioch. Measuring software misinterpretation. *The Journal of Systems and Software*, 14(2):85–95, February 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Chee:1998:MWB

[CJP98] C. L. Chee, S. Jarzabek, and R. Paul. *F*-metric: a WWW-based framework for intelligent formulation and analysis of metric queries. *The Journal of Systems and Software*, 43(2):119–132, November 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/43/2/6055.pdf`.

Chiu:1998:ALB

[CKyL98] Anthony Chiu, Ben Kao, and Kam yiu Lam. An analysis of lock-based and optimistic concurrency control protocols in multiprocessor real-time databases. *The Journal of Systems and Software*, 42(3):273–286, September 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/42/3/6043.pdf`.

Chandersekaran:1981:SSU

[CL81] C. S. Chandersekaran and R. C. Linger. Software specification using the special language. *The Journal of Systems and Software*, 2(1):31–38, February 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Chang:1994:IDF

[CL94] Yu Lo Cyrus Chang and Leslie C. Lander. An inference design for fault location in real-time control systems. *The Journal of Systems and Software*, 25(1):3–21, April 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Costello:1995:MRE

[CL95] Rita J. Costello and Dar-Biau Liu. Metrics for requirements engineering. *The Journal of Systems and Software*, 29(1):39–63, April 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Chung:1997:EZO

[CL97] Chyan-Goei Chung and Jen-Gaw Lee. An enhanced zero-one op-

timal path set selection method. *The Journal of Systems and Software*, 39(2):145–164, November 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Chang:1998:SMR

[CL98] Chin-Chen Chang and Chin-Feng Lee. A spatial match retrieval mechanism for symbolic pictures. *The Journal of Systems and Software*, 44(1):73–83, December 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/44/1/6072.pdf`.

Cheong:1999:QSM

[CL99] F. Cheong and R. Lai. QoS specification and mapping for distributed multimedia systems: a survey of issues. *The Journal of Systems and Software*, 45(2):127–139, March 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/45/2/6100.pdf`.

Claude:1986:DTQ

[Cla86] J. P. Claude. Discrete time queues for modelling an HDLC coupler. *The Journal of Systems and Software*, 6(1–2):55–59, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Chang:1999:PSF

[CLL99] Chin-Chen Chang, Tian-Fu Lee, and Jyh-Jong Leu. Partition search filter and its performance analysis. *The Journal of Systems and Software*, 47(1):35–43, May 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/47/1/6137.pdf`.

Chen:1996:RMF

[CLLC96] C. Y. Chen, H. F. Lin, R. C. T. Lee, and C. C. Chang. Redundant MKH files design among multiple disks for concurrent partial match retrieval. *The Journal of Systems and Software*, 35(3):199–207, December 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Coleman:1995:ASM

[CLO95] Don Coleman, Bruce Lowther, and Paul Oman. The application of software maintainability models in industrial software systems. *The Journal of Systems and Software*, 29(1):3–16, April 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Chang:1998:TOO

[CLSC98] Kai H. Chang, Shih-Sung Liao, Stephen B. Seidman, and Richard Chapman. Testing object-oriented programs: From formal specification to test scenario generation. *The Journal*

of Systems and Software, 42(2): 141–151, August 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/42/2/6033.pdf`.

Chauvet:1986:MCX

[CM86] Yves Chauvet and Gerard Meurant. Multitasking on the Cray X-MP. *The Journal of Systems and Software*, 6(1–2):17–20, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Collins:1992:PEC

[CM92] W. Robert Collins and Keith W. Miller. Paramedic ethics for computer professionals. *The Journal of Systems and Software*, 17 (1):23–38, January 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Chiang:1993:CUF

[CM93] Chi-Ming Chiang and Matt W. Mutka. Characteristics of user file-usage patterns. *The Journal of Systems and Software*, 23(3): 257–268, December 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Crawford:1985:ASM

[CMP85] Stewart G. Crawford, Allen A. McIntosh, and Daryl Pregibon. Analysis of static metrics and faults in C software. *The Journal of Systems and Software*, 5 (1):37–48, February 1985. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Cohen:1981:APL

[Coh81] Paul M. Cohen. Ada programming language standardization. *The Journal of Systems and Software*, 2(4):351–355, December 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Collste:1992:ESM

[Col92] Göran Collste. Expert systems in medicine and moral responsibility. *The Journal of Systems and Software*, 17(1):15–22, January 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Cooper:1981:MWS

[Coo81] Jack Cooper. Mil-Std-1679, weapon system software development. *The Journal of Systems and Software*, 2(4):319–327, December 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Cooke:1990:FSR

[Coo90] D. E. Cooke. Formal specifications of resource-deadlock prone Petri nets. *The Journal of Systems and Software*, 11(1):53–69, January 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Christodoulakis:1988:WWE

[CP88] D. Christodoulakis and T. Pantziou. WEP — a workstation for education in programming. *The*

Journal of Systems and Software, 8(5):401–408, December 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Coppola:1997:PIT

[CP97] P. Coppola and P. Panaroni. Process improvement through process modelling. *The Journal of Systems and Software*, 38(1): 95–101, July 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Chan:1998:OOI

[CPW98] Hock Chuan Chan, Danny C. C. Poo, and Cheng Peng Woon. An object-oriented implementation of an entity relationship model. *The Journal of Systems and Software*, 41(2): 117–125, May 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/41/2/6012.pdf`.

Clarke:1985:ASE

[CR85] Lori A. Clarke and Debra J. Richardson. Applications of symbolic evaluation. *The Journal of Systems and Software*, 5(1):15–35, February 1985. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Comer:1989:SEE

[CR89] James R. Comer and David J. Rodjak. Software engineering education at Texas Christian University: Adapting a curriculum to changing needs. *The Journal of Systems and Software*, 10(4): 235–244, November 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Coupal:1990:FAS

[CR90] Daniel Coupal and Pierre N. Robillard. Factor analysis of source code metrics. *The Journal of Systems and Software*, 12(3): 263–269, July 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Cook:1994:RTS

[CRV94] Curtis R. Cook, Andreas Roesch, and C. W. Vowell. Real-time software metrics. *The Journal of Systems and Software*, 24 (3):223–237, March 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Carver:1985:IPM

[CS85] Doris L. Carver and D. B. Simmons. Impact of programming methodology on program complexity. *The Journal of Systems and Software*, 5(4):279–289, November 1985. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Curtis:1989:EES

[CSKB+89] Bill Curtis, Sylvia B. Sheppard, Elizabeth Kruesi-Bailey, John Bailey, and Deborah A. Boehm-Davis. Experimental evaluation of software documentation formats. *The Journal of Systems and Software*, 9(2):167–207,

February 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Chen:1994:ALS

[CT94] Jen-Yen Chen and Chia-Ming Tu. An Ada-like software process language. *The Journal of Systems and Software*, 27(1):17–25, October 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Chang:1997:GSS

[CT97] Chin-Chen Chang and Hui-Min Tsai. A generalized secret sharing scheme. *The Journal of Systems and Software*, 36(3):267–272, March 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Chou:1994:GCS

[CTA94] Yu-Hur Chou, Cheng-Hsien Tung, and Reda Ammar. Guidelines for choosing self-scheduling orders on multiprocessors. *The Journal of Systems and Software*, 26(3):245–255, September 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Cardenas:1992:ADT

[CTZ92] Sergio R. Cárdenas, Jianhui Tian, and Marvin V. Zelkowitz. An application of decision theory for the evaluation of software prototypes. *The Journal of Systems and Software*, 19(1):27–39, September 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Cooke:1998:GEI

[CU98] D. E. Cooke and J. E. Urban. Guest Editors' introduction: Special issue on software engineering and knowledge engineering. *The Journal of Systems and Software*, 42(2):103–104, August 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Cimitile:1995:SSC

[CV95] A. Cimitile and G. Visaggio. Software salvaging and the call dominance tree. *The Journal of Systems and Software*, 28(2):117–127, February 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Collofello:1989:EER

[CW89] James S. Collofello and Scott N. Woodfield. Evaluating the effectiveness of reliability-assurance techniques. *The Journal of Systems and Software*, 9(3):191–195, March 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Compton:1990:PCA

[CW90] B. Terry Compton and Carol Withrow. Prediction and control of ADA software defects. *The Journal of Systems and Software*, 12(3):199–207, July 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Chang:1997:LAD

[CW97] Chin-Chen Chang and Chih-Hung Wang. A locally adaptive

data compression strategy for Chinese–English characters. *The Journal of Systems and Software*, 36(2):167–179, February 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Chong:1991:PES

[CZ91] Edwin K. P. Chong and Wei Zhao. Performance evaluation of scheduling algorithms for imprecise computer systems. *The Journal of Systems and Software*, 15(3):261–277, July 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Cao:1998:HOC

[CZdV98] Jiannong Cao, Kang Zhang, and Olivier de Vel. On heuristics for optimal configuration of hierarchical distributed monitoring systems. *The Journal of Systems and Software*, 43(3):197–206, November 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/43/3/6061.pdf`.

Cetintemel:1999:OBO

[ÇZUB99] Ugũr Çetintemel, Jürgen Zimmermann, Özgür Ulusoy, and Alejandro Buchmann. Objective: a benchmark for object-oriented active database systems. *The Journal of Systems and Software*, 45(1):31–43, February 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/45/1/6093.pdf`.

Davis:1986:PAS

[DA86] Margaret J. Davis and David R. Addleman. A practical approach to specification technology selection. *The Journal of Systems and Software*, 6(3):285–294, August 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Damiani:1996:ISC

[Dam96] Maria Luisa Damiani. An intelligent system for complex data exploration. *The Journal of Systems and Software*, 33(2):123–132, May 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Davis:1988:TES

[Dav88] Alan M. Davis. A taxonomy for the early stages of the software development life cycle. *The Journal of Systems and Software*, 8(4):297–311, September 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Davis:1995:OOR

[Dav95] Alan M. Davis. Object-oriented requirements to object-oriented design: an easy transition? *The Journal of Systems and Software*, 30(1–2):151–159, July/August 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Davidson:1999:JAD

[Dav99] E. J. Davidson. Joint application design (JAD) in practice. *The Journal of Systems and Software*, 45(3):215–223, March 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/45/3/6107.pdf`.

Doe:1986:SPC

[DB86] Dennis D. Doe and Edward H. Bersoff. Software Productivity Consortium (Spc): an industry initiative to improve the productivity and quality of mission-critical software. *The Journal of Systems and Software*, 6(4): 367–378, November 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Derrick:1995:VSS

[DB95] E. Joseph Derrick and Osman Balci. A visual simulation support environment based on the Domino conceptual framework. *The Journal of Systems and Software*, 31(3):215–237, December 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

DeBosschere:1997:PBP

[De 97] Koen De Bosschere. Process-based parallel logic programming: a survey of the basic issues. *The Journal of Systems and Software*, 39(1):71–82, October 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

DeBosschere:1998:TEF

[De 98] Koen De Bosschere. Tarilan: An embedded functional data processing language. *The Journal of Systems and Software*, 43(2): 93–102, November 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/43/2/6053.pdf`.

Dehnad:1990:SMU

[Deh90] Khosrow Dehnad. Software metrics from a user's perspective. *The Journal of Systems and Software*, 13(2):111–115, October 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Delugach:1992:SMV

[Del92] Harry S. Delugach. Specifying multiple-viewed software requirements with conceptual graphs. *The Journal of Systems and Software*, 19(3):207–224, November 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Dorfman:1984:AAR

[DF84] Merlin Dorfman and Richard F. Flynn. ARTS — an automated requirements traceability system. *The Journal of Systems and Software*, 4(1):63–74, April 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

DiFelice:1998:HWC

[DF98] Paolino Di Felice and Goffredo Fonzi. How to write comments suitable for automatic software indexing. *The Journal of Systems and Software*, 42 (1):17–28, July 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/42/1/6024.pdf`.

Drury:1999:ITP

[DF99] D. H. Drury and A. Farhoomand. Information technology push/pull reactions. *The Journal of Systems and Software*, 47 (1):3–10, May 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/47/1/6133.pdf`.

Dietrich:1996:AFT

[DFCR96] Suzanne Wagner Dietrich, Changguan Fan, and Enrique Cortes-Rello. An application of fragmentation transparency in a distributed database system: a case study. *The Journal of Systems and Software*, 35(3):185–197, December 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Dunsmore:1980:AEP

[DG80] H. E. Dunsmore and J. D. Gannon. Analysis of the effects of programming factors on programming effort. *The Journal of Systems and Software*, 1(2):141–153, February 1980. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Davis:1987:RCV

[DG87] Frank G. F. Davis and Rex E. Gantenbein. Recovering from a computer virus attack. *The Journal of Systems and Software*, 7(4):253–258, December 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Davis:1992:RCE

[DG92] Frank G. F. Davis and Rex E. Gantenbein. Responding to catastrophic errors: a design technique for fault-tolerant software. *The Journal of Systems and Software*, 17(3):243–251, March 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

DePaoli:1998:RMF

[DG98] Damien De Paoli and Andrzej Goscinski. The RHODOS migration facility. *The Journal of Systems and Software*, 40(1):51–65, January 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Dauchy:1993:UAS

[DGM93] P. Dauchy, M.-C. Gaudel, and B. Marre. Using algebraic specifications in software testing: a case study on the software of an automatic subway. *The Journal of Systems and Software*, 21(3):

229–244, June 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Desai:1988:CID

[DGS88] B. C. Desai, P. Goyal, and F. Sadri. Composite index in Ddbms. *The Journal of Systems and Software*, 8(2):105–119, March 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Dhama:1995:QMC

[Dha95] Harpal Dhama. Quantitative models of cohesion and coupling in software. *The Journal of Systems and Software*, 29(1):65–74, April 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Dupuis:1986:CTM

[DHP86] Alain Dupuis, Gerard Hebuterne, and Jean-Marc Pitie. Comparison of two mutual-exclusion algorithms for computer networks. *The Journal of Systems and Software*, 6(1–2):137–145, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

DiFelice:1987:DRL

[Di 87] Paolino Di Felice. On the development of reliable large software. *The Journal of Systems and Software*, 7(2):99–107, June 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Dillon:1991:IAS

[Dil91] Laura K. Dillon. An isolation approach to symbolic execution-based verification of Ada tasking programs. *The Journal of Systems and Software*, 14(3):183–198, March 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Diaz:1998:PBP

[DIP98] Oscar Diaz, Jon Iturrioz, and Mario G. Piattini. Promoting business policies in object-oriented methods. *The Journal of Systems and Software*, 41 (2):105–115, May 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/41/2/6011.pdf`.

Deng-Jyi:1993:SSR

[DJL93] Chen Deng-Jyi and P. J. Lee. On the study of software reuse using reusable C++ components. *The Journal of Systems and Software*, 20(1):19–36, January 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Davis:1994:DAS

[DK94] J. Steve Davis and J. J. Kanet. Developing an application-specific interactive system based on a spreadsheet package. *The Journal of Systems and Software*, 25 (2):201–206, May 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Davis:1997:PSI

[DK97] J. Steve Davis and J. J. Kanet. Production scheduling: An interactive graphical approach. *The Journal of Systems and Software*, 38(2):155–163, August 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Drappa:1999:QMI

[DL99] A. Drappa and J. Ludewig. Quantitative modeling for the interactive simulation of software projects. *The Journal of Systems and Software*, 46(2–3): 113–122, April 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/46/2-3/6120.pdf`.

Doukidis:1996:ISP

[DLG96] Georgios I. Doukidis, Panagiotis Lybereas, and Robert D. Galliers. Information systems planning in small business: a stages of growth analysis. *The Journal of Systems and Software*, 33(2): 189–201, May 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Debou:1994:DMS

[DLS94] Christophe Debou, Jaroslav Lipták, and Herbert Schippers. Decision making for software process improvement: a quantitative approach. *The Journal of Systems and Software*, 26(1): 43–52, July 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

DiStefano:1999:FAD

[DLT99] A. Di Stefano, L. Lo Bello, and E. Tramontana. Factors affecting the design of load balancing algorithms in distributed systems. *The Journal of Systems and Software*, 48(2):105–117, October 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/37/23/20/article.pdf`; `http://www.elsevier.nl/gej-ng/10/29/11/37/23/abstract.html`.

Datta:1998:BMR

[DMV98] Anindya Datta, Sarit Mukherjee, and Igor R. Viguier. Buffer management in real-time active database systems. *The Journal of Systems and Software*, 42(3):227–246, September 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/42/3/6040.pdf`.

Dolado:1997:SRA

[Dol97] J. J. Dolado. A study of the relationships among Albrecht and Mark II function points, lines of code 4GL and effort. *The Journal of Systems and Software*, 37(2):161–173, May 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

DCunha:1984:DDA

[DR84] Adolph D'Cunha and T. Radhakrishnan. Dass: a data administration support system. *The Journal of Systems and Software*, 4(2–3):175–184, July 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Delen:1992:SEM

[DR92] G. P. A. J. Delen and D. B. B. Rijsenbrij. The specification, engineering, and measurement of information systems quality. *The Journal of Systems and Software*, 17(3):205–217, March 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Dooley:1985:FSD

[DS85] Jeffrey W. M. Dooley and Stephen R. Schach. Flow: a software development environment using diagrams. *The Journal of Systems and Software*, 5(3):203–219, August 1985. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Damerla:1992:SCA

[DS92] Srinivasarao Damerla and Sol M. Shatz. Software complexity and Ada rendezvous: Metrics based on nondeterminism. *The Journal of Systems and Software*, 17 (2):119–127, February 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

DeMent:1994:NAM

[DS94] Naomi S. DeMent and Pradip K. Srimani. A new algorithm for k mutual exclusions in distributed systems. *The Journal of Systems and Software*, 26(2):179–191, August 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Dishaw:1998:SSM

[DS98] Mark T. Dishaw and Diane M. Strong. Supporting software maintenance with software engineering tools: a Computed task–technology fit analysis. *The Journal of Systems and Software*, 44(2):107–120, December 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/44/2/6076.pdf`.

Davis:1990:LCM

[DT90] I. J. Davis and D. J. Taylor. Local correction of mod(k) lists. *The Journal of Systems and Software*, 11(3):205–214, March 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Duvall:1995:SSM

[Duv95] Lorraine M. Duvall. A study of software management: The state of the practice in the United States and Japan. *The Journal of Systems and Software*, 31(2): 109–124, November 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Dugan:1994:REF

[DV94] Joanne Bechta Dugan and Randy Van Buren. Reliability evaluation of fly-by-wire computer systems. *The Journal of Systems and Software*, 25 (1):109–120, April 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Deng:1999:ADM

[DY99] Yi Deng and Chia-Rung Yang. Architecture-driven modeling of real-time concurrent systems with applications in FMS. *The Journal of Systems and Software*, 45(1):61–78, February 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/45/1/6095.pdf`.

Dyer:1987:FAS

[Dye87] Michael Dyer. Formal approach to software error removal. *The Journal of Systems and Software*, 7(2):109–114, June 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Dyer:1993:DBS

[Dye93] Michael Dyer. Distribution-based statistical sampling: An approach to software functional test. *The Journal of Systems and Software*, 20(2):107–114, February 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ebert:1994:CR

[Ebe94] Christof Ebert. Controversy revisited. *The Journal of Systems and Software*, 27(2):154, November 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ebert:1999:TCS

[Ebe99] Christof Ebert. Technical controlling and software process improvement. *The Journal of Systems and Software*, 46(1): 25–39, April 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/46/1/6113.pdf`.

Easterbrook:1998:FMV

[EC98] Steve Easterbrook and John Callahan. Formal methods for verification and validation of partial specifications: a case study. *The Journal of Systems and Software*, 40(3):199–210, March 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Edwards:1993:AOO

[EHS93] J. M. Edwards and B. Henderson-Sellers. Application of an object-oriented analysis and design methodology to engineering cost management. *The Journal of Systems and Software*, 23(2): 123–138, November 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Eckhardt:1988:FDR

[EL88] Dave E. Eckhardt and Larry D. Lee. Fundamental differences in the reliability of N-modular redundancy and N-version programming. *The Journal of Systems and Software*, 8(4):313–318, September 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Evanco:1994:MBF

[EL94] William M. Evanco and Robert Lacovara. A model-based framework for the integration of software metrics. *The Journal of Systems and Software*, 26(1):77–86, July 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Eliot:1992:CAE

[Eli92] Lance B. Eliot. Case analysis of expert systems projects: Strategies and examples. *The Journal of Systems and Software*, 19 (2):153–157, October 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Emdad:1991:EIE

[Emd91] Ali Emdad. An empirical investigation of the effectiveness of software documentation delivery systems. *The Journal of Systems and Software*, 16(2):129–134, October 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

England:1981:ICS

[Eng81] Gordon R. England. Implementation of computing standards. *The Journal of Systems and Software*, 2(4):371–377, December 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Eassa:1995:ADA

[EOM95] F. E. Eassa, L. J. Osterweil, and M. Z. Abdel Mageed. AIDA: a dynamic analyzer for Ada programs. *The Journal of Systems and Software*, 31(3):239–255, December 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Eriksson:1992:SKA

[Eri92] Henrik Eriksson. A survey of knowledge acquisition techniques and tools and their relationship to software engineering. *The Journal of Systems and Software*, 19(1):97–107, September 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ellison:1985:EGS

[ES85] Robert J. Ellison and Barbara J. Staudt. Evolution of the Gandalf system. *The Journal of Systems and Software*, 5(2):107–119, May 1985. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Elboushi:1997:OOS

[ES97] Mekki I. Elboushi and Joseph S. Sherif. Object-oriented software design utilizing Quality Function Deployment. *The Journal of Systems and Software*, 38(2):133–143, August 1997. CODEN JS-

SODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Eskenasi:1989:ESP

[Esk89] Avram Eskenasi. Evaluation of software product quality by means of classification methods. *The Journal of Systems and Software*, 10(3):213–216, October 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Evangelist:1983:SCM

[Eva83] W. M. Evangelist. Software complexity metric sensitivity to program structuring rules. *The Journal of Systems and Software*, 3(3):231–243, September 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Evanco:1995:MEC

[Eva95] William M. Evanco. Modeling the effort to correct faults. *The Journal of Systems and Software*, 29(1):75–84, April 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Evanco:1997:PAD

[Eva97] William M. Evanco. Poisson analyses of defects for small software components. *The Journal of Systems and Software*, 38(1): 27–35, July 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Fairley:1983:EIa

[Fai83a] Richard E. Fairley. Editor's introduction. *The Journal of Systems and Software*, 3(2):105, June 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Fairley:1983:EIb

[Fai83b] Richard E. Fairley. Editor's introduction. *The Journal of Systems and Software*, 3(3):185, September 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Fairley:1983:EIc

[Fai83c] Richard E. Fairley. Editor's introduction. *The Journal of Systems and Software*, 3(4):253–254, December 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Fairley:1984:EI

[Fai84] Richard E. Fairley. Editor's introduction. *The Journal of Systems and Software*, 4(1):1, April 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Fairfield:1985:SST

[Fai85a] P. Fairfield. STRAPS — a software transport system for low-level software. *The Journal of Systems and Software*, 5(4): 291–302, November 1985. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Fairley:1985:EI

[Fai85b] Richard E. Fairley. Editor's introduction. *The Journal of Systems and Software*, 5(1):1,

February 1985. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Furuyama:1994:FGM

[FAI94] Tsuneo Furuyama, Yoshio Arai, and Kazuhiko Iio. Fault generation model and mental stress effect analysis. *The Journal of Systems and Software*, 26(1):31–42, July 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Furuyama:1997:AFG

[FAI97] Tsuneo Furuyama, Yoshio Arai, and Kazuhiko Iio. Analysis of fault generation caused by stress during software development. *The Journal of Systems and Software*, 38(1):13–25, July 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Fritzson:1994:UAD

[FAS94] Peter Fritzson, Mikhail Auguston, and Nahid Shahmehri. Using assertions in declarative and operational models for automated debugging. *The Journal of Systems and Software*, 25(3): 223–239, June 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Feng:1996:UAW

[FC96] Li-Chi Feng and Ruei-Chuan Chang. Using asynchronous writes on metadata to improve file system performance. *The Journal of Systems and Software*, 35(1):43–54, October 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Fenton:1993:HES

[Fen93] Norman Fenton. How effective are software engineering methods? *The Journal of Systems and Software*, 22(2):141–146, August 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ferchichi:1993:HCL

[Fer93] Ahmed Ferchichi. Heuristics for constructing logic programs. *The Journal of Systems and Software*, 23(3):225–233, December 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Friedman:1987:MMS

[FF87] Hershey H. Friedman and Linda Weiser Friedman. Marketing methods for software. *The Journal of Systems and Software*, 7(3):207–212, September 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Friedman:1989:MUP

[FF89] Hershey H. Friedman and Linda Weiser Friedman. Myths, unethical practices, personnel requirements: What do computer industry professionals really believe? *The Journal of Systems and Software*, 10(2): 151–153, September 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Frakes:1995:MRA

[FF95] William B. Frakes and Christopher J. Fox. Modeling reuse across the software life cycle. *The Journal of Systems and Software*, 30(3):295–301, September 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Finney:1996:EEZ

[FF96] Kate Finney and Norman Fenton. Evaluating the effectiveness of *Z*: The claims made about CICS and where we go from here. *The Journal of Systems and Software*, 35(3):209–216, December 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Fernandez:1993:DLD

[FG93] Mariano G. Fernandez and Sumit Ghosh. Ddbx-LPP: a dynamic software tool for debugging asynchronous distributed algorithms on loosely coupled parallel processors. *The Journal of Systems and Software*, 22(1): 27–43, July 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Fuggetta:1994:SAO

[FG94] Alfonso Fuggetta and Carlo Ghezzi. State of the art and open issues in process-centered software engineering environments. *The Journal of Systems and Software*, 26(1):53–60, July 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Fickas:1989:DIR

[Fic89] Stephen Fickas. Design issues in a rule-based system. *The Journal of Systems and Software*, 10(2): 113–123, September 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Fisher:1981:SQS

[Fis81] Matthew J. Fisher. Software QA standards — the coming revolution. *The Journal of Systems and Software*, 2(4):357–362, December 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Fisher:1991:IAI

[Fis91] A. J. Fisher. Incremental algorithms for interactive text formatting. *The Journal of Systems and Software*, 16(1):3–16, September 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Feijs:1998:HPA

[FJ98] L. M. G. Feijs and H. B. M. Jonkers. History, principles and application of the SPRINT method. *The Journal of Systems and Software*, 41(3):199–219, June 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/41/3/6020.pdf`.

Friedman:1992:HAR

[FK92] Batya Friedman and Peter H. Kahn, Jr. Human agency and

responsible computing: Implications for computer system design. *The Journal of Systems and Software*, 17(1):7–14, January 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Fletcher:1995:RCR

[Fle95] Peter Fletcher. Readers' corner: The role of experiments in computer science. *The Journal of Systems and Software*, 30(1–2): 161–163, July/August 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Frakes:1991:EET

[FLN91] W. B. Frakes, D. J. Lubinsky, and D. N. Neal. Experimental evaluation of a test coverage analyzer for C and C++. *The Journal of Systems and Software*, 16 (2):135–139, October 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Fugini:1987:CMA

[FM87] Mariagrazia Fugini and Giancarlo Martella. Conceptual modeling of authorization in database systems. *The Journal of Systems and Software*, 7(1): 3–13, March 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Fenton:1990:DSB

[FM90a] Norman Fenton and Austin Melton. Deriving structurally based software measures. *The Journal of Systems and Software*, 12(3):177–187, July 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Finance:1990:FSI

[FM90b] Jean Pierre Finance and Ali Mili. A foreword to the Special Issue of the Journal of Systems and Software on the Role of Languages in Programming (the Tenth Tunisian-French Seminar of Computer Science). *The Journal of Systems and Software*, 12(2):83–85, May 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Fenelon:1993:ITS

[FM93] Peter Fenelon and John A. McDermid. An integrated tool set for software safety analysis. *The Journal of Systems and Software*, 21(3):279–290, June 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Fdida:1986:QSR

[FMP86] S. Fdida, D. Mailles, and G. Pujolle. Queueing systems with resource sharing. *The Journal of Systems and Software*, 6(1–2): 23–29, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Foulk:1985:APN

[FN85] Patrick W. Foulk and Salwa M. Nassar. Analysis of parallelism in nested do loops. *The Journal of Systems and Software*, 5 (1):73–80, February 1985. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Florin:1986:OPU

[FN86] G. Florin and S. Natkin. One-place unbounded stochastic Petri nets: Ergodic criteria and steady-state solutions. *The Journal of Systems and Software*, 6 (1–2):103–115, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Fenton:1999:SMS

[FN99] Norman E. Fenton and Martin Neil. Software metrics: successes, failures and new directions. *The Journal of Systems and Software*, 47(2–3):149–157, July 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/47/2-3/6150.pdf`.

Fruth:1996:PBO

[FPW96] Lisa Spicknall Fruth, James M. Purtilo, and Elizabeth L. White. A pattern-based object-linking mechanism for component-based software development environments. *The Journal of Systems and Software*, 32(3):227–235, March 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Fraisse:1986:EPA

[Fra86] P. Fraisse. Efficient parallel algorithm for the transitive closure of a graph. *The Journal of Systems and Software*, 6(1–2):165–168, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Frankel:1990:HKB

[Fra90] Ric Frankel. A hybrid knowledge-based approach to structured selection. *The Journal of Systems and Software*, 13(1):13–23, September 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Finney:1998:MCS

[FRF98] Kate Finney, Keith Rennolls, and Alex Fedorec. Measuring the comprehensibility of *Z* specifications. *The Journal of Systems and Software*, 42 (1):3–15, July 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/42/1/6023.pdf`.

Fritzson:1983:SDT

[Fri83] Peter Fritzson. Symbolic debugging through incremental compilation in an integrated environment. *The Journal of Systems and Software*, 3(4):285–294, December 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Frieder:1990:FTH

[Fri90] Ophir Frieder. Fault tolerance on a hypercube: a database application. *The Journal of Systems and Software*, 13(1):25–38, September 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Farr:1988:TSM

[FS88] William H. Farr and Oliver D. Smith. Tool for statistical modeling and estimation of reliability functions for software: Smerfs. *The Journal of Systems and Software*, 8(1):47–55, January 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Frieder:1991:DUC

[FS91] Ophir Frieder and Mark E. Segal. On dynamically updating a computer program: From concept to prototype. *The Journal of Systems and Software*, 14(2): 111–128, February 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Felix-Simpson:1987:IAM

[FSA87] Susan C. Felix-Simpson and H. Pat Artis. Implementing an analytic model for Customer Information Control Systems (CICS). *The Journal of Systems and Software*, 7(1):51–60, March 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Fiutem:1999:PAP

[FTAM99] R. Fiutem, P. Tonella, G. Antoniol, and E. Merlo. Points-to analysis for program understanding. *The Journal of Systems and Software*, 44(3):213–227, January 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/44/3/6086.pdf`.

Fuggetta:1999:RMS

[Fug99] Alfonso Fuggetta. Rethinking the modes of software engineering research. *The Journal of Systems and Software*, 47(2–3): 133–138, July 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/47/2-3/6148.pdf`.

Furbach:1993:FSM

[Fur93] Ulrich Furbach. Formal specification methods for reactive systems. *The Journal of Systems and Software*, 21(2):129–139, May 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ford:1990:ICB

[FW90] Ray Ford and Mary Pfreundschuh Wagner. Incremental concurrent builds for modular systems ·. *The Journal of Systems and Software*, 13(3):157–176, November 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Finnie:1997:CSE

[FWD97] G. R. Finnie, G. E. Wittig, and J.-M. Desharnais. A comparison of software effort estimation techniques: Using function points with neural networks, case-based reasoning and regression models. *The Journal of Systems and Software*, 39(3):

281–289, December 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Frankl:1997:AUV

[FWH97] Phyllis G. Frankl, Stewart N. Weiss, and Cang Hu. All-uses vs mutation testing: an experimental comparison of effectiveness. *The Journal of Systems and Software*, 38(3):235–253, September 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Finnie:1993:PSD

[FWP93] Gavin R. Finnie, Gerhard E. Wittig, and Doncho I. Petkov. Prioritizing software development productivity factors using the analytic hierarchy process. *The Journal of Systems and Software*, 22(2):129–139, August 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Foreman:1993:SEC

[FZ93] Lynn M. Foreman and Stuart H. Zweben. A study of the effectiveness of control and data flow testing strategies. *The Journal of Systems and Software*, 21(3): 215–228, June 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Fang:1995:MTP

[FZHS95] Ming Fang, Hussein S. M. Zedan, and Chris J. Ho-Stuart. A model for timed-probabilistic behaviors. *The Journal of Systems and Software*, 28(3):239–251, March 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Griswold:1995:MDT

[GA95] William G. Griswold and Darren C. Atkinson. Managing design trade-offs for a program understanding and transformation tool. *The Journal of Systems and Software*, 30(1–2):99–116, July/August 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Gupta:1992:CPA

[GAK92] Meenakshi Gupta, Manju Agarwal, and Ashok Kumar. A comparative performance analysis of a multidisk system under head-of-the-line and alternating priority disciplines. *The Journal of Systems and Software*, 19(1):59–68, September 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Gantenbein:1991:DBS

[Gan91] Rex E. Gantenbein. Dynamic binding in strongly typed programming languages. *The Journal of Systems and Software*, 14 (1):31–38, January 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Gaspoz:1996:MDD

[Gas96] Jean-Paul Gaspoz. Methodology for the development of distributed telecommunications services. *The Journal of Systems and Software*, 33(3):253–271, June 1996. CODEN JS-

SODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Guan:1992:MPS

[GAW92] Sheng-Uei Guan and Hussein Abdel-Wahab. Multiuser processes and shared capability lists for shared workspace collaboration. *The Journal of Systems and Software*, 19(1):3–12, September 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Guan:1991:JOO

[GAWC91] Sheng-Uei Guan, Hussein Abdel-Wahab, and Peter Calingaert. Jointly-owned objects for collaboration: Operating-system support and protection model. *The Journal of Systems and Software*, 16(2):85–95, October 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Gowen:1994:ATV

[GC94] Lon D. Gowen and James S. Collofello. Assessing traditional verification's effectiveness on safety-critical software systems. *The Journal of Systems and Software*, 26(2):103–115, August 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Grasso:1986:PAC

[GDF86] P. A. Grasso, T. S. Dillon, and K. E. Forward. Performance analysis of common bus multimicroprocessor systems. *The Journal of Systems and Software*, 6 (1–2):71–79, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Gentleman:1983:HAH

[GH83] W. Morven Gentleman and Henry Hoeksma. Hardware assisted high-level debugging. *The Journal of Systems and Software*, 3(4):309–314, December 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Gaviotis:1991:CSE

[GHC91] I. Gaviotis, A. Hatzimanikatis, and D. Christodoulakis. Communicating in software engineering environments: The GRASPIN paradigm. *The Journal of Systems and Software*, 15(1):83–89, April 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Girardi:1995:UER

[GI95] M. R. Girardi and B. Ibrahim. Using English to retrieve software. *The Journal of Systems and Software*, 30(3):249–270, September 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Giese:1979:PCC

[Gie79] Clarence Giese. Partitioning considerations for complex computer based weapon systems. *The Journal of Systems and Software*, 1(1):3–18, ???? 1979. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Gilb:1988:PND

[Gil88] Tom Gilb. The pre-natal death of the CIS project: a software disaster story. *The Journal of Systems and Software*, 8(3):161–163, June 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Gantenbein:1988:DID

[GJ88] Rex E. Gantenbein and Douglas W. Jones. The design and implementation of a dynamic binding feature for a high-level language. *The Journal of Systems and Software*, 8(4):259–273, September 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Guidec:1996:OOF

[GJP96] F. Guidec, J.-M. Jézéquel, and J.-L. Pacherie. An object-oriented framework for supercomputing. *The Journal of Systems and Software*, 33(3):239–251, June 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Geenens:1991:ISC

[GK91a] Ronald Geenens and Mustafa Kamal. An industry study of computer practices. *The Journal of Systems and Software*, 16 (1):75–80, September 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Gerlach:1991:FDH

[GK91b] James H. Gerlach and Feng-Yang Kuo. Formal development of hybrid user-computer interfaces with advanced forms of user assistance. *The Journal of Systems and Software*, 16(3): 169–183, November 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Gerogiannis:1998:CSC

[GKP98] Vasilis C. Gerogiannis, Achilles D. Kameas, and Panayotis E. Pintelas. Comparative study and categorization of high-level Petri nets. *The Journal of Systems and Software*, 43(2):133–160, November 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/43/2/6056.pdf`.

Glass:1986:ECD

[Gla86] Robert L. Glass. Editor's corner: "Dangerous and misleading": A look at software research via the Parnas papers. *The Journal of Systems and Software*, 6(3):217–218, August 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1988:ECM

[Gla88a] Robert L. Glass. Editor's corner: a mythology of technology transfer. *The Journal of Systems and Software*, 8(4):257, September 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1988:ECR

[Gla88b] Robert L. Glass. Editor's corner: Robert L. Glass: Software technology transfer: a multiflawed process (the road to productivity is full of potholes). *The Journal of Systems and Software*, 8(5): 339–341, December 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1988:ECS

[Gla88c] Robert L. Glass. Editor's corner: Software productivity improvement: Who's doing what? *The Journal of Systems and Software*, 8(3):159–160, June 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1989:EC

[Gla89a] Robert L. Glass. Editor's corner. *The Journal of Systems and Software*, 9(1):1–2, January 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1989:ECHa

[Gla89b] Robert L. Glass. Editor's corner: How about next year? A look at a study of technology maturation. *The Journal of Systems and Software*, 9(3):167–168, March 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1989:ECHb

[Gla89c] Robert L. Glass. Editor's corner: How can computer science truly become a science, and software engineering truly become engineering? *The Journal of Systems and Software*, 10(2):75–76, September 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1989:ECM

[Gla89d] Robert L. Glass. Editor's corner: My trivial/brilliant concept called "problem solving". *The Journal of Systems and Software*, 9(2):77–78, February 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1989:ECSc

[Gla89e] Robert L. Glass. Editor's corner: Should a journal publish a virus? *The Journal of Systems and Software*, 10(4):229, November 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1989:ECSb

[Gla89f] Robert L. Glass. Editor's corner: Software metrics: of lightning rods and built-up tension. *The Journal of Systems and Software*, 10(3):157–158, October 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1989:ECSa

[Gla89g] Robert L. Glass. Editor's corner: Some thoughts on software errors. *The Journal of Systems and Software*, 9(4):243–244, May 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1989:ECL

[Gla89h] Robert L. Glass. Editor's corner: The legend of the bad software project. *The Journal of Systems and Software*, 10(1):1, July 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1989:TRB

[Gla89i] Robert L. Glass. The temporal relationship between theory and practice. *The Journal of Systems and Software*, 10(1):65–67, July 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1990:ECL

[Gla90a] Robert L. Glass. Editor's corner: At last — some measured results of the "structured revolution". *The Journal of Systems and Software*, 13(1):1, September 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1990:ECA

[Gla90b] Robert L. Glass. Editor's corner: Automatic programming — a cocktail party myth? *The Journal of Systems and Software*, 13(2):85–86, October 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1990:ECMb

[Gla90c] Robert L. Glass. Editor's corner: Mikhail Gorbachev and software productivity (!?). *The Journal of Systems and Software*, 13(3): 151–152, November 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1990:ECSa

[Gla90d] Robert L. Glass. Editor's corner: Software design: Is there madness in a method? *The Journal of Systems and Software*, 11(1): 1–2, January 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1990:ECSb

[Gla90e] Robert L. Glass. Editor's corner: Software maintenance is a solution — not a problem. *The Journal of Systems and Software*, 11 (2):77–78, February 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1990:ECSc

[Gla90f] Robert L. Glass. Editor's corner: Some pros and cons on (of all things!) references. *The Journal of Systems and Software*, 11(3): 157, March 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1990:ECMa

[Gla90g] Robert L. Glass. Editor's corner: The mystery of the little Chinese boy and his computer. *The Journal of Systems and Software*, 12 (1):1–2, April 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1990:ECT

[Gla90h] Robert L. Glass. Editor's corner: Theory versus practice —

revisited. *The Journal of Systems and Software*, 12(2):81–82, May 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1991:ECCa

[Gla91a] Robert L. Glass. Editor's corner: 4GLs and CASE: What's the payoff? *The Journal of Systems and Software*, 14(3):131–132, March 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1991:ECR

[Gla91b] Robert L. Glass. Editor's corner: a report from the best and brightest. *The Journal of Systems and Software*, 14(1):1–2, January 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1991:ECF

[Gla91c] Robert L. Glass. Editor's corner: Formal methods vs. heuristics: Clarifying a controversy. *The Journal of Systems and Software*, 15(2):103–105, May 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1991:ECQ

[Gla91d] Robert L. Glass. Editor's corner: Quality software: What is management's role? *The Journal of Systems and Software*, 16(2):83–84, October 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1991:ECSa

[Gla91e] Robert L. Glass. Editor's corner: Software maintenance: It's time to educate the educators. *The Journal of Systems and Software*, 14(2):65–66, February 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1991:ECSd

[Gla91f] Robert L. Glass. Editor's corner: Software productivity: What is management's role? *The Journal of Systems and Software*, 16(3):167–168, November 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1991:ECSc

[Gla91g] Robert L. Glass. Editor's corner: Structured research? (A partly tongue-in-cheek look). *The Journal of Systems and Software*, 16(1):1–2, September 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1991:ECCb

[Gla91h] Robert L. Glass. Editor's corner: The computing communication chasm: Some new insight into why it is there, and what can be done about it. *The Journal of Systems and Software*, 15(1):1–2, April 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1991:ECSb

[Gla91i] Robert L. Glass. Editor's corner: The (solved, unsolved) problem

of literature searches. *The Journal of Systems and Software*, 15 (3):203–204, July 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1992:CAT

[Gla92a] Robert L. Glass. A comparative analysis of the topic areas of computer science, software engineering, and information systems. *The Journal of Systems and Software*, 19(3): 277–289, November 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1992:ECF

[Gla92b] Robert L. Glass. Editor's corner: Finally — someone who understands where software quality fits in. *The Journal of Systems and Software*, 19(3):205–206, November 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1992:ECBb

[Gla92c] Robert L. Glass. Editor's corner: On becoming obsolete. *The Journal of Systems and Software*, 18(1):3–4, April 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1992:ECBa

[Gla92d] Robert L. Glass. Editor's corner: The best and worst of software in the 1980s. *The Journal of Systems and Software*, 17 (2):109–110, February 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1992:ECIa

[Gla92e] Robert L. Glass. Editor's corner: The importance of software quality in the 1990s. *The Journal of Systems and Software*, 17 (3):203–204, March 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1992:ECIb

[Gla92f] Robert L. Glass. Editor's corner: The importance of the application domain cluster. *The Journal of Systems and Software*, 18(3): 205–206, July 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1992:ECL

[Gla92g] Robert L. Glass. Editor's corner: The link between software quality and software maintenance. *The Journal of Systems and Software*, 19(1):1–2, September 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1992:ECW

[Gla92h] Robert L. Glass. Editor's corner: We have lost our way. *The Journal of Systems and Software*, 18(2):111–112, May 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1993:ECC

[Gla93a] Robert L. Glass. Editor's corner: Can English majors write maintenance documentation? *The Journal of Systems and Software*, 21(1):1–2, April 1993. CO-

DEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1993:ECD

[Gla93b] Robert L. Glass. Editor's corner: in defense of adhocracy. *The Journal of Systems and Software*, 22(3):149–150, September 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1993:ECO

[Gla93c] Robert L. Glass. Editor's corner: Object-orientation: Theory and practice. *The Journal of Systems and Software*, 20(1):1–2, January 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1993:ECU

[Gla93d] Robert L. Glass. Editor's corner: Of understanding, acceptance, ... and formal methods. *The Journal of Systems and Software*, 21(2):115–116, May 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1993:ECS

[Gla93e] Robert L. Glass. Editor's corner: Software estimation is not a rational process. *The Journal of Systems and Software*, 23(1):1–2, October 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1993:ECG

[Gla93f] Robert L. Glass. Editor's corner: The gold we've failed to mine. *The Journal of Systems and Software*, 22(2):79–80, August 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1993:ECM

[Gla93g] Robert L. Glass. Editor's corner: The many flavors of testing. *The Journal of Systems and Software*, 20(2):105–106, February 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1993:ECW

[Gla93h] Robert L. Glass. Editor's corner: Which do you think? Modern methods will lead to less software maintenance, or more? *The Journal of Systems and Software*, 23(3):209–210, December 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1993:EDW

[Gla93i] Robert L. Glass. Error detection: Which is better, reviews or testing? *The Journal of Systems and Software*, 22(1):1–2, July 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1994:ASS

[Gla94a] Robert L. Glass. Assessment of systems and software engineering scholars and institutions. *The Journal of Systems and Software*, 27(1):63–67, October 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1994:ECTb

[Gla94b] Robert L. Glass. Editor's corner: a tabulation of topics where software practice leads software theory. *The Journal of Systems and Software*, 25(3):219–222, June 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1994:ECDa

[Gla94c] Robert L. Glass. Editor's corner: Discipline and creativity: An odd couple. *The Journal of Systems and Software*, 26(3):195, September 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1994:ECDb

[Gla94d] Robert L. Glass. Editor's corner: Discipline is a dirty word: a story about the software life cycle. *The Journal of Systems and Software*, 27(1):1–2, October 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1994:ECM

[Gla94e] Robert L. Glass. Editor's corner: My readers write: Some thoughts on formal methods. *The Journal of Systems and Software*, 27(2):71–72, November 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1994:ECO

[Gla94f] Robert L. Glass. Editor's corner: Object-orientation: Theory and Practice (II). *The Journal of Systems and Software*, 24(2):91–93, February 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1994:ECF

[Gla94g] Robert L. Glass. Editor's corner: The faking of software design. *The Journal of Systems and Software*, 26(2):101–102, August 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1994:ECTa

[Gla94h] Robert L. Glass. Editor's corner: Theory + practice: a disturbing example. *The Journal of Systems and Software*, 25(2):125–126, May 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1994:ECU

[Gla94i] Robert L. Glass. Editor's corner: User satisfaction. *The Journal of Systems and Software*, 24(1):1–2, January 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1995:ECC

[Gla95a] Robert L. Glass. Editor's corner: a close escape from greatness. *The Journal of Systems and Software*, 28(2):93–95, February 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1995:ECT

[Gla95b] Robert L. Glass. Editor's corner: a theory about software's

practice. *The Journal of Systems and Software*, 28(3):187–188, March 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1995:ECA

[Gla95c] Robert L. Glass. Editor's corner: An assessment of systems and software engineering scholars and institutions, 1993 and 1994. *The Journal of Systems and Software*, 31(1):3–6, October 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1995:ECB

[Gla95d] Robert L. Glass. Editor's corner: Beyond formal methods. *The Journal of Systems and Software*, 29(2):95–96, May 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1995:ECS

[Gla95e] Robert L. Glass. Editor's corner: In search of an obvious yet radical idea. *The Journal of Systems and Software*, 31(1):1–2, October 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1995:ECP

[Gla95f] Robert L. Glass. Editor's corner: Plenty of pitfalls: There are numbers and then there are numbers. *The Journal of Systems and Software*, 31(2):95–96, November 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1995:RCE

[Gla95g] Robert L. Glass. Readers' corner: an exchange with an anonymous reader, and a call for help from either researchers or librarians. *The Journal of Systems and Software*, 30(1–2):160, July/August 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1995:SAF

[Gla95h] Robert L. Glass. Software automation: Fact or fraud? *The Journal of Systems and Software*, 31(3):183–184, December 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1995:SBC

[Gla95i] Robert L. Glass. Structure-based critique of contemporary computing research. *The Journal of Systems and Software*, 28(1):3–7, January 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1995:TCS

[Gla95j] Robert L. Glass. Turning the corner... to the same old street: a fundamental nonchange in JSS policy. *The Journal of Systems and Software*, 28(1):1–2, January 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1996:ASS

[Gla96a] Robert L. Glass. An assessment of systems and software

engineering scholars and institutions (1993–1995). *The Journal of Systems and Software*, 35 (1):85–89, October 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1996:ECA

[Gla96b] Robert L. Glass. Editor's corner: About software engineering hype. *The Journal of Systems and Software*, 34(1):1, July 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1996:ECC

[Gla96c] Robert L. Glass. Editor's corner: Computer support for creativity. *The Journal of Systems and Software*, 34(2):85–87, August 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1996:ECF

[Gla96d] Robert L. Glass. Editor's corner: Formal methods: a dramatic (success, failure) story. *The Journal of Systems and Software*, 32(2):99–100, February 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1996:ECMa

[Gla96e] Robert L. Glass. Editor's corner: Mathematics and the computer scientist. *The Journal of Systems and Software*, 34(3): 173–176, September 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1996:ECMb

[Gla96f] Robert L. Glass. Editor's corner: Methodologies: Bend to fit? *The Journal of Systems and Software*, 35(2):93–94, November 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1996:ECO

[Gla96g] Robert L. Glass. Editor's corner: Object-orientation claims: Naturalness, seamlessness seem doubtful. *The Journal of Systems and Software*, 33(1):1–2, April 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1996:ECSa

[Gla96h] Robert L. Glass. Editor's corner: Study supports existence of software crisis; management issues appear to be prime cause. *The Journal of Systems and Software*, 32(3):183–184, March 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1996:ECN

[Gla96i] Robert L. Glass. Editor's corner: The non-goal-oriented committee meeting. *The Journal of Systems and Software*, 35(3): 167–168, December 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1996:ECSb

[Gla96j] Robert L. Glass. Editor's corner: The strange case of the proofreader's pencil. *The Journal of*

Systems and Software, 35(1):1–2, October 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1996:ECW

[Gla96k] Robert L. Glass. Editor's corner: What has happened to the 1995 "Nonchange" in JSS. *The Journal of Systems and Software*, 32(1):1–2, January 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1997:ASS

[Gla97a] Robert L. Glass. Assessment of systems and software engineering scholars and institutions (1993–1996). *The Journal of Systems and Software*, 39(1):83–88, October 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1997:CID

[Gla97b] Robert L. Glass. COBOL: Is it dying or thriving? *The Journal of Systems and Software*, 39(3):197–199, December 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1997:ECP

[Gla97c] Robert L. Glass. Editor's corner: Are programmers really "out of control"? *The Journal of Systems and Software*, 36(2):101–102, February 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1997:ECCa

[Gla97d] Robert L. Glass. Editor's corner: Client/server: Boom or bust? *The Journal of Systems and Software*, 37(2):99–100, May 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1997:ECCb

[Gla97e] Robert L. Glass. Editor's corner: Computer science Ph.D. production — more institutions, fewer degrees, more students (!). *The Journal of Systems and Software*, 39(2):91, November 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1997:ECG

[Gla97f] Robert L. Glass. Editor's corner: "good enough" software — a unique American advantage. *The Journal of Systems and Software*, 38(2):105–106, August 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1997:ECTb

[Gla97g] Robert L. Glass. Editor's corner: Is there anything "time-honored" in the field of software? *The Journal of Systems and Software*, 38(3):195–196, September 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1997:ECSb

[Gla97h] Robert L. Glass. Editor's corner: Some brainstorming thoughts

about the date crisis problem. *The Journal of Systems and Software*, 37(3):177–179, June 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1997:ECSa

[Gla97i] Robert L. Glass. Editor's corner: Some thoughts on automatic code generation. *The Journal of Systems and Software*, 37(1):1–3, April 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1997:ECTc

[Gla97j] Robert L. Glass. Editor's corner: Top scholars and institutions study reaching maturity: a lesson re-learned. *The Journal of Systems and Software*, 39(1): 1–2, October 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1997:ECTa

[Gla97k] Robert L. Glass. Editor's corner: Two years later: What has happened to the 1995 "nonchange" in JSS policy? *The Journal of Systems and Software*, 36(1): 1, January 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1997:PSW

[Gla97l] Robert L. Glass. Pilot studies: What, why and how. *The Journal of Systems and Software*, 36 (1):85–97, January 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1997:SRP

[Gla97m] Robert L. Glass. Software reflections — a pioneer's view of the history of the field. *The Journal of Systems and Software*, 36 (3):203–209, March 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1998:AC

[Gla98a] Robert L. Glass. Anecdote corner. *The Journal of Systems and Software*, 43(1):65–176, October 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1998:ASS

[Gla98b] Robert L. Glass. An assessment of systems and software engineering scholars and institutions (1993–1997). *The Journal of Systems and Software*, 43(1): 59–64, October 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/43/1/6065.pdf`. See corrigendum [Gla99b].

Glass:1998:EECa

[Gla98c] Robert L. Glass. Editorial — Editor's corner: a success/failure story. *The Journal of Systems and Software*, 43(2):83–84, November 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1998:EECb

[Gla98d] Robert L. Glass. Editorial — Editor's corner. Webwork: Is it sys-

tems development? how can we learn about doing it better? *The Journal of Systems and Software*, 44(1):1–2, December 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1998:EWW

[Gla98e] Robert L. Glass. Editorial: a word of warning about reuse. *The Journal of Systems and Software*, 41(3):145–146, June 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1998:ECC

[Gla98f] Robert L. Glass. Editor's corner: Cleaning up the trash after Y2K gets "solved". *The Journal of Systems and Software*, 43(3): 161–163, November 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1998:ECE

[Gla98g] Robert L. Glass. Editor's corner. expert systems: Failure or success? *The Journal of Systems and Software*, 43(1):1–2, October 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1998:ECH

[Gla98h] Robert L. Glass. Editor's corner: How long do information systems last? *The Journal of Systems and Software*, 40(2):91, February 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1998:ECS

[Gla98i] Robert L. Glass. Editor's Corner: Software runaways — Some surprising findings. *The Journal of Systems and Software*, 41 (2):75–77, May 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/41/2/6008.pdf`.

Glass:1998:ECW

[Gla98j] Robert L. Glass. Editor's corner: "who cares?" technologies in practice. *The Journal of Systems and Software*, 41(1): 1–2, April 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1998:ECY

[Gla98k] Robert L. Glass. Editor's corner: yet another date crisis — Y2k is only the beginning. *The Journal of Systems and Software*, 40(1): 1–2, January 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glass:1999:ASS

[Gla99a] Robert L. Glass. An assessment of systems and software engineering scholars and institutions (1994–1998). *The Journal of Systems and Software*, 49 (1):81–86, December 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/46/25/32/article.pdf;`

http://www.elsevier.nl/gej-ng/10/29/11/46/25/abstract.html. See corrigendum [Gla00].

Glass:1999:CAS

[Gla99b] Robert L. Glass. Corrigendum to "An assessment of systems and software engineering scholars and institutions (1993–1997)" [Journal of Systems and Software 43 (1998) 59–64]. *The Journal of Systems and Software*, 48(1):73, August 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL http://www.elsevier.nl/gej-ng/10/29/11/37/17/23/; http://www.elsevier.nl/gej-ng/10/29/11/37/17/23/article.pdf. See [Gla98b].

Glass:1999:EEA

[Gla99c] Robert L. Glass. Examining the effects of the "Application Revolution". *The Journal of Systems and Software*, 46 (1):1–5, April 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL http://www.elsevier.com/cas/tree/store/jss/sub/1999/46/1/6110.pdf.

Glass:1999:CSE

[Gla99d] Robert L. Glass. Of counting schemes and end-of-century partying. *The Journal of Systems and Software*, 47(1):1–2, May 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL http://www.elsevier.com/cas/tree/store/jss/sub/1999/47/1/6132.pdf.

Glass:2000:CAS

[Gla00] Robert L. Glass. Corrigendum to: an assessment of systems and software engineering scholars and institutions (1994–1998) [The Journal of Systems and Software 49 (1) (1999) 81–86]. *The Journal of Systems and Software*, 51(3):275, May 1, 2000. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL http://www.elsevier.nl/gej-ng/10/29/11/50/28/33/article.pdf; http://www.elsevier.nl/gej-ng/10/29/11/50/28/abstract.html. See [Gla99a].

Ghezzi:1990:TLL

[GMM90] Carlo Ghezzi, Dino Mandrioli, and Angelo Morzenti. TRIO: a logic language for executable specifications of real-time systems. *The Journal of Systems and Software*, 12(2):107–123, May 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ghezzi:1994:VTR

[GMP94] Carlo Ghezzi, Sandro Morasca, and Mauro Pezzè. Validating timing requirements for time basic net specifications. *The Journal of Systems and Software*, 27 (2):97–117, November 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Goel:1980:SED

[Goe80] Amrit L. Goel. Software error detection model with applications. *The Journal of Systems and Software*, 1(3):243–249, ???? 1980. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Goel:1984:ISI

[Goe84] Amrit L. Goel. Introduction to the special issue on the Fifth Minnowbrook Workshop on Software Performance Evaluation. *The Journal of Systems and Software*, 4(4):267, November 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Gomaa:1989:SDM

[Gom89] H. Gomaa. A software design method for distributed real-time applications. *The Journal of Systems and Software*, 9(2):81–94, February 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Gomaa:1994:SDM

[Gom94] Hassan Gomaa. Software design methods for the design of large-scale real-time systems. *The Journal of Systems and Software*, 25(2):127–146, May 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Gomaa:1995:RSR

[Gom95] Hassan Gomaa. Reusable software requirements and architectures for families of systems. *The Journal of Systems and Software*, 28(3):189–202, March 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Gonzalez:1995:UMS

[Gon95] Renato R. Gonzalez. A unified metric of software: Complexity: Measuring productivity, quality, and value. *The Journal of Systems and Software*, 29(1): 17–37, April 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Gorla:1991:PHD

[Gor91] Narasimhaiah Gorla. Performance of a hybrid DBMS using a case study. *The Journal of Systems and Software*, 14(3):199–214, March 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Gotterbarn:1990:WRS

[Got90] Donald Gotterbarn. A workshop report: Software Engineering Ethics. *The Journal of Systems and Software*, 11(3):215–216, March 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Gotterbarn:1992:ECP

[Got92a] Donald Gotterbarn. Editor's corner: Professional computer ethics. *The Journal of Systems and Software*, 17(1):5–6, January 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Gotterbarn:1992:UAC

[Got92b] Donald Gotterbarn. The use and abuse of computer ethics. *The Journal of Systems and Software*, 17(1):75–80, January 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Gotterbarn:1993:GEC

[Got93] Donald Gotterbarn. Guest Editor's corner: Object-oriented software development: a full life cycle. *The Journal of Systems and Software*, 23(2):83–84, November 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Golshani:1998:UIM

[GP98] Forouzan Golshani and Antonio Pizzarello. The use of immense memories for database systems: a pragmatic approach. *The Journal of Systems and Software*, 41 (1):41–50, April 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/41/1/6005.pdf`.

Gorla:1997:ESS

[GR97] Narasimhaiah Gorla and Ravi Ramakrishnan. Effect of software structure attributes on software development productivity. *The Journal of Systems and Software*, 36(2):191–199, February 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Gopinath:1992:DBD

[GRS92] Prabha Gopinath, Rajiv Ramnath, and Karsten Schwan. Data base design for real-time adaptations. *The Journal of Systems and Software*, 17(2):155–167, February 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Goutas:1991:GDB

[GSC91] S. Goutas, P. Soupos, and D. Christodoulakis. The GRASPIN data base. *The Journal of Systems and Software*, 15(1):75–82, April 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Gulezian:1991:RCC

[Gul91] Ronald Gulezian. Reformulating and calibrating COCOMO. *The Journal of Systems and Software*, 16(3):235–242, November 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Gulezian:1992:RC

[Gul92] Ronald Gulezian. Readers' corner. *The Journal of Systems and Software*, 18(1):2, April 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Gulezian:1996:HRS

[Gul96] Ronald Gulezian. Handling regression subsets in software modeling. *The Journal of Systems and Software*, 33(1):81–86, April 1996. CODEN JSSODM.

ISSN 0164-1212 (print), 1873-1228 (electronic). See response [BT97].

Glass:1992:TTS

[GV92] Robert L. Glass and Iris Vessey. Toward a taxonomy of software application domains: History. *The Journal of Systems and Software*, 17(2):189–199, February 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Glykas:1999:FMO

[GV99] Michalis Glykas and George Valiris. Formal methods in object oriented business modelling. *The Journal of Systems and Software*, 48(1):27–41, August 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/37/17/20/abstract.html`; `http://www.elsevier.nl/gej-ng/10/29/11/37/17/20/article.pdf`.

Griss:1995:HDS

[GW95] Martin L. Griss and Kevin D. Wentzel. Hybrid domain-specific kits. *The Journal of Systems and Software*, 30(3):213–230, September 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Habermann:1985:ADO

[Hab85] A. Nico Habermann. Automatic deletion of obsolete information. *The Journal of Systems and Software*, 5(2):145–154, May 1985. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hac:1986:MPA

[Hać86a] Anna Hać. Modelling parallel access to shared resources in a distributed file system using queueing networks. *The Journal of Systems and Software*, 6(1–2): 61–69, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hac:1986:PID

[Hać86b] Anna Hać. Performance-reliability issues in distributed file systems. *The Journal of Systems and Software*, 6(3):219–224, August 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hac:1988:MMC

[Hać88] Anna Hać. A multiprocessor model with classes of processes and priorities. *The Journal of Systems and Software*, 8(3):247–251, June 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hac:1989:BPE

[Haç89a] A. Haç. A benchmark for performance evaluation of a distributed file system. *The Journal of Systems and Software*, 9(2):273–285, February 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hac:1989:VPM

[Hać89b] Anna Hać. A validated performance model for distributed file systems. *The Journal of Systems and Software*, 10(3):169–185, October 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hac:1991:DAA

[Hać91] Anna Hać. Design algorithms for asynchronous write operations in disk-buffer-cache memory. *The Journal of Systems and Software*, 16(3):243–253, November 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hac:1992:PAP

[Hać92] Anna Hać. Performance analysis of the priority queues for the load-building algorithms. *The Journal of Systems and Software*, 19(1):69–74, September 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hac:1993:DAM

[Hać93] Anna Hać. A distributed algorithm for managing resources in a hierarchical network. *The Journal of Systems and Software*, 22(3):191–206, September 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hac:1994:DMA

[Hać94] Anna Hać. Distributed multicasting algorithm with congestion control and message routing. *The Journal of Systems and Software*, 24(1):49–65, January 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hager:1991:SCR

[Hag91] J. A. Hager. Software cost reduction methods in practice: a post-mortem analysis. *The Journal of Systems and Software*, 14(2):67–77, February 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Halang:1992:RTS

[Hal92] Wolfgang A. Halang. Real-time systems: Another perspective. *The Journal of Systems and Software*, 18(1):101–108, April 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hamlet:1981:HEC

[Ham81] Richard Hamlet. Hard-to-use evaluation criteria for software engineering. *The Journal of Systems and Software*, 2(2):89–96, June 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Harrison:1981:ETI

[Har81] P. G. Harrison. Efficient table-driven implementation of the finite state machine. *The Journal of Systems and Software*, 2(3): 201–211, September 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Harrison:1988:ISI

[Har88a] Warren Harrison. Introduction to the special issue on software engineering. *The Journal of Systems and Software*, 8(1):1–2, January 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Harrison:1988:MSM

[Har88b] Warren Harrison. Mae: a syntactic metric analysis environment. *The Journal of Systems and Software*, 8(1):57–62, January 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Harrison:1990:FSI

[Har90a] Warren Harrison. A foreword to the special issue on using software metrics. *The Journal of Systems and Software*, 13(2):87–88, October 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Harrison:1990:GEI

[Har90b] Warren Harrison. Guest Editor's introduction: The Oregon Workshop on Software Metrics. *The Journal of Systems and Software*, 12(3):175, July 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Harrison:1993:GEI

[Har93] Warren Harrison. Guest Editor's introduction. *The Journal of Systems and Software*, 20 (3):205–206, March 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Harrison:1994:GEI

[Har94] Warren Harrison. Guest Editor's introduction. *The Journal of Systems and Software*, 24(3): 209, March 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Harris:1995:WRO

[Har95a] Daniel P. Harris. Controversy corner: Who really owns "your" software programs? *The Journal of Systems and Software*, 29(2): 191–193, May 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Harrison:1995:GEC

[Har95b] Warren Harrison. Guest Editor's corner. *The Journal of Systems and Software*, 29(1):1, April 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hardgrave:1997:AOO

[Har97] Bill C. Hardgrave. Adopting object-oriented technology: Evolution or revolution? *The Journal of Systems and Software*, 37(1):19–25, April 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hartson:1998:HCI

[Har98] H. Rex Hartson. Human–computer interaction: Interdisciplinary roots and trends. *The Journal of Systems and Software*, 43(2):103–118, November 1, 1998. CODEN JSSODM. ISSN 0164-1212

(print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/43/2/6054.pdf`.

Harrold:1999:TES

[Har99] Mary Jean Harrold. Testing evolving software. *The Journal of Systems and Software*, 47(2–3):173–181, July 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/47/2-3/6152.pdf`.

Hasselbring:1998:PLA

[Has98] Wilhelm Hasselbring. The ProSet–Linda approach to prototyping parallel systems. *The Journal of Systems and Software*, 43(3):187–196, November 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/43/3/6060.pdf`.

Hatton:1999:RFF

[Hat99] Les Hatton. Repetitive failure, feedback and the lost art of diagnosis. *The Journal of Systems and Software*, 47(2–3):183–188, July 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/47/2-3/6153.pdf`.

Hayes:1986:PPE

[Hay86] Ann H. Hayes. Parallel-processing experiences on the Denelcor HEP computer. *The Journal of Systems and Software*, 6(1–2):7–10, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hartson:1983:MER

[HB83] H. Rex Hartson and Earl J. Balliet. Model of enforcement relationships among database access control dependencies. *The Journal of Systems and Software*, 3(3):201–217, September 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Howatt:1989:RDA

[HB89] J. W. Howatt and A. L. Baker. Rigorous definition and analysis of program complexity meaures — an example using nesting. *The Journal of Systems and Software*, 10(2):139–150, September 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Halliday:1994:ETS

[HBCC94] Michael Halliday, Inderpal Bhandari, Jarir Chaar, and Ram Chillarege. Experiences in transferring a software process improvement methodology to production laboratories. *The Journal of Systems and Software*, 26(1):61–68, July 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Howard:1999:EMI

[HBJ+99] Geoffry S. Howard, Thomas Bodnovich, Thomas Janicki, Jens Liegle, Steven Klein, Paul Albert, and David Cannon. The efficacy of matching information systems development methodologies with application characteristics — an empirical study. *The Journal of Systems and Software*, 45(3):177–195, March 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/45/3/6104.pdf`.

Harrison:1986:DNC

[HC86] Warren Harrison and Curtis Cook. Are deeply nested conditionals less readable? *The Journal of Systems and Software*, 6(4):335–341, November 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Harrison:1987:MMM

[HC87] Warren Harrison and Curtis Cook. Micro/macro measure of software complexity. *The Journal of Systems and Software*, 7(3):213–219, September 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ho:1991:RMP

[HCC91] Tsu-Feng Ho, Wah-Chun Chan, and Chyan-Goei Chung. Reliability modeling of parallel programs with modular structure using stochastic Petri nets. *The Journal of Systems and Software*, 16(2):121–128, October 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hirschhorn:1984:PBS

[HD84] S. Hirschhorn and A. M. Davis. Parallels between software and VLSI engineering. *The Journal of Systems and Software*, 4(1): 27–37, April 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Heeman:1990:IPE

[Hee90] Frans C. Heeman. Incremental parsing of expressions. *The Journal of Systems and Software*, 13 (1):55–69, September 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Heim:1995:CRM

[Hei95] Michael Heim. Controversy revisited: The Mythseeker Project. *The Journal of Systems and Software*, 28(1):89, January 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Henry:1988:THP

[Hen88] Sallie Henry. Technique for hiding proprietary details while providing sufficient information for researchers; or, do you recognize this well-known algorithm? *The Journal of Systems and Software*, 8(1):3–11, January 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Henninger:1995:IAT

[Hen95] Scott Henninger. Information access tools for software reuse. *The Journal of Systems and Software*, 30(3):231–247, September 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hetzel:1995:SSS

[Het95] William C. Hetzel. The sorry state of software practice measurement and evaluation. *The Journal of Systems and Software*, 31(2):171–179, November 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Huynh:1992:WMF

[HFK92] Khoa D. Huynh, Eduardo B. Fernandez, and Taghi M. Khoshgoftaar. A workload model for frame-based real-time applications on distributed systems. *The Journal of Systems and Software*, 18(3):255–271, July 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Henry:1991:CGT

[HG91] Sallie Henry and Roger Goff. Comparison of a graphical and a textual design language using software quality metrics. *The Journal of Systems and Software*, 14(3):133–146, March 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Horspool:1987:ADD

[HH87] R. Nigel Horspool and Ronald M. Huberman. Analysis and development of demand prepaging policies. *The Journal of Systems and Software*, 7(3):183–194, September 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Heiat:1997:MEE

[HH97] Abbas Heiat and Nafisseh Heiat. A model for estimating efforts required for developing small-scale business applications. *The Journal of Systems and Software*, 39 (1):7–14, October 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hilburn:1999:GDS

[HHB+99] Thomas B. Hilburn, Greg Hislop, Donald J. Bagert, Michael Lutz, Susan Mengel, and Michael McCracken. Guidance for the development of software engineering education programs. *The Journal of Systems and Software*, 49(2–3):163–169, December 30, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/46/26/32/article.pdf`; `http://www.elsevier.nl/gej-ng/10/29/11/46/26/abstract.html`.

Huang:1997:EBI

[HHL+97] Chung-Ming Huang, Jenq-Muh Hsu, Huei-Yang Lai, Duen-Tay Huang, and Jao-Chiang Pong. An Estelle-based incremental protocol design system. *The Journal of Systems and Software*, 36(2):115–135, February 1997.

CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hix:1994:CRE

[HHSR94] Deborah Hix, H. Rex Hartson, Antonio C. Siochi, and David Ruppert. Customer responsibility for ensuring usability: Requirements on the user interface development process. *The Journal of Systems and Software*, 25 (3):241–255, June 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hashim:1992:PKB

[HHZ92] F. Hashim, S. E.-D. Habib, and M. Zaki. A PC knowledge-based environment for VLSI layout verification. *The Journal of Systems and Software*, 18(1):19–31, April 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hislop:1998:AES

[His98] Gregory W. Hislop. Analyzing existing software for software reuse. *The Journal of Systems and Software*, 41(1): 33–40, April 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/41/1/6004.pdf`.

Hac:1990:DLB

[HJ90a] Anna Hać and Xiaowei Jin. Dynamic load balancing in a distributed system using a sender-initiated algorithm. *The Journal of Systems and Software*, 11 (2):79–94, February 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hac:1990:PCC

[HJ90b] Anna Hać and Theodore J. Johnson. A performance comparison of a closely-coupled and a loosely-coupled architecture. *The Journal of Systems and Software*, 13(3):201–208, November 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hac:1991:DAD

[HJ91] Anna Hać and Xiaowei Jin. A decentralized algorithm for dynamic load balancing with file transfer. *The Journal of Systems and Software*, 16(1):37–52, September 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hac:1991:AFR

[HJS91] Anna Hać, Xiaowei Jin, and Jo-Han Soo. Algorithms for file replication in a distributed system. *The Journal of Systems and Software*, 14(3):173–181, March 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hasselbring:1998:COP

[HK98] Wilhelm Hasselbring and Andreas Kröber. Combining OMT with a prototyping approach. *The Journal of Systems and Software*, 43(3):177–185, November 1, 1998. CO-

DEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/43/3/6059.pdf`.

Horspool:1983:IBS

[HL83] R. Nigel Horspool and Jeffrey M. Laks. Improved block sequencing method for program restructuring. *The Journal of Systems and Software*, 3(3):245–250, September 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Henry:1990:IML

[HL90] Sallie Henry and John Lewis. Integrating metrics into a large-scale software development environment. *The Journal of Systems and Software*, 13(2):89–95, October 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Horspool:1993:TBM

[HL93] R. Nigel Horspool and Michael R. Levy. Translator-based multi-paradigm programming. *The Journal of Systems and Software*, 23(1):39–49, October 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hac:1994:DLB

[HL94a] Anna Hać and Raghavendra Rao Loka. A distributed load-building algorithm for parallel compilation of files in a software application. *The Journal of Systems and Software*, 26(2):167–177, August 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Horng:1994:SAO

[HL94b] Jorng-Tzong Horng and Baw-Jhiune Liu. Some aspects of operations in an object-oriented data base based on graphs. *The Journal of Systems and Software*, 24(2):155–179, February 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Huang:1998:MCE

[HL98] S. J. Huang and R. Lai. On measuring the complexity of an Estelle specification. *The Journal of Systems and Software*, 40 (2):165–181, February 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Harrison:1999:EII

[HLAB99] John Harrison, Wie Ming Lim, Anna Andrusiewicz, and Anthony Berglas. Evaluation of the ITOC information system design recovery tool: a case study. *The Journal of Systems and Software*, 44(3):229–240, January 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/44/3/6087.pdf`.

Hwang:1999:CDC

[HLC99] Ren-Junn Hwang, Wei-Bin Lee, and Chin-Chen Chang. A concept of designing cheater

identification methods for secret sharing. *The Journal of Systems and Software*, 46(1): 7–11, April 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/46/1/6111.pdf`.

Huang:1998:SMP

[HMC98] Yin-Fu Huang, Chien-Chie Mao, and Jyh-Her Chen. A simulation model for the primary copy strategy in distributed INGRES. *The Journal of Systems and Software*, 41(1):51–61, April 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/41/1/6006.pdf`.

Hawryszkiewycz:1996:CAS

[HMG96] I. T. Hawryszkiewycz, L. A. Maciaszek, and J. R. Getta. Coordination and artifact semantics in asynchronous distributed cooperation. *The Journal of Systems and Software*, 33(2):179–188, May 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hadjiefthymiades:1999:SRD

[HMP99] Stathes Hadjiefthymiades, Drakoulis Martakos, and Costas Petrou. Stateful relational database gateways for the World Wide Web. *The Journal of Systems and Software*, 48(3):177–187, November 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/37/24/19/article.pdf; http://www.elsevier.nl/gej-ng/10/29/11/37/24/abstract.html`.

Ho:1996:LMB

[HO96] W. Wilson Ho and Ronald A. Olsson. A layered model for building debugging and monitoring tools. *The Journal of Systems and Software*, 34(3):211–222, September 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hakuta:1997:SSP

[HO97] Mitsuari Hakuta and Masato Ohminami. A study of software portability evaluation. *The Journal of Systems and Software*, 38 (2):145–154, August 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hoang:1994:GEC

[Hoa94] Pham Hoang. Guest Editor's corner: Fault tolerance in real-time systems. *The Journal of Systems and Software*, 25(1):1–2, April 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hon:1990:ASQ

[Hon90] Samuel E. Hon III. Assuring software quality through measurements: a buyer's perspective. *The Journal of Systems and Software*, 13(2):117–130, October 1990. CODEN JSSODM.

ISSN 0164-1212 (print), 1873-1228 (electronic).

Harrold:1997:AFM

[HOT97] Mary Jean Harrold, A. Jefferson Offutt, and Kanupriya Tewary. An approach to fault modeling and fault seeding using the program dependence graph. *The Journal of Systems and Software*, 36(3):273–295, March 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Howden:1980:FTD

[How80] William E. Howden. Functional testing and design abstractions. *The Journal of Systems and Software*, 1(4):307–313, ???? 1980. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Humenik:1990:PPE

[HP90] Keith Humenik and Roger S. Pinkham. Production probability estimators for context-free grammars. *The Journal of Systems and Software*, 12(1):43–53, April 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Humenik:1992:TEC

[HP92] K. Humenik and R. S. Pinkham. Transposition errors in context-free languages. *The Journal of Systems and Software*, 18(3): 273–280, July 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hayne:1995:GDB

[HR95] Stephen Hayne and Sudha Ram. Group data base design: Addressing the view modeling problem. *The Journal of Systems and Software*, 28(2):97–116, February 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Huh:1996:CMF

[HR96] Soon-Young Huh and David A. Rosenberg. A change management framework: Dependency maintenance and change notification. *The Journal of Systems and Software*, 34(3):231–246, September 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Henry:1995:QES

[HRS95] Joel Henry, Allan Rossman, and John Snyder. Quantitative evaluation of software process improvement. *The Journal of Systems and Software*, 28(2):169–177, February 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hops:1995:DAC

[HS95] Jonathan M. Hops and Joseph S. Sherif. Development and application of composite complexity models and a relative complexity metric in a software maintenance environment. *The Journal of Systems and Software*, 31(2): 157–169, November 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Henry:1999:UBL

[HS99] Sallie M. Henry and K. Todd Stevens. Using Belbin's leadership role to improve team effectiveness: an empirical investigation. *The Journal of Systems and Software*, 44(3):241–250, January 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/44/3/6088.pdf`.

Hsieh:1991:DEC

[Hsi91a] C. Samuel Hsieh. Distributed evaluation of commutative and associative functions. *The Journal of Systems and Software*, 16 (1):53–58, September 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hsieh:1991:SCD

[Hsi91b] C. Samuel Hsieh. Slice, chunk and dataflow anomaly as DATALOG rules. *The Journal of Systems and Software*, 16(3): 197–203, November 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hakuta:1997:SSE

[HTO97] Mitsuari Hakuta, Fujimitsu Tone, and Masato Ohminami. A software size estimation model and its evaluation. *The Journal of Systems and Software*, 37(3): 253–263, June 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hsieh:1996:CSP

[HU96] C. Samuel Hsieh and Elizabeth A. Unger. On the control structure of a program slice. *The Journal of Systems and Software*, 34(2):123–126, August 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hsieh:1992:UPD

[HUMT92] C. Samuel Hsieh, Elizabeth A. Unger, and Ramon A. Mata-Toledo. Using program dependence graphs for information flow control. *The Journal of Systems and Software*, 17(3):227–232, March 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hurley:1993:MPI

[Hur93] W. David Hurley. A method for predicting the impact of user interface design on software design. *The Journal of Systems and Software*, 22(3):179–190, September 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hague:1994:DRT

[HW94] Waqar Hague and Johnny Wong. Distributed real-time nested transactions. *The Journal of Systems and Software*, 27(2):85–95, November 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Humenik:1994:GEC

[HY94] Keith Humenik and Yelena Yesha. Guest Editors' corner.

The Journal of Systems and Software, 27(3):157–158, December 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hwang:1995:TPE

[HY95] Min-Shiang Hwang and Wei-Pang Yang. A two-phase encryption scheme for enhancing database security. *The Journal of Systems and Software*, 31(3): 257–265, December 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hamilton:1979:RBD

[HZ79] M. Hamilton and S. Zeldin. The relationship between design and verification. *The Journal of Systems and Software*, 1(1):29–56, ???? 1979. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Hamilton:1983:FLC

[HZ83] M. Hamilton and S. Zeldin. Functional life cycle model and its automation: Use. it. *The Journal of Systems and Software*, 3(1):25–62, March 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Haley:1984:DAW

[HZ84] Allen Haley and Stuart Zweben. Development and application of a white box approach to integration testing. *The Journal of Systems and Software*, 4(4):309–315, November 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Itzfeldt:1991:PGC

[IKCN91] Wolf D. Itzfeldt, Bernd Krämer, and Marie-Luise Christ-Neumann. The project GRASPIN and its CASE environment prototypes: An overview. *The Journal of Systems and Software*, 15(1):5–16, April 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Iannello:1995:PAD

[IMM95] Giulio Iannello, Antonino Mazzeo, and Nicola Mazzocca. Performance analysis of distributed memory computers with parallel node architecture. *The Journal of Systems and Software*, 29(2): 107–120, May 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Isoda:1995:ESR

[Iso95] Sadahiro Isoda. Experiences of a software reuse project. *The Journal of Systems and Software*, 30(3):171–186, September 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Isoda:1998:CCR

[Iso98] Sadahiro Isoda. A criticism on the capture-and-recapture method for software reliability assurance. *The Journal of Systems and Software*, 43(1):3–102, October 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/43/1/6045.pdf`.

Itzkovitz:1998:TMA

[ISS98] Ayal Itzkovitz, Assaf Schuster, and Lea Shalev. Thread migration and its applications in distributed shared memory systems. *The Journal of Systems and Software*, 42(1):71–87, July 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.cs.technion.ac.il/Labs/Millipede/papers/jss.pdf; http://www.elsevier.com/cas/tree/store/jss/sub/1998/42/1/6028.pdf`.

Isoda:1995:EIS

[IYKO95] Sadahiro Isoda, Shuichiro Yamamoto, Hiroaki Kuroki, and Atsuko Oka. Evaluation and introduction of the structured methodology and a CASE tool. *The Journal of Systems and Software*, 28(1):49–58, January 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Jackson:1998:FMT

[Jac98] Michael Jackson. Formal methods and traditional engineering. *The Journal of Systems and Software*, 40(3):191–194, March 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Jarzabek:1993:DMD

[Jar93] Stan Jarzabek. Domain model-driven software reengineering and maintenance. *The Journal of Systems and Software*, 20(1):37–51, January 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Javey:1988:LCS

[Jav88] S. Javey. A language construct for the specification of discontinuities. *The Journal of Systems and Software*, 8(5):409–417, December 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Jenson:1991:PEP

[JB91] Richard L. Jenson and Jon W. Bartley. Parametric estimation of programming effort: An object-oriented model. *The Journal of Systems and Software*, 15(2):107–114, May 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Jan:1998:PWP

[JC98] Jinn-Ke Jan and Yu-Yii Chen. "paramita wisdom" password authentication scheme without verification tables. *The Journal of Systems and Software*, 42 (1):45–57, July 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/42/1/6026.pdf`.

Jia:1999:CMM

[JCJ99] X. Jia, J. Cao, and W. Jia. A classification of multicast mechanisms: implementations and applications. *The Journal of Systems and Software*, 45(2):

99–112, March 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/45/2/6098.pdf`.

Jeffery:1987:SDP

[Jef87] D. R. Jeffery. Software development productivity model for MIS environments. *The Journal of Systems and Software*, 7(2):115–125, June 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Jeffrey:1991:HSA

[Jef91] H. Joel Jeffrey. Human systems analysis in the software engineering curriculum. *The Journal of Systems and Software*, 14 (3):147–153, March 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Jeffrey:1992:PDM

[Jef92] H. Joel Jeffrey. Pragmatic design of meetings and presentations. *The Journal of Systems and Software*, 19(1):85–96, September 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Jeffrey:1996:AED

[Jef96] H. Joel Jeffrey. Addressing the essential difficulties of software engineering. *The Journal of Systems and Software*, 32(2):157–179, February 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Jeng:1999:TID

[Jen99] Bingchiang Jeng. Toward an integration of data flow and domain testing. *The Journal of Systems and Software*, 45(1): 19–30, February 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/45/1/6092.pdf`.

Jeng:1999:AAD

[JF99] Bingchiang Jeng and István Forgács. An automatic approach of domain test data generation. *The Journal of Systems and Software*, 49(1):97–112, December 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/46/25/35/article.pdf`; `http://www.elsevier.nl/gej-ng/10/29/11/46/25/abstract.html`.

Johnson:1999:OOM

[JH99] Richard A. Johnson and Bill C. Hardgrave. Object-oriented methods: current practices and attitudes. *The Journal of Systems and Software*, 48(1):5–12, August 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/37/17/18/abstract.html`; `http://www.elsevier.nl/gej-ng/10/29/11/37/17/18/article.pdf`.

Jia:1999:COG

[Jia99] Weijia Jia. Communicating object group and protocols for distributed systems. *The Journal of Systems and Software*, 45(2): 113–126, March 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/45/2/6099.pdf`.

Jeffery:1985:MPP

[JL85] D. Ross Jeffery and Michael J. Lawrence. Managing programming productivity. *The Journal of Systems and Software*, 5 (1):49–58, February 1985. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Jirachiefpattana:1997:ESE

[JL97] A. Jirachiefpattana and R. Lai. EVEN: a software environment for Estelle specification verification. *The Journal of Systems and Software*, 39(2):119–143, November 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Jaoua:1990:UEA

[JM90] Ali Jaoua and Ali Mili. The use of executable assertions for error detection and damage assessment. *The Journal of Systems and Software*, 12(1):15–37, April 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Jayaprakash:1996:CAF

[JM96] S. Jayaprakash and C. R. Muthukrishnan. Critical analysis of "A fault-tolerant algorithm for mutual exclusion in a distributed system". *The Journal of Systems and Software*, 35(3): 217–221, December 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). See [WTS95].

Jmaiel:1996:SCP

[Jma96] Mohamed Jmaiel. Specification of communication protocols using temporal logic. *The Journal of Systems and Software*, 33(3): 299–312, June 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Juristo:1999:FAG

[JMM99] Natalia Juristo, José L. Morant, and Ana M. Moreno. A formal approach for generating OO specifications from natural language. *The Journal of Systems and Software*, 48(2):139–153, October 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/37/23/22/article.pdf`; `http://www.elsevier.nl/gej-ng/10/29/11/37/23/abstract.html`.

Jajodia:1984:TER

[JN84] Sushil Jajodia and Peter A. Ng. Translation of entity-relationship diagrams into relational structures. *The Journal of Sys-*

tems and Software, 4(2–3):123–133, July 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Jajodia:1984:ISI

[JNY84] Sushil Jajodia, Peter Ann-Beng Ng, and Raymond T. Yeh. Introduction to the special issue on the use of entity-relationship concepts in databases and related software. *The Journal of Systems and Software*, 4(2–3): 95–98, July 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Jennings:1983:APE

[JO83] Steven F. Jennings and Arthur E. Oldehoeft. Analysis of program execution on a recursive stream-oriented data flow architecture. *The Journal of Systems and Software*, 3(2):147–154, June 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Joshi:1983:SDR

[Jos83] Ramchandra D. Joshi. Software development for reliable software systems. *The Journal of Systems and Software*, 3(2):107–121, June 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Joyce:1987:IIS

[Joy87] Daniel Joyce. Identification and investigation of software design guidelines for using encapsulation units. *The Journal of Systems and Software*, 7(4):287–295, December 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Joyce:1994:EFG

[Joy94] Daniel T. Joyce. Experience with a fourth-generation language system for software development: An educator's perspective. *The Journal of Systems and Software*, 25(2):193–200, May 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Jeffrey:1994:RDM

[JP94] H. Joel Jeffrey and Anthony O. Putman. Relationship definition and management: Tools for requirements analysis. *The Journal of Systems and Software*, 24 (3):277–294, March 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Jones:1990:IDE

[JS90] A. Russell Jones and Esther R. Steinberg. Interface design: an educational perspective. *The Journal of Systems and Software*, 11(3):199–204, March 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Jaragh:1999:SCP

[JS99] Mansour Jaragh and Kassem Saleh. Synthesis of communications protocol converters using the timed Petri net model. *The Journal of Systems and Software*, 47(1):53–69, May 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/47/1/6139.pdf`.

Jan:1997:SEV

[JT97] Jinn-Ke Jan and Chih-Chang Tai. A secure electronic voting protocol with IC cards. *The Journal of Systems and Software*, 39(2):93–101, November 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Jones:1998:FMR

[JTW98] Sara Jones, David Till, and Ann M. Wrightson. Formal methods and requirements engineering: Challenges and synergies. *The Journal of Systems and Software*, 40(3):263–273, March 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Jard:1983:ATS

[JvB83] Claude Jard and Gregor v. Bochmann. Approach to testing specifications. *The Journal of Systems and Software*, 3(4):315–323, December 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Jagadeesan:1998:SBT

[JVP+98] Lalita Jategaonkar Jagadeesan, Lawrence G. Votta, Adam Porter, Carlos Puchol, and J. Christopher Ramming. Specification-based testing of reactive software: a case study in technology transfer. *The Journal of Systems and Software*, 40(3):249–262, March 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Khoshnevisan:1996:SEM

[KA96] Hessam Khoshnevisan and Mohamad Afshar. Space-efficient memo-functions. *The Journal of Systems and Software*, 35(1):29–41, October 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kallman:1992:DCE

[Kal92] Ernest A. Kallman. Developing a code for ethical computer use. *The Journal of Systems and Software*, 17(1):69–74, January 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Khoshgoftaar:1997:ITB

[KAL97] Taghi M. Khoshgoftaar, Edward B. Allen, and David L. Lanning. An information theory-based approach to quantifying the contribution of a software metric. *The Journal of Systems and Software*, 36(2):103–113, February 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kampfner:1989:SAD

[Kam89] Roberto R. Kampfner. A synthetic approach to the design of information-systems software. *The Journal of Systems and Software*, 10(1):3–14, July 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kamkar:1995:OCC

[Kam95] Mariam Kamkar. An overview and comparative classification of program slicing techniques. *The Journal of Systems and Software*, 31(3):197–214, December 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Karatza:1994:SSS

[Kar94] Helen D. Karatza. Simulation study of a system with two processors linked in tandem. *The Journal of Systems and Software*, 26(3):285–292, September 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Karatza:1998:TRR

[Kar98] Helen D. Karatza. Task routing and resequencing in a multiprocessor system. *The Journal of Systems and Software*, 41 (3):189–197, June 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/41/3/6019.pdf`.

Karimi:1996:SMS

[KB96] Jahangir Karimi and Peter L. Briggs. Software maintenance support for knowledge-based systems. *The Journal of Systems and Software*, 34(3):191–210, September 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kang:1998:UDA

[KB98] Byung-Kyoo Kang and James M. Bieman. Using design abstractions to visualize, quantify, and restructure software. *The Journal of Systems and Software*, 42(2):175–187, August 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/42/2/6036.pdf`.

Karimi:1996:PTC

[KC96] Jahangir Karimi and Craig Lee Carpenter. A partitioning technique for concurrent software design. *The Journal of Systems and Software*, 33(1):15–35, April 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Krovi:1998:UCR

[KC98] Ravindra Krovi and Akhilesh Chandra. User cognitive representations: The case for an object oriented model. *The Journal of Systems and Software*, 43(3): 165–176, November 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/43/3/6058.pdf`.

Kusumoto:1998:PAT

[KCK+98] Shinji Kusumoto, Atsushi Chimura, Tohru Kikuno, Ken ichi Matsumoto, and Yukio Mohri. A promising approach to two-

person software review in educational environment. *The Journal of Systems and Software*, 40 (2):115–123, February 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kavi:1991:SCP

[KD91] Krishna M. Kavi and Akshay K. Deshpande. Specification of concurrent processes using a dataflow model of computation and partially ordered events. *The Journal of Systems and Software*, 16(2):107–120, October 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kendall:1980:DIC

[Ken80] Kenneth E. Kendall. A decentralized information and control system for blood management. *The Journal of Systems and Software*, 1(4):299–306, ???? 1980. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kent:1984:FBD

[Ken84] W. Kent. Fact-based data analysis and design. *The Journal of Systems and Software*, 4(2–3): 99–121, July 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kerr:1992:ESP

[Ker92] Roger M. Kerr. Expert systems in production scheduling: Lessons from a failed implementation. *The Journal of Systems and Software*, 19(2):123–130, October 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kung:1996:RTO

[KGH+96] David C. Kung, Jerry Gao, Pei Hsia, Yasufumi Toyoshima, and Cris Chen. On regression testing of object-oriented programs. *The Journal of Systems and Software*, 32(1):21–40, January 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kafura:1981:SQM

[KH81] Dennis Kafura and Sallie Henry. Software quality metrics based on interconnectivity. *The Journal of Systems and Software*, 2 (2):121–131, June 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kan:1996:MCA

[KH96] Chieh-Ying Kan and Xudong He. A method for constructing algebraic Petri nets. *The Journal of Systems and Software*, 35(1):15–27, October 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kee:1997:ECA

[KH97] Kok Kin Kee and Salim Hariri. Efficient communication algorithms for ring multicomputers. *The Journal of Systems and Software*, 37(3):215–225, June 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Katchabaw:1999:MDA

[KHL+99] Michael J. Katchabaw, Stephen L. Howard, Hanan L. Lutfiyya, Andrew D. Marshall, and Michael A. Bauer. Making distributed applications manageable through instrumentation. *The Journal of Systems and Software*, 45(2):81–97, March 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/45/2/6097.pdf`.

Klein:1999:UPE

[KJ99] Gary Klein and James J. Jiang. User perception of expert system advice. *The Journal of Systems and Software*, 48(2):155–161, October 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/37/23/23/article.pdf`; `http://www.elsevier.nl/gej-ng/10/29/11/37/23/abstract.html`.

Klein:1997:ISE

[KJB97] Gary Klein, James J. Jiang, and Joseph Balloun. Information system evaluation by system typology. *The Journal of Systems and Software*, 37(3):181–186, June 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Koch:1981:QSP

[KK81] Harvey S. Koch and Peter Kubat. Quick and simple procedures to assess software reliability and facilitate project management. *The Journal of Systems and Software*, 2(3):271–276, September 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kaiser:1985:IPP

[KK85] Gail E. Kaiser and Elaine Kant. Incremental parsing without a parser. *The Journal of Systems and Software*, 5(2):121–144, May 1985. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kusumoto:1996:EET

[KKiMT96] Shinji Kusumoto, Tohru Kikuno, Ken ichi Matsumoto, and Koji Torii. Experimental evaluation of time allocation procedure for technical reviews. *The Journal of Systems and Software*, 35(2):119–126, November 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Korel:1990:DSC

[KL90] Bogdan Korel and Janusz Laski. Dynamic slicing of computer programs. *The Journal of Systems and Software*, 13(3):187–195, November 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kramer:1991:TFM

[KL91] Bernd Krämer and Luqi. Toward formal models of software engineering processes. *The Journal of Systems and Software*, 15(1):

63–74, April 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Khoshgoftaar:1995:NNA

[KL95] Taghi M. Khoshgoftaar and David L. Lanning. A neural network approach for early detection of program modules having high risk in the maintenance phase. *The Journal of Systems and Software*, 29(1):85–91, April 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kinnunen:1996:MTM

[KL96] Kimmo Kinnunen and Mauri Leppänen. O/A matrix and a technique for methodology engineering. *The Journal of Systems and Software*, 33(2):141–152, May 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Koutny:1989:SER

[KM89] M. Koutny and L. V. Mancini. Synchronizing events in replicated systems. *The Journal of Systems and Software*, 9(3):183–190, March 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Khanna:1992:SVA

[KM92] Rashi Khanna and Bruce McMillin. SMILI: Visualization of asynchronous massively parallel programs. *The Journal of Systems and Software*, 19(3):261–275, November 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Khoshgoftaar:1994:AAU

[KML94] Taghi M. Khoshgoftaar, John C. Munson, and David L. Lanning. Alternative approaches for the use of metrics to order programs by complexity. *The Journal of Systems and Software*, 24 (3):211–221, March 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Keller-McNulty:1989:RRS

[KMM89] Sallie Keller-McNulty and Mark S. McNulty. Response to: Resolving the software science anomaly. *The Journal of Systems and Software*, 10(1):69–71, July 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Keller-McNulty:1991:SMS

[KMMG91] Sallie Keller-McNulty, Mark S. McNulty, and David A. Gustafson. Stochastic models for software science. *The Journal of Systems and Software*, 16(1):59–68, September 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kemayel:1991:CFP

[KMO91] L. Kemayel, A. Mili, and I. Ouederni. Controllable factors for programmer productivity: a statistical study. *The Journal of Systems and Software*, 16 (2):151–163, October 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kellner:1999:SPS

[KMR99] Marc I. Kellner, Raymond J. Madachy, and David M. Raffo. Software process simulation modeling: Why? What? How? *The Journal of Systems and Software*, 46(2–3):91–105, April 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/46/2-3/6118.pdf`.

Kim:1997:SFT

[KN97] Hyun C. Kim and V. S. S. Nair. Software fault tolerance for distributed object based computing. *The Journal of Systems and Software*, 39(2):103–117, November 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kulkarni:1986:MPR

[KNT86] V. G. Kulkarni, V. F. Nicola, and K. S. Trivedi. On modelling the performance and reliability of multimode computer systems. *The Journal of Systems and Software*, 6(1–2):175–182, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kandelin:1995:VOO

[KO95] Nils A. Kandelin and Daniel E. O'Leary. Verification of object-oriented systems: Domain-dependent and domain-independent approaches. *The Journal of Systems and Software*, 29(3):261–269, June 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Komorowski:1988:DLP

[Kom88] Henryk Jan Komorowski. A declarative logic programming environment. *The Journal of Systems and Software*, 8(2):77–89, March 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kornman:1983:PMP

[Kor83] Brent D. Kornman. Pattern matching and pattern-directed invocation in systems programming languages. *The Journal of Systems and Software*, 3(1):95–102, March 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Koriem:1999:FSD

[Kor99a] Samir M. Koriem. Fast and simple decomposition techniques for the reliability analysis of interconnection networks. *The Journal of Systems and Software*, 45 (2):155–171, March 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/45/2/6102.pdf`.

Koriem:1999:NPE

[Kor99b] Samir M. Koriem. *R*-nets for the performance evaluation of hard real-time systems. *The Journal of Systems and Software*, 46 (1):41–58, April 1, 1999. CODEN JSSODM. ISSN 0164-1212

(print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/46/1/6114.pdf`.

Koskimies:1991:HLT

[KP91] Kai Koskimies and Jukka Paakki. High-level tools for language implementation. *The Journal of Systems and Software*, 15(2):115–131, May 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Koriem:1993:FTA

[KP93] Samir M. Koriem and L. M. Patnaik. Fault-tolerance analysis of hypercube systems using Petri net theory. *The Journal of Systems and Software*, 21(1):71–88, April 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kameas:1997:FAI

[KP97a] A. Kameas and P. Pintelas. The functional architecture and interaction model of a GENerator of intelligent TutORing applications. *The Journal of Systems and Software*, 36(3):233–245, March 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Koriem:1997:GSH

[KP97b] Samir M. Koriem and L. M. Patnaik. A generalized stochastic high-level Petri net model for performance analysis. *The Journal of Systems and Software*, 36 (3):247–265, March 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Konana:1998:TMM

[KR98] Prabhudev Konana and Sudha Ram. Transaction management mechanisms for active and real-time databases: a comprehensive protocol and a performance study. *The Journal of Systems and Software*, 42(3):205–225, September 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/42/3/6039.pdf`.

Kramer:1991:IGS

[Krä91a] Bernd Krämer. Introducing the GRASPIN specification language SEGRAS. *The Journal of Systems and Software*, 15(1): 17–31, April 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kramer:1991:SPP

[Krä91b] Bernd Krämer. A sort of parametric polymorphism for algebraic specifications. *The Journal of Systems and Software*, 15(1): 33–42, April 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Krishnan:1993:SSI

[Kri93] Padmanabhan Krishnan. Specification of systems with interrupts. *The Journal of Systems and Software*, 21(3):291–304, June 1993. CODEN JS-

SODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ketabchi:1996:AOT

[KS96] Mohammad A. Ketabchi and Kamyar J. Sadeghi. Applying object technology to software analysis and maintenance system development. *The Journal of Systems and Software*, 32(1):41–56, January 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kudo:1989:QDP

[KSFT89] Hideo Kudo, Yuji Sugiyama, Mamoru Fujii, and Koji Torii. Quantifying a design process based on experiments. *The Journal of Systems and Software*, 9 (2):129–136, February 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kelly:1992:ADD

[KSH92] John C. Kelly, Joseph S. Sherif, and Jonathan Hops. An analysis of defect densities found during software inspections. *The Journal of Systems and Software*, 17 (2):111–117, February 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Katz:1984:EVS

[KSS84] Randy Katz, Walt Scacchi, and P. Subrahmanyam. Environments for VLSI and software engineering. *The Journal of Systems and Software*, 4(1):13–26, April 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kim:1993:IOO

[KSW93] Won Kim, Yongmoo Suh, and Andrew B. Whinston. An IBIS and object-oriented approach to scientific research data management. *The Journal of Systems and Software*, 23(2):183–197, November 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kitchenham:1985:SPD

[KT85] Barbara A. Kitchenham and N. R. Taylor. Software project development cost estimation. *The Journal of Systems and Software*, 5(4):267–278, November 1985. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kung:1991:PIM

[Kun91a] Chenho Kung. Process interface modeling and consistency checking. *The Journal of Systems and Software*, 15(2):185–191, May 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kung:1991:RDK

[Kun91b] Chenho Kung. Response to "Deliberations on Kung's process interface modeling". *The Journal of Systems and Software*, 15(2):199, May 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). See [CB91].

Kung:1995:EVF

[Kun95] David C. Kung. An executable visual formalism for object-

oriented conceptual modeling. *The Journal of Systems and Software*, 31(1):33–43, October 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kuo:1994:MDE

[Kuo94] Feng-Yang Kuo. A methodology for deriving an entity-relationship model based on a data flow diagram. *The Journal of Systems and Software*, 24 (2):139–154, February 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kusalik:1990:SSC

[Kus90] Anthony J. Kusalik. Secondary storage in a concurrent logic programming environment. *The Journal of Systems and Software*, 11(1):31–44, January 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kumar:1991:TMD

[KW91] Muruganandan Kumar and Johnny Wong. Transaction models for design environments. *The Journal of Systems and Software*, 16(3):219–228, November 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kumar:1993:TMD

[KW93] Muruganandan Kumar and Johnny Wong. Transaction management in design databases. *The Journal of Systems and Software*, 22(1):3–15, July 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kalla:1999:ANR

[KWME99] Malleswar Kalla, Johnny S. K. Wong, Armin R. Mikler, and Stephen Elbert. Achieving non-repudiation of Web based transactions. *The Journal of Systems and Software*, 48(3):165–175, November 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/37/24/18/article.pdf; http://www.elsevier.nl/gej-ng/10/29/11/37/24/abstract.html`.

Kavi:1992:RTS

[KY92] Krishna M. Kavi and Seung-Min Yang. Real-time systems design methodologies: an introduction and a survey. *The Journal of Systems and Software*, 18(1):85–99, April 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Kamel:1991:MIH

[KZ91] Magdi N. Kamel and Moshe Zviran. A methodology for integrating heterogeneous data bases in a hospital environment. *The Journal of Systems and Software*, 15(3):251–260, July 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lin:1997:SEP

[LAHS97] Chi Y. Lin, Tarek Abdel-Hamid, and Joseph S. Sherif. Software-Engineering Process Simulation

model (SEPS). *The Journal of Systems and Software*, 38(3): 263–277, September 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lai:1995:UPA

[Lai95] R. Lai. On using PROMPT for the automatic implementation of the ISO ACSE protocol. *The Journal of Systems and Software*, 28(2):143–155, February 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lai:1997:EUE

[Lai97a] R. Lai. An experience in using EDT to process the ISO transaction processing Estelle specification. *The Journal of Systems and Software*, 36(2):137–145, February 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lai:1997:EE

[Lai97b] R. Lai. From Estelle to Erlang. *The Journal of Systems and Software*, 37(3):235–251, June 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lai:1997:PRC

[Lai97c] R. Lai. Performance results for the CSMA/CD protocol using GreatSPN. *The Journal of Systems and Software*, 37(1):75–90, April 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lai:1997:SSV

[Lai97d] R. Lai. A success story of verifying a real complex protocol. *The Journal of Systems and Software*, 36(1):69–83, January 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lai:1999:TMI

[Lai99] R. Lai. Towards more industrially relevant academic researches into testing of communicating systems. *The Journal of Systems and Software*, 47(2–3):89–96, July 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/47/2-3/6143.pdf`.

Lakhotia:1993:USE

[Lak93] Arun Lakhotia. Understanding someone else's code: Analysis of experiences. *The Journal of Systems and Software*, 23(3): 269–275, December 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lakhotia:1997:UFE

[Lak97] Arun Lakhotia. A unified framework for expressing software subsystem classification techniques. *The Journal of Systems and Software*, 36(3):211–231, March 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lam:1997:ARR

[Lam97] W. Lam. Achieving requirements reuse: a domain-specific

approach from avionics. *The Journal of Systems and Software*, 38(3):197–209, September 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lanphar:1990:QPM

[Lan90] Robert Lanphar. Quantitative process management in software engineering, a reconciliation between process and product views. *The Journal of Systems and Software*, 12(3):243–248, July 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Land:1998:CBA

[Lan98a] Frank Land. A contingency based approach to requirements elicitation and systems development. *The Journal of Systems and Software*, 40(1):3–6, January 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Land:1998:IAO

[Lan98b] Frank Land. From IT application to organizational transformation. *The Journal of Systems and Software*, 40(2):183–184, February 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Laski:1990:DFT

[Las90] Janusz Laski. Data flow testing in STAD. *The Journal of Systems and Software*, 12(1):3–14, April 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lawrence:1981:PMO

[Law81] M. J. Lawrence. Programming methodology, organizational environment, and programming productivity. *The Journal of Systems and Software*, 2(3):257–269, September 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lou:1998:AEM

[LC98] Der-Chyuan Lou and Chin-Chen Chang. An adaptive exponentiation method. *The Journal of Systems and Software*, 42 (1):59–69, July 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/42/1/6027.pdf`.

Luqi:1998:SSP

[LCZ98] Luqi, Carl K. Chang, and Hong Zhu. Specifications in software prototyping. *The Journal of Systems and Software*, 42(2): 125–140, August 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/42/2/6032.pdf`.

Lamb:1987:DPM

[LDN87] David Alex Lamb, Ivor Durham, and Joseph M. Newcomer. Drat: a program for maintaining listings. *The Journal of Systems and Software*, 7(2):163–170,

June 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

LEcuyer:1987:FFR

[L'E87] Pierre L'Ecuyer. Formal formatting rules for Pascal programs. *The Journal of Systems and Software*, 7(4):311–322, December 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Leary:1995:ABE

[Lea95] John R. Leary. An architectural basis for evolving software systems. *The Journal of Systems and Software*, 30(1–2):27–43, July/August 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lee:1993:SMS

[Lee93] Heeseok Lee. A structured methodology for software development effort prediction using the analytic hierarchy process. *The Journal of Systems and Software*, 21(2):179–186, May 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lehman:1980:ULE

[Leh80] M. M. Lehman. On understanding laws, evolution, and conservation in the large-program life cycle. *The Journal of Systems and Software*, 1(3):213–221, ???? 1980. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lennartsson:1995:RC

[Len95] Bengt Lennartsson. Readers' corner. *The Journal of Systems and Software*, 29(1):92, April 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Letovsky:1987:CPP

[Let87] Stanley Letovsky. Cognitive processes in program comprehension. *The Journal of Systems and Software*, 7(4):325–339, December 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Leung:1992:OSR

[Leu92] Yiu-Wing Leung. Optimum software release time with a given cost budget. *The Journal of Systems and Software*, 17(3):233–242, March 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Leung:1997:DRA

[Leu97] Yiu-Wing Leung. Dynamic resource-allocation for software-module testing. *The Journal of Systems and Software*, 37(2):129–139, May 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lee:1991:RTS

[LF91] Ching-Cheng Lee and H. A. Fatmi. Run-time support For parallel functional programming on shared-memory multiprocessors. *The Journal of Systems and*

Software, 16(1):69–74, September 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lu:1996:VHS

[LF96] Jian Lu and Zongming Fei. Verification of HOS software specification by a hierarchical software understanding approach. *The Journal of Systems and Software*, 32(2):135–142, February 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

LeCharlier:1998:SNI

[LF98] Baudouin Le Charlier and Pierre Flener. Specifications are necessarily informal or: Some more myths of formal methods. *The Journal of Systems and Software*, 40(3):275–296, March 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Liang:1999:FTO

[LFY+99] D. Liang, C.-L. Fang, S.-M. Yuan, C. Chen, and G. E. Jan. A fault–tolerant object service on CORBA. *The Journal of Systems and Software*, 48(3):197–211, November 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/37/24/21/article.pdf`; `http://www.elsevier.nl/gej-ng/10/29/11/37/24/abstract.html`.

Lin:1997:GUI

[LG97] Yi-Bing Lin and Joe Geigel. A graphical user interface design for network simulation. *The Journal of Systems and Software*, 36(2):181–190, February 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Leveson:1983:SFT

[LH83] Nancy G. Leveson and Peter R. Harvey. Software fault tree analysis. *The Journal of Systems and Software*, 3(2):173–181, June 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lee:1990:MTS

[LH90] J. A. N. Lee and Xudong He. A methodology for test selection. *The Journal of Systems and Software*, 13(3):177–185, November 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Li:1993:OOM

[LH93] Wei Li and Sallie Henry. Object-oriented metrics that predict maintainability. *The Journal of Systems and Software*, 23(2):111–122, November 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Liu:1995:MVR

[LH95] Jane W. S. Liu and Rhan Ha. Methods for validating real-time constraints. *The Journal of Systems and Software*, 30(1–2):85–

98, July/August 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lattanzi:1998:SRU

[LH98] Mark Lattanzi and Sallie Henry. Software reuse using C++ classes: The question of inheritance. *The Journal of Systems and Software*, 41(2):127–132, May 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/41/2/6013.pdf`.

Lam:1995:MDA

[LHC95] Kwok-Yan Lam, Lucas Hui, and Siu-Leung Chung. Multivariate data analysis software for enhancing system security. *The Journal of Systems and Software*, 31(3):267–275, December 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lam:1996:DRM

[LHC96] Kwok-Yan Lam, Lucas Hui, and Siu-Leung Chung. A data reduction method for intrusion detection. *The Journal of Systems and Software*, 33(1):101–108, April 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Li:1998:AMS

[Li98] Wei Li. Another metric suite for object-oriented programming. *The Journal of Systems and Software*, 44(2):155–162, December 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/44/2/6080.pdf`. See corrigendum [Li99].

Li:1999:CAM

[Li99] Wei Li. Corrigendum to "Another metric suite for object-oriented programming" [Journal of Systems and Software 44 (1998) 155–162]. *The Journal of Systems and Software*, 48(1):75, August 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/37/17/24/`; `http://www.elsevier.nl/gej-ng/10/29/11/37/17/24/article.pdf`. See [Li98].

Leventhal:1992:AVC

[LIC92] Laura M. Leventhal, Keith E. Instone, and David W. Chilson. Another view of computer science ethics: Patterns of responses among computer scientists. *The Journal of Systems and Software*, 17(1):49–60, January 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Linberg:1999:SDP

[Lin99] Kurt R. Linberg. Software developer perceptions about software project failure: a case study. *The Journal of Systems and Software*, 49(2–3):177–192, December 30,

1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/46/26/34/article.pdf; http://www.elsevier.nl/gej-ng/10/29/11/46/26/abstract.html`.

Lipow:1979:PSF

[Lip79] Myron Lipow. Prediction of software failures. *The Journal of Systems and Software*, 1(1):71–75, ???? 1979. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Littlewood:1980:LVM

[Lit80] B. Littlewood. The Littlewood–Verrall model for software reliability compared with some rivals. *The Journal of Systems and Software*, 1(3):251–258, ???? 1980. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Litecky:1990:SMP

[Lit90] Chuck Litecky. Spreadsheet macro programming: a critique with emphasis on Lotus 1-2-3. *The Journal of Systems and Software*, 13(3):197–200, November 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Liu:1993:FRS

[Liu93] Shaoying Liu. A formal requirements specification method based on data flow analysis. *The Journal of Systems and Software*, 21(2):141–149, May 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Liu:1995:ICF

[Liu95] Shaoying Liu. Internal consistency of FRSM specifications. *The Journal of Systems and Software*, 29(2):167–175, May 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Liu:1998:QAA

[Liu98] Xiaoqing Frank Liu. A quantitative approach for assessing the priorities of software quality requirements. *The Journal of Systems and Software*, 42(2):105–113, August 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/42/2/6030.pdf`.

Lloyd:1999:CIP

[LJ99] Karl Brett Lloyd and David John Jankowski. A cognitive information processing and information theory approach to diagram clarity: a synthesis and experimental investigation. *The Journal of Systems and Software*, 45(3):203–214, March 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/45/3/6106.pdf`.

Lopez:1996:GFD

[LJM96] Antonio M. Lopez, Jr., Bobby Junkin, and Lloyd McGregor. Gross feature detection in remotely sensed CAMS imagery using a multi-paradigm software approach. *The Journal of Systems and Software*, 34(2):151–159, August 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lloyd:1993:TED

[LK93] William S. Lloyd and Phil Kearns. Tracing the execution of distributed programs. *The Journal of Systems and Software*, 21(3):201–214, June 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Laughery:1985:HFS

[LL85] K. Ronald Laughery, Jr. and Kenneth R. Laughery, Sr. Human factors in software engineering: a review of the literature. *The Journal of Systems and Software*, 5(1):3–14, February 1985. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lai:1997:VIA

[LL97a] R. Lai and X. Li. Verification of the ISO ACSE protocol using deductive machine. *The Journal of Systems and Software*, 39(3):223–247, December 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lee:1997:PNB

[LL97b] Gang-Soo Lee and Jin-Seok Lee. Petri net based models for specification and analysis of cryptographic protocols. *The Journal of Systems and Software*, 37(2):141–159, May 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lai:1998:AND

[LL98] R. Lai and X. Li. Applying a new decomposition method to verify communication protocols. *The Journal of Systems and Software*, 40(1):29–50, January 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lo:1999:AII

[LL99] A. Lo and R. Lai. An automatic implementation of the ISO FTAM protocol based on an integrated specification of Estelle and ASN.1. *The Journal of Systems and Software*, 48(2):119–137, October 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/37/23/21/article.pdf`; `http://www.elsevier.nl/gej-ng/10/29/11/37/23/abstract.html`.

Lee:1994:DSP

[LM94] Gang-Soo Lee and Tadao Murata. A β-distributed stochastic Petri net model for software project time/cost management. *The Journal of Systems and Software*, 26(2):149–

165, August 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Liu:1996:MOA

[LM96] Shaoying Liu and John A. McDermid. A model-oriented approach to safety analysis using fault trees and a support system. *The Journal of Systems and Software*, 35(2):151–164, November 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Licker:1992:DES

[LO92] Paul Licker and Bruce Olsen. Dimensions of expert system management. *The Journal of Systems and Software*, 19(2):171–183, October 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lohse:1984:EES

[Loh84] John B. Lohse. Experimental evaluation of software design principles: an investigation into the effect of module coupling on system modifiability. *The Journal of Systems and Software*, 4(4):301–308, November 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lokan:1996:ESP

[Lok96] Christopher J. Lokan. Early size prediction for C and Pascal programs. *The Journal of Systems and Software*, 32(1):65–72, January 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lee:1993:OOO

[LP93] Yang Kyu Lee and Sung Joo Park. OPNets: an object-oriented high-level Petri net model for real-time system modeling. *The Journal of Systems and Software*, 20(1):69–86, January 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lederer:1995:CIS

[LP95] Albert L. Lederer and Jayesh Prasad. Causes of inaccurate software development cost estimates. *The Journal of Systems and Software*, 31(2):125–134, November 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Littman:1987:MMS

[LPLS87] David C. Littman, Jeannine Pinto, Stanley Letovsky, and Elliot Soloway. Mental models and software maintenance. *The Journal of Systems and Software*, 7(4):341–355, December 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lehman:1999:IFG

[LR99] M. M. Lehman and J. F. Ramil. The impact of feedback in the global software process. *The Journal of Systems and Software*, 46(2–3):123–134, April 15, 1999. CODEN JSSODM.

ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/46/2-3/6121.pdf`.

Lanovaz:1992:OOI

[LS92] Daniel Lanovaz and Duane Szafron. An object-oriented inference engine for PROLOG. *The Journal of Systems and Software*, 19(1):13–25, September 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lam:1997:IHA

[LS97] Kwok-Yan Lam and Tom Salkield. Implementing a highly available network directory service. *The Journal of Systems and Software*, 37(1):41–47, April 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lindvall:1998:HWD

[LS98] Mikael Lindvall and Kristian Sandahl. How well do experienced software developers predict software change? *The Journal of Systems and Software*, 43 (1):19–27, October 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/43/1/6047.pdf`.

Lidtke:1999:ISC

[LS99] Doris K. Lidtke and Gorden Stokes. An information systems-centric curriculum, ISCC '99. *The Journal of Systems and Software*, 49(2–3):171–175, December 30, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/46/26/33/article.pdf`; `http://www.elsevier.nl/gej-ng/10/29/11/46/26/abstract.html`.

Liu:1995:PFM

[LSD95] Shaoying Liu, Victoria Stavridou, and Bruno Dutertre. The practice of formal methods in safety-critical systems. *The Journal of Systems and Software*, 28(1):77–87, January 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Laitinen:1997:EMS

[LTHR97] Kari Laitinen, Jorma Taramaa, Markku Heikkila, and Neil C. Rowe. Enhancing maintainability of source programs through disabbreviation. *The Journal of Systems and Software*, 37(2): 117–128, May 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lin:1992:IES

[LTT92] Jim-Min Lin, Shang Rong Tsai, and Li-Ming Tseng. Integrating existing software packages using the virtual machine technique. *The Journal of Systems and Software*, 18(3):207–218, July 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Luegenbiehl:1992:CPM

[Lue92] Heinz C. Luegenbiehl. Computer professionals: Moral autonomy and a code of ethics. *The Journal of Systems and Software*, 17 (1):61–68, January 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lutz:1996:TSR

[Lut96] Robyn R. Lutz. Targeting safety-related errors during software requirements analysis. *The Journal of Systems and Software*, 34(3): 223–230, September 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lanubile:1997:EPQ

[LV97] Filippo Lanubile and Giuseppe Visaggio. Evaluating predictive quality models derived from software measures: Lessons learned. *The Journal of Systems and Software*, 38(3):225–234, September 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Luckham:1993:POE

[LVB+93] David C. Luckham, James Vera, Doug Bryan, Larry Augustin, and Frank Belz. Partial orderings of event sets and their application to prototyping concurrent, timed systems. *The Journal of Systems and Software*, 21(3): 253–265, June 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lassez:1981:CES

[LvSL81] J. L. Lassez, D. van der Knijff, J. Shepherd, and C. Lassez. A critical examination of software science. *The Journal of Systems and Software*, 2(2):105–112, June 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lei:1997:EDP

[LZL97] Su Te Lei, Kang Zhang, and Kei-Chun Li. Experience with the design of a performance tuning tool for parallel programs. *The Journal of Systems and Software*, 39(1):27–37, October 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

McGarry:1989:MAS

[MA89] Frank E. McGarry and William W. Agresti. Measuring Ada for software development in the Software Engineering Laboratory. *The Journal of Systems and Software*, 9(2):149–159, February 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Medeiros:1994:IIC

[MA94] Claudia Bauzer Medeiros and Márcia Jacobina Andrade. Implementing integrity control in active data bases. *The Journal of Systems and Software*, 27(3): 171–181, December 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

MacDonell:1991:RSC

[Mac91] S. G. MacDonell. Rigor in software complexity measurement experimentation. *The Journal of Systems and Software*, 16(2): 141–149, October 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Maier:1996:IMU

[Mai96] Mark W. Maier. Integrated modeling: a unified approach to system engineering. *The Journal of Systems and Software*, 32(2): 101–119, February 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Martin:1981:ICP

[Mar81] Edith W. Martin. Introduction to collected papers on computing standards for embedded computer systems. *The Journal of Systems and Software*, 2(4): 317–318, December 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Marti:1984:IDP

[Mar84] Robert W. Marti. Integrating database and program descriptions using an er-data dictionary. *The Journal of Systems and Software*, 4(2–3):185–195, July 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Matley:1986:MPC

[Mat86] Ben G. Matley. Modest proposal: Computer education can be raised to professional status. *The Journal of Systems and Software*, 6(4):379–389, November 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Mathews:1996:OFO

[Mat96] John Mathews. Organizational foundations of object-oriented programming. *The Journal of Systems and Software*, 34(3): 247–253, September 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Mazlack:1981:NLS

[Maz81] Lawrence J. Mazlack. Natural language symbol string storage. *The Journal of Systems and Software*, 2(1):71–79, February 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Mostow:1984:ATS

[MB84] Jack Mostow and Bob Balzer. Application of a transformational software development methodology to VLSI design. *The Journal of Systems and Software*, 4(1):51–61, April 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Mashiko:1997:UGP

[MB97] Yasuhiro Mashiko and Victor R. Basili. Using the GQM paradigm to investigate influential factors for software process improvement. *The Journal of Systems*

and Software, 36(1):17–32, January 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Marsan:1986:PFS

[MBCD86] Marco Ajmone Marsan, Gianfranco Balbo, Giovanni Chiola, and Susanna Donatelli. On the product-form solution of a class of multiple-bus multiprocessor system models. *The Journal of Systems and Software*, 6 (1–2):117–124, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Mead:1999:IUC

[MBL+99] Nancy Mead, Kathy Beckman, Jimmy Lawrence, George O'Mary, Cynthia Parish, Perla Unpingco, and Hope Walker. Industry/university collaborations: different perspectives heighten mutual opportunities. *The Journal of Systems and Software*, 49(2–3):155–162, December 30, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/46/26/31/article.pdf; http://www.elsevier.nl/gej-ng/10/29/11/46/26/abstract.html`.

Mathaisel:1991:CCS

[MC91] Dennis F. X. Mathaisel and Clare L. Comm. Course and classroom scheduling: An interactive computer graphics approach. *The Journal of Systems and Software*, 15(2):149–157, May 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Matocha:1998:TDT

[MC98] Jeff Matocha and Tracy Camp. A taxonomy of distributed termination detection algorithms. *The Journal of Systems and Software*, 43(3):207–221, November 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/43/3/6062.pdf`.

McFarland:1992:BBE

[McF92] Michael C. McFarland. Broadening the basis for ethical analysis. *The Journal of Systems and Software*, 17(1):39–40, January 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Millen:1981:EAH

[MD81] Jonathan K. Millen and David L. Drake. Experiment with Affirm and Hdm. *The Journal of Systems and Software*, 2(2):159–175, June 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Moreau:1989:OOG

[MD89] Dennis R. Moreau and Wayne D. Dominick. Object-oriented graphical information systems: Research plan and evaluation metrics. *The Journal of Systems and Software*, 10(1):23–28, July 1989. CODEN JSSODM.

ISSN 0164-1212 (print), 1873-1228 (electronic).

Mincer-Daszkiewicz:1991:PBM

[MD91] Janina Mincer-Daszkiewicz. Program I/O behavior: Models and their applications. *The Journal of Systems and Software*, 14 (1):51–62, January 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Merriman:1987:AIS

[Mer87] Michael F. Merriman. Automated interactive simulation modeling system: Aisim. *The Journal of Systems and Software*, 7(1):61–72, March 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Meyer:1988:CTC

[Mey88a] Bertrand Meyer. Cépage: Toward computer-aided design of software. *The Journal of Systems and Software*, 8(5):419–429, December 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Meyer:1988:ELE

[Mey88b] Bertrand Meyer. Eiffel: a language and environment for software engineering. *The Journal of Systems and Software*, 8(3): 199–246, June 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Marlin:1990:CCT

[MF90] Chris Marlin and Dennis Freidel. Comparing communication in two languages employing buffered message-passing. *The Journal of Systems and Software*, 12(2):87–105, May 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

McMullin:1981:EDA

[MG81] Paul R. McMullin and John D. Gannon. Evaluating a data abstraction testing system based on formal specifications. *The Journal of Systems and Software*, 2 (2):177–186, June 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Matzen:1997:FLM

[MGH97] R. W. Matzen, K. M. George, and G. E. Hedrick. A formal language model for parsing SGML. *The Journal of Systems and Software*, 36(2):147–166, February 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Mili:1987:UEA

[MGJT87] Ali Mili, Sihem Guemara, Ali Jaoua, and Paul Torres. On the use of executable assertions in structured programs. *The Journal of Systems and Software*, 7 (1):15–28, March 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Moser:1999:CEB

[MHSM99] Simon Moser, Brian Henderson-Sellers, and Vojislav B. Mišić. Cost estimation based on business models. *The Journal of Systems and Software*, 49(1):33–42, December 15, 1999. CO-

DEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/46/25/28/article.pdf; http://www.elsevier.nl/gej-ng/10/29/11/46/25/abstract.html`.

Miller:1992:PMP

[MIH92] L. L. Miller, S. R. Inglett, and A. R. Hurson. PASS — a multiuser parallel file system based on microcomputers. *The Journal of Systems and Software*, 19 (1):75–83, September 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Mills:1989:MSE

[Mil89] Everald E. Mills. The Master of Software Engineering (MSE) program at Seattle University. *The Journal of Systems and Software*, 10(4):245–252, November 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Mili:1996:BDO

[Mil96a] Hafedh Mili. On behavioral descriptions in object-oriented modeling. *The Journal of Systems and Software*, 34(2):105–121, August 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Mills:1996:EES

[Mil96b] Kevin L. Mills. An experimental evaluation of specification techniques for improving functional testing. *The Journal of Systems and Software*, 32(1):83–95, January 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Millet:1998:NF

[Mil98] Ido Millet. Normalization on the fly. *The Journal of Systems and Software*, 40(1):85–88, January 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

McCrosky:1989:DPA

[MJ89] Carl McCrosky and M. A. Jenkins. Design of a processor for array-theoretic computation. *The Journal of Systems and Software*, 9(1):67–74, January 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Munson:1990:ARC

[MK90] John C. Munson and Taghi M. Khoshgoftaar. Applications of a relative complexity metric for software project management. *The Journal of Systems and Software*, 12(3):283–291, July 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Munson:1993:MDS

[MK93] John C. Munson and Taghi M. Kohshgoftaar. Measurement of data structure complexity. *The Journal of Systems and Software*, 20(3):217–225, March 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Mutka:1995:TAP

[ML95] Matt W. Mutka and Jong-Pyng Li. A tool for allocating periodic real-time tasks to a set of processors. *The Journal of Systems and Software*, 29(2):135–148, May 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

MacEwen:1981:AHT

[MM81] Glenn H. MacEwen and T. Patrick Martin. Abstraction hierarchies in top-down design. *The Journal of Systems and Software*, 2(3): 213–224, September 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

McColl:1992:EEN

[MM92] R. Beth McColl and James C. McKim Jr. Evaluating and extending NPath as a software complexity measure. *The Journal of Systems and Software*, 17 (3):275–279, March 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Masiero:1993:DIG

[MM93a] P. C. Masiero and C. A. A. Meira. Development and instantiation of a generic application generator. *The Journal of Systems and Software*, 23(1):27–37, October 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

McKim:1993:CID

[MM93b] James C. McKim, Jr. and David A. Mondou. Class interface design: Designing for correctness. *The Journal of Systems and Software*, 23(2):85–94, November 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Morell:1993:SMT

[MM93c] Larry Morell and Branson Murrill. Semantic metrics through error flow analysis. *The Journal of Systems and Software*, 20 (3):253–265, March 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Mackey:1995:SMR

[MM95] Stephen R. Mackey and Lynn M. Meredith. Software migration and reengineering: a pilot project in reengineering. *The Journal of Systems and Software*, 30(1–2):137–150, July/ August 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Morrison:1992:EST

[MMSH92] Mike Morrison, Joline Morrison, Olivia R. Liu Sheng, and Kunihiko Higa. Environment selection, training, and implementation in high-level expert systems environments: Experiences and guidelines. *The Journal of Systems and Software*, 19(2):147–152, October 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Musa:1984:CTD

[MO84] John D. Musa and Kazuhira Okumoto. A comparison of time

domains for software reliability models. *The Journal of Systems and Software*, 4(4):277–287, November 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Mizuno:1990:ACL

[MO90] Masaaki Mizuno and Arthur E. Oldehoeft. An access control language for object-oriented programming systems. *The Journal of Systems and Software*, 13 (1):3–12, September 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Mohanty:1981:EMS

[Moh81] Siba N. Mohanty. Entropy metrics for software design evaluation. *The Journal of Systems and Software*, 2(1):39–46, February 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Moores:1998:ACM

[Moo98] Trevor T. Moores. Applying complexity measures to rule-based Prolog programs. *The Journal of Systems and Software*, 44(1):45–52, December 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/44/1/6070.pdf`.

Morganti:1986:CDF

[Mor86] M. Morganti. Communications in distributed fault-tolerant computing systems. *The Journal of Systems and Software*, 6(1–2): 213–216, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Morisio:1999:MPS

[Mor99] M. Morisio. Measurement processes are software, too. *The Journal of Systems and Software*, 49(1):17–31, December 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/46/25/27/article.pdf; http://www.elsevier.nl/gej-ng/10/29/11/46/25/abstract.html`.

Mostow:1984:DBF

[Mos84a] Jack Mostow. A decision-based framework for comparing hardware compilers. *The Journal of Systems and Software*, 4(1):39–50, April 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Mostow:1984:DFC

[Mos84b] Jack Mostow. Decision-based framework for comparing hardware compilers. *The Journal of Systems and Software*, 4(1):153–164, April 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Motschnig-Pitrik:1996:ANA

[Mot96] Renate Motschnig-Pitrik. Analyzing the notions of attribute, aggregate, part and member in data/knowledge modeling. *The Journal of Systems and Software*,

33(2):113–122, May 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Moynihan:1996:ECO

[Moy96] Tony Moynihan. An experimental comparison of object-orientation and functional-decomposition as paradigms for communicating system functionality to users. *The Journal of Systems and Software*, 33(2):163–169, May 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Moore:1989:TPS

[MP89] Freeman L. Moore and Phillip R. Purvis. Training practicing software engineers at Texas Instruments. *The Journal of Systems and Software*, 10(4):253–260, November 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Motschnig-Pitrik:1990:FSC

[MP90] R. Motschnig-Pitrik. A framework for the support of a common structural level for software-, data base-, and knowledge-based systems. *The Journal of Systems and Software*, 12(2): 125–137, May 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Makki:1994:NSO

[MP94] Kia Makki and Niki Pissinou. A new storage organization for temporal data bases. *The Journal of Systems and Software*, 27(3):159–169, December 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Murrell:1995:FSR

[MP95] S. Murrell and R. Plant. Formal semantics for rule-based systems. *The Journal of Systems and Software*, 29(3):251–259, June 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Miellou:1986:IMP

[MPS86] J.-C. Miellou, G.-R. Perrin, and P. Spiteri. Inexpensive method of performance evaluation for subdomain decomposition parallel algorithms of three-dimensional elliptical problems. *The Journal of Systems and Software*, 6(1–2): 169–173, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

McHenry:1980:STI

[MR80] Robert C. McHenry and Jerry A. Rand. Software technology and integration engineering. *The Journal of Systems and Software*, 1(3):187–193, ???? 1980. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Mili:1983:RMI

[MR83] Ali Mili and Donna Reese. Representation and manipulation of information systems: a simplified approach. *The Journal of Systems and Software*, 3(1):85–93, March 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Markowitz:1984:ERA

[MR84] Victor M. Markowitz and Yoav Raz. Entity-relationship algebra and its semantic description capabilities. *The Journal of Systems and Software*, 4(2–3):147–162, July 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Marie:1986:AMM

[MR86] Raymond Marie and Gerardo Rubino. Approximation for a multiclass. /M/1/Fifo queue imbedded in a closed queueing network. *The Journal of Systems and Software*, 6(1–2):31–39, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Misic:1999:ASA

[MR99] Mark M. Misic and Nancy L. Russo. An assessment of systems analysis and design courses. *The Journal of Systems and Software*, 45(3):197–202, March 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/45/3/6105.pdf`.

Mili:1994:PSC

[MRW+94] Hafedh Mili, Roy Radai, Wang Weigang, Karl Strickland, Cornelia Boldyreff, Lene Olsen, Jan Witt, Jurgen Heger, Wolfgang Scherr, and Peter Elzer. Practitioner and SoftClass: a comparative study of two software reuse research projects. *The Journal of Systems and Software*, 25(2): 147–170, May 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Manley:1979:EIa

[MS79a] John H. Manley and Alan B. Salisbury. Editors' introduction. *The Journal of Systems and Software*, 1(1):1, ???? 1979. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Manley:1979:EIb

[MS79b] John H. Manley and Alan B. Salisbury. Editors' introduction. *The Journal of Systems and Software*, 1(2):105, ???? 1979. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Majoros:1981:SPT

[MS81] Maria Majoros and Harry M. Sneed. Softest program test system. *The Journal of Systems and Software*, 2(4):289–296, December 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Mishra:1990:FTM

[MS90] Shivakant Mishra and Pradip K. Srimani. Fault-tolerant mutual exclusion algorithms. *The Journal of Systems and Software*, 11 (2):111–129, February 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Mehta:1997:MTA

[MS97] Dinesh P. Mehta and Sartaj Sahni. Models, techniques, and

algorithms for finding, selecting, and displaying patterns in strings and other discrete objects. *The Journal of Systems and Software*, 39(3):201–221, December 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Morrey:1998:TSC

[MSHB98] Ian Morrey, Jawed Siddiqi, Richard Hibberd, and Graham Buckberry. A toolset to support the construction and animation of formal specifications. *The Journal of Systems and Software*, 41(3):147–160, June 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/41/3/6016.pdf`.

Mili:1990:OOM

[MSI90] Hafedh Mili, John Sibert, and Yoav Intrator. An object-oriented model based on relations. *The Journal of Systems and Software*, 12(2):139–155, May 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Misic:1998:EEC

[MT98] Vojislav B. Mišić and Dejan N. Tešić. Estimation of effort and complexity: an object-oriented case study. *The Journal of Systems and Software*, 41(2): 133–143, May 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/41/2/6014.pdf`.

Mata-Toledo:1992:FAS

[MTG92] Ramon A. Mata-Toledo and David A. Gustafson. A factor analysis of software complexity measures. *The Journal of Systems and Software*, 17(3):267–273, March 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Miyazaki:1994:RRD

[MTON94] Y. Miyazaki, M. Terakado, K. Ozaki, and H. Nozaki. Robust regression for developing software estimation models. *The Journal of Systems and Software*, 27(1):3–16, October 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Mata-Toledo:1997:VRS

[MTW97] Ramón A. Mata-Toledo and Matthew A. Willis. Visualization of random sequences using the chaos game algorithm. *The Journal of Systems and Software*, 39(1):3–6, October 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Mueller:1986:DAS

[Mue86] Bruno Mueller. Decomposition approach for the stationary analysis of fault tolerant queueing systems. *The Journal of Systems and Software*, 6(1–2):199–204, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Murphy:1999:TSP

[Mur99] Michael G. Murphy. Teaching software project management: a response–interaction approach. *The Journal of Systems and Software*, 49(2–3):145–148, December 30, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/46/26/29/article.pdf; http://www.elsevier.nl/gej-ng/10/29/11/46/26/abstract.html`.

Musa:1980:SRM

[Mus80] John D. Musa. Software reliability measurement. *The Journal of Systems and Software*, 1(3):223–241, ???? 1980. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Morell:1993:FDS

[MV93] Larry J. Morell and Jeffrey M. Voas. A framework for defining semantic metrics. *The Journal of Systems and Software*, 20(3):245–251, March 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Mostert:1995:TIC

[MvS95] D. N. J. Mostert and S. H. von Solms. A technique to include computer security, safety, and resilience requirements as part of the requirements specification. *The Journal of Systems and Software*, 31(1):45–53, October 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Mehrotra:1995:AKB

[MW95] Mala Mehrotra and Chris Wild. Analyzing knowledge-based systems with multiviewpoint clustering analysis. *The Journal of Systems and Software*, 29(3):235–249, June 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Mikler:1997:QVF

[MWH97] Armin R. Mikler, Johnny S. K. Wong, and Vasant Honavar. Quo vadis — a framework for intelligent routing in large communication networks. *The Journal of Systems and Software*, 37(1):61–73, April 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Mikler:1998:OOA

[MWH98] Armin R. Mikler, Johnny S. K. Wong, and Vasant Honavar. An object oriented approach to simulating large communication networks. *The Journal of Systems and Software*, 40(2):151–164, February 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Myrvold:1990:DAS

[Myr90] Alan Myrvold. Data analysis for software metrics. *The Journal of Systems and Software*, 12(3):271–275, July 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Navabi:1992:HLL

[Nav92] Zainalabedin Navabi. A high-level language for design and modeling of hardware. *The Journal of Systems and Software*, 18(1):5–18, April 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Nusenoff:1993:GST

[NB93] Ronald E. Nusenoff and Dennis C. Bunde. A guidebook and a spreadsheet tool for a corporate metrics program. *The Journal of Systems and Software*, 23(3): 245–255, December 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Norcio:1988:DCS

[NC88] A. F. Norcio and L. J. Chmura. Designing complex software. *The Journal of Systems and Software*, 8(3):165–184, June 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Nesi:1996:MFO

[NC96] P. Nesi and M. Campanai. Metric framework for object-oriented real-time systems specification languages. *The Journal of Systems and Software*, 34(1):43–65, July 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Naumann:1980:DIR

[NDM80] J. David Naumann, Gordon B. Davis, and James D. McKeen. Determining information requirements: a contingency method for selection of a requirements assurance strategy. *The Journal of Systems and Software*, 1(4):273–281, ???? 1980. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Nechvatal:1996:PKB

[Nec96] James Nechvatal. A public-key-based key escrow system. *The Journal of Systems and Software*, 35(1):73–83, October 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Neilsen:1997:PNK

[Nei97] Mitchell L. Neilsen. Properties of nondominated K-coteries. *The Journal of Systems and Software*, 37(1):91–96, April 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Nelson:1981:FPA

[Nel81] Eldred Nelson. Functional programming analysis. *The Journal of Systems and Software*, 2(3): 225–235, September 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Narayanaswamy:1991:FFC

[NG91] K. Narayanaswamy and Neil M. Goldman. A flexible framework for cooperative distributed software development. *The Journal of Systems and Software*, 16 (2):97–105, October 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ng:1993:VOO

[Ng93] K. W. Ng. A visual object-oriented concurrent LISP multiparadigm environment. *The Journal of Systems and Software*, 22(2):91–106, August 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ng:1999:RBV

[Ng99] Joseph Kee-Yin Ng. A reserved bandwidth video smoothing algorithm for MPEG transmission. *The Journal of Systems and Software*, 48(3):233–245, November 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/37/24/23/article.pdf; http://www.elsevier.nl/gej-ng/10/29/11/37/24/abstract.html`.

Ni:1997:ETT

[Ni97] David Chi-Liang Ni. Enumeration and traceability tools for UNIX^{TM} and WINDOWS^{TM} environments. *The Journal of Systems and Software*, 39(1):15–25, October 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Nitsche:1996:VBA

[Nit96] Ulrich Nitsche. Verification and behavior abstraction towards a tractable verification technique for large distributed systems. *The Journal of Systems and Software*, 33(3):273–285, June 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Nitsche:1998:AFV

[Nit98] Ulrich Nitsche. Application of formal verification and behaviour abstraction to the service interaction problem in intelligent networks. *The Journal of Systems and Software*, 40(3):227–248, March 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Naslund:1999:UIC

[NL99] Torbjörn Näslund and Jonas Löwgren. Usability inspection in contract-based systems development — a contextual assessment. *The Journal of Systems and Software*, 45(3):233–240, March 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/45/3/6109.pdf`.

Neilsen:1993:QBA

[NM93] Mitchell L. Neilsen and Masaaki Mizuno. A quorum-based algorithm for parameterized semaphore operations. *The Journal of Systems and Software*, 21 (1):103–112, April 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Notkin:1985:ABG

[Not85a] David Notkin. Annotated bibliography of Gandalf literature.

The Journal of Systems and Software, 5(2):173–176, May 1985. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Notkin:1985:GP

[Not85b] David Notkin. Gandalf Project. *The Journal of Systems and Software*, 5(2):91–105, May 1985. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Nesi:1998:EEP

[NQ98] P. Nesi and T. Querci. Effort estimation and prediction of object-oriented systems. *The Journal of Systems and Software*, 42(1):89–102, July 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/42/1/6021.pdf`.

Nyari:1983:SPA

[NS83] Erika Nyari and Harry Sneed. Sofspec: a pragmatic approach to automated specification verification. *The Journal of Systems and Software*, 3(3):193–200, September 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Narayanaswamy:1987:DFS

[NS87] K. Narayanaswamy and Walt Scacchi. Database foundation to support software system evolution. *The Journal of Systems and Software*, 7(1):37–49, March 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Naik:1992:VPC

[NS92] Kshirasagar Naik and Behcet Sarikaya. Verification of protocol conformance test cases using reachability analysis. *The Journal of Systems and Software*, 19 (1):41–57, September 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Nakata:1984:IED

[NY84] Shuji Nakata and Go Yamazaki. Ismos: an experimental database-oriented tool generator. *The Journal of Systems and Software*, 4(2–3):219–238, July 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Osterweil:1979:ALC

[OBS79] Leon J. Osterweil, John R. Brown, and Leon G. Stucki. ASSET: a life cycle verification and visibility system. *The Journal of Systems and Software*, 1(1): 77–86, ???? 1979. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Oman:1990:DCT

[OC90] Paul W. Oman and Curtis R. Cook. Design and code traceability using a PDL metrics tool. *The Journal of Systems and Software*, 12(3):189–198, July 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Oman:1991:PST

[OC91] Paul W. Oman and Curtis R. Cook. A programming style taxonomy. *The Journal of Systems and Software*, 15(3):287–301, July 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Oman:1989:EPE

[OCCN89] Paul W. Oman, Curtis, R. Cook, and Murthi Nanja. Effects of programming experience in debugging semantic errors. *The Journal of Systems and Software*, 9(3):197–207, March 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Okumoto:1980:ORT

[OG80] Kazu Okumoto and Amrit L. Goel. Optimum release time for software systems based on reliability and cost criteria. *The Journal of Systems and Software*, 1 (4):315–318, ???? 1980. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Oman:1994:CTP

[OH94] Paul Oman and Jack Hagemeister. Construction and testing of polynomials predicting software maintainability. *The Journal of Systems and Software*, 24 (3):251–266, March 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Odani:1990:HBS

[OHBR90] Masayasu Odani, Sun Young Hwang, Tom Blank, and Tom Rokicki. The Hermod behavioral synthesis system. *The Journal of Systems and Software*, 13(1):39–54, September 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Offutt:1993:SMS

[OHK93] A. Jefferson Offutt, Mary Jean Harrold, and Priyadarshan Kolte. A software metric system for module coupling. *The Journal of Systems and Software*, 20 (3):295–308, March 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Orailoglu:1994:SFT

[OK94] Alex Orailoğlu and Ramesh Karri. Synthesis of fault-tolerant and real-time microarchitectures. *The Journal of Systems and Software*, 25(1):73–84, April 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Obara:1997:MAT

[OKOM97] E. Obara, T. Kawasaki, Y. Ookawa, and N. Maeda. Metrics and analyses in the test phase of large-scale software. *The Journal of Systems and Software*, 38(1):37–46, July 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Offutt:1999:GTD

[OL99] A. Jefferson Offutt and Shaoying Liu. Generating test data from SOFL specifications. *The Journal of Systems and Software*, 49(1):49–62, December 15, 1999.

CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/46/25/30/article.pdf`; `http://www.elsevier.nl/gej-ng/10/29/11/46/25/abstract.html`.

ONeill:1983:IEP

[O'N83] Don O'Neill. Integration engineering perspective. *The Journal of Systems and Software*, 3(1): 77–83, March 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Oravec:1992:GEI

[OP92] Jo Ann Oravec and Robert Plant. Guest Editors' introduction. *The Journal of Systems and Software*, 19(2):111, October 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Onorato:1987:PND

[OS87] Lisa A. Onorato and Roger W. Schvaneveldt. Programmer-nonprogrammer differences in specifying procedures to people and computers. *The Journal of Systems and Software*, 7(4): 357–369, December 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

OHara-Schettino:1998:DNM

[OSG98] Elizabeth O'Hara-Schettino and Hassan Gomaa. Dynamic navigation in multiple view software specifications and designs. *The Journal of Systems and Software*, 41(2):93–103, May 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/41/2/6010.pdf`.

Ostroff:1992:FMS

[Ost92] Jonathan S. Ostroff. Formal methods for the specification and design of real-time safety critical systems. *The Journal of Systems and Software*, 18(1):33–60, April 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.cs.yorku.ca/People/Jonathan.Ostroff/survey/combined-paper/combined-paper.html`.

Oravec:1992:IWC

[OT92] Jo Ann Oravec and Larry Travis. If we could do it over, we'd ... learning from less-than-successful expert system projects. *The Journal of Systems and Software*, 19(2):113–122, October 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ostrand:1984:CCS

[OW84] Thomas J. Ostrand and Elaine J. Weyuker. Collecting and categorizing software error data in an industrial environment. *The Journal of Systems and Software*, 4(4):289–300, November 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Owolabi:1996:DOE

[Owo96] O. Owolabi. Dictionary organizations for efficient similarity retrieval. *The Journal of Systems and Software*, 34(2):127–132, August 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ozkul:1997:EAL

[Ozk97] Tarik Ozkul. Estimating acquisition loop time for time-critical real-time data acquisition applications for the purpose of selecting appropriate hardware and software. *The Journal of Systems and Software*, 37(3):227–233, June 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Polat:1999:MAT

[PA99] Faruk Polat and Reda Alhajj. A multi-agent tuple-space based problem solving framework. *The Journal of Systems and Software*, 47(1):11–17, May 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/47/1/6134.pdf`.

Panzl:1981:MES

[Pan81] David J. Panzl. Method for evaluating software development techniques. *The Journal of Systems and Software*, 2(2):133–137, June 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Parkinson:1986:PAP

[Par86] D. Parkinson. Performance analysis in a 4096 processor environment. *The Journal of Systems and Software*, 6(1–2):11–15, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Parnas:1998:FMT

[Par98] David Lorge Parnas. "formal methods" technology transfer will fail. *The Journal of Systems and Software*, 40(3):195–198, March 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Pasquini:1996:EVD

[Pas96] A. Pasquini. Empirical validation of a domain test selection criterion. *The Journal of Systems and Software*, 35(2): 107–117, November 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Paul:1992:RC

[Pau92] Raymond A. Paul. Readers' corner. *The Journal of Systems and Software*, 17(1):1–3, January 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Parrish:1993:AFG

[PBC93] Allen S. Parrish, Richard B. Borie, and David W. Cordes. Automated flow graph-based testing of object-oriented software modules. *The Journal of Systems and Software*, 23(2):95–109,

November 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Poo:1998:CSM

[PC98a] Danny C. C. Poo and Mui Ken Chung. CASE and software maintenance practices in Singapore. *The Journal of Systems and Software*, 44(2):97–105, December 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/44/2/6075.pdf`.

Poo:1998:SEP

[PC98b] Danny C. C. Poo and Mui Ken Chung. Software engineering practices in Singapore. *The Journal of Systems and Software*, 41(1):3–15, April 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/41/1/6002.pdf`.

Poggi:1998:UPD

[PD98] Agostino Poggi and Giulio Destri. Using PVM to develop a distributed object-oriented language for heterogeneous processing. *The Journal of Systems and Software*, 40(2):139–150, February 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Perkusich:1994:EFT

[PdC94] Angelo Perkusich, J. C. A. de Figueiredo, and S. K. Chang. Embedding fault-tolerant properties in the design of complex software systems. *The Journal of Systems and Software*, 25(1):23–37, April 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Perkusich:1997:GNP

[PdF97] Angelo Perkusich and Jorge C. A. de Figueiredo. G-Nets: a Petri net based approach for logical and timing analysis of complex software systems. *The Journal of Systems and Software*, 39 (1):39–59, October 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Prieto-Diaz:1986:MIL

[PDN86] Rubén Prieto-Díaz and James M. Neighbors. Module interconnection languages. *The Journal of Systems and Software*, 6(4):307–334, November 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Pfleeger:1995:MMG

[Pfl95] Shari Lawrence Pfleeger. Maturity, models and goals: How to build a metrics plan. *The Journal of Systems and Software*, 31(2):143–155, November 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Pfleeger:1999:UIT

[Pfl99] S. L. Pfleeger. Understanding and improving technology transfer in software engineering. *The Journal of Systems*

and Software, 47(2–3):111–124, July 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/47/2-3/6146.pdf`.

Pombortsis:1986:AMM

[PH86] A. Pombortsis and C. Halatsis. Analysis of a modified model for synchronous multiprocessor systems. *The Journal of Systems and Software*, 6(4):361–365, November 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Pombortsis:1993:PCS

[PH93] A. Pombortsis and C. Halatsis. Performance of circuit-switched interconnection networks under nonuniform traffic patterns. *The Journal of Systems and Software*, 20(2):189–201, February 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Pham:1994:ODV

[Pha94] Hoang Pham. On the optimal design of N-version software system subject to constraints. *The Journal of Systems and Software*, 27(1):55–61, October 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Phister:1981:MSD

[Phi81] Montgomery Phister, Jr. Model of the software development process. *The Journal of Systems and Software*, 2(3):237–255, September 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Philip:1998:SDG

[Phi98] George C. Philip. Software design guidelines for event-driven programming. *The Journal of Systems and Software*, 41(2): 79–91, May 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/41/2/6009.pdf`.

Pintelas:1989:OSS

[PK89] Panayotis E. Pintelas and Vasilios Kallistros. An overview of some software design languages. *The Journal of Systems and Software*, 10(2):125–138, September 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Post:1998:CEC

[PKK98] Gerald Post, Albert Kagan, and Robert T. Keim. A comparative evaluation of CASE tools. *The Journal of Systems and Software*, 44(2):87–96, December 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/44/2/6074.pdf`.

Powell:1983:DMD

[PL83] Michael L. Powell and Mark A. Linton. Database model of de-

bugging. *The Journal of Systems and Software*, 3(4):295–300, December 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Poo:1992:ESM

[PL92] Danny C. C. Poo and Paul J. Layzell. An evolutionary structural model for software maintenance. *The Journal of Systems and Software*, 18(2):113–123, May 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Padgham:1994:UIM

[PL94] Lin Padgham and Jonas Löwgren. A user interface management approach for object-oriented data base applications. *The Journal of Systems and Software*, 27(3):183–193, December 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Poo:1996:TIO

[PL96] Danny C. C. Poo and Shwu-Yi Lee. TarTAn: Interweaving objects with rules in information systems development. *The Journal of Systems and Software*, 33(1):3–14, April 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Pfahl:1999:ISD

[PL99] Dietmar Pfahl and Karl Lebsanft. Integration of system dynamics modelling with descriptive process modelling and goal-oriented measurement. *The Journal of Systems and Software*, 46(2–3):135–150, April 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/46/2-3/6122.pdf`.

Plant:1992:ESD

[Pla92] R. T. Plant. Expert system development and testing: a knowledge engineer's perspective. *The Journal of Systems and Software*, 19(2):141–146, October 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Plant:1995:GEC

[Pla95] Robert Plant. Guest Editor's corner: special issue on software quality in knowledge-based systems. *The Journal of Systems and Software*, 29(3):197–198, June 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Papazoglou:1990:OOA

[PM90a] M. P. Papazoglou and L. Marinos. An object-oriented approach to distributed data management. *The Journal of Systems and Software*, 11(2):95–109, February 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Pfleeger:1990:SMP

[PM90b] Shari Lawrence Pfleeger and Clement McGowan. Software metrics in the process maturity

framework. *The Journal of Systems and Software*, 12(3):255–261, July 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Pissinou:1994:CAT

[PM94] Niki Pissinou and Kia Makki. A coherent architecture for a temporal object data base management system. *The Journal of Systems and Software*, 27(3): 195–205, December 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

P:1999:OTA

[PM99] Ajith Tom P. and C. Siva Ram Murthy. Optimal task allocation in distributed systems by graph matching and state space search. *The Journal of Systems and Software*, 46(1): 59–75, April 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/46/1/6115.pdf`.

Powell:1999:SLC

[PMB99] Antony Powell, Keith Mander, and Duncan Brown. Strategies for lifecycle concurrency and iteration — a system dynamics approach. *The Journal of Systems and Software*, 46(2–3): 151–161, April 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/46/2-3/6123.pdf`.

Park:1996:FPS

[PNK96] Dong-Won Park, Swaminathan Natarajan, and Arkady Kanevsky. Fixed-priority scheduling of real-time systems using utilization bounds. *The Journal of Systems and Software*, 33(1):57–63, April 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Poo:1993:IES

[Poo93] Danny C. C. Poo. Implementing an evolutionary structural software model. *The Journal of Systems and Software*, 22(2):81–90, August 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Popescu:1992:RMK

[Pop92] Ilié Popescu. A relational model for knowledge representation in expert systems. *The Journal of Systems and Software*, 18(2): 147–155, May 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Porter:1993:UMD

[Por93] Adam A. Porter. Using measurement-driven modeling to provide empirical feedback to software developers. *The Journal of Systems and Software*, 20 (3):237–243, March 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Poulin:1995:PSR

[Pou95] Jeffrey S. Poulin. Populating software repositories: Incen-

tives and domain-specific software. *The Journal of Systems and Software*, 30(3):187–199, September 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Powell:1986:HAD

[Pow86] D. R. Powell. A hierarchical approach to distributed computing system dependability evaluation. *The Journal of Systems and Software*, 6(1–2):183–198, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Prasad:1994:RSA

[PP94] Aarthi Prasad and E. K. Park. Reuse system: an artificial intelligence—based approach. *The Journal of Systems and Software*, 27(3):207–221, December 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Pressman:1990:CCD

[Pre90] Israel Pressman. Controversy corner: The decision makers. *The Journal of Systems and Software*, 11(1):71–74, January 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Preece:1995:TQA

[Pre95] Alun D. Preece. Toward a quality assessment framework for knowledge-based systems. *The Journal of Systems and Software*, 29(3):219–234, June 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Porter:1990:ETG

[PS90] Adam A. Porter and Richard W. Selby. Evaluating techniques for generating metric-based classification trees. *The Journal of Systems and Software*, 12(3):209–218, July 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Pintelas:1991:CSF

[PT91] P. Pintelas and S. Tragoudas. A comparative study of five language independent programming environments. *The Journal of Systems and Software*, 14(1):3–15, January 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Probert:1984:HTE

[PU84a] Robert L. Probert and Hasan Ural. High-level testing and example-directed development of software specifications. *The Journal of Systems and Software*, 4(4):2–3, November 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Probert:1984:HLT

[PU84b] Robert L. Probert and Hasan Ural. High-level testing and example-directed development of software specifications. *The Journal of Systems and Software*, 4(4):317–325, November 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Pulk:1990:CCI

[Pul90] Brian E. Pulk. Controversy corner: Improving software project management. *The Journal of Systems and Software*, 13(3): 231–235, November 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Pombortsis:1994:CPA

[PV94] A. Pombortsis and I. Vlahavas. A contribution to the problem of avoiding congestion in multistage networks in the presence of unbalanced traffic. *The Journal of Systems and Software*, 26(3): 273–284, September 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Parnas:1987:ADR

[PW87] D. L. Parnas and D. M. Weiss. Active design reviews: Principles and practices. *The Journal of Systems and Software*, 7(4): 259–265, December 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Purtilo:1992:FPA

[PW92] James M. Purtilo and Elizabeth L. White. A flexible program adaptation system: Case studies in Ada. *The Journal of Systems and Software*, 17(2): 129–143, February 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Portman:1994:DIR

[PZ94] M. Portman and H. S. M. Zedan. The development of imprecise real-time systems. *The Journal of Systems and Software*, 27 (2):73–83, November 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Quintas:1994:CCS

[Qui94] Paul Quintas. Controversy Corner: Software engineering policy and practice: Lessons from the Alvey Program. *The Journal of Systems and Software*, 24(1):67–88, January 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Reid:1991:CCC

[RA91] Richard A. Reid and Peter L. Asprey. Controversy corner: Computer performance management: Conceptual considerations from an operations research perspective. *The Journal of Systems and Software*, 14(3):215–219, March 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Rumerstorfer:1996:BFS

[RA96] Hubert Rumerstorfer and Josef Altmann. BOOM — a first step to an object-oriented fourth generation system. *The Journal of Systems and Software*, 33(2): 171–177, May 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Redmond:1990:SMU

[RAC90] James A. Redmond and Reynold Ah-Chuen. Software metrics — a user's perspective. *The Journal of Systems and Software*, 13

(2):97–110, October 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Rader:1984:VSE

[Rad84] Jock A. Rader. VLSI and software engineering: Guest Editor's introduction. *The Journal of Systems and Software*, 4(1): 3–6, April 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Rahm:1992:FWA

[Rah92] Erhard Rahm. A framework for workload allocation in distributed transaction processing systems. *The Journal of Systems and Software*, 18(2):171–190, May 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Rajlich:1985:SRR

[Raj85] Vaclav Rajlich. Stepwise refinement revisited. *The Journal of Systems and Software*, 5(1):81–88, February 1985. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Rajlich:1994:DGM

[Raj94] Vaclav Rajlich. Decomposition/ generalization methodology for object-oriented programming. *The Journal of Systems and Software*, 24(2):181–186, February 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ramarao:1990:EFT

[Ram90] K. V. S. Ramarao. Efficient fault-tolerant broadcasts. *The Journal of Systems and Software*, 11(2):131–141, February 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Raveling:1981:SOD

[Rav81] Jerry Raveling. Status and outlook for DoD configuration management requirements. *The Journal of Systems and Software*, 2(4):363–370, December 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Robillard:1989:IMN

[RB89] Pierre N. Robillard and Germinal Boloix. The interconnectivity metrics: a new metric showing how a program is organized. *The Journal of Systems and Software*, 10(1):29–39, July 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Rijsenbrij:1993:PDP

[RB93a] D. B. B. Rijsenbrij and A. H. Bauer. Project diagnosis: a proper start is half the battle. *The Journal of Systems and Software*, 21(1):17–25, April 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Rijsenbrij:1993:QSS

[RB93b] D. B. B. Rijsenbrij and A. H. Bauer. A quality system for

a software house. *The Journal of Systems and Software*, 23(3): 211–224, December 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ramesh:1999:ECR

[RB99] V. Ramesh and Glenn J. Browne. Expressing casual relationships in conceptual database schemas. *The Journal of Systems and Software*, 45(3):225–232, March 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/45/3/6108.pdf`.

Robson:1991:APC

[RBCM91] D. J. Robson, K. H. Bennett, B. J. Cornelius, and M. Munro. Approaches to program comprehension. *The Journal of Systems and Software*, 14(2):79–84, February 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Rader:1995:OUC

[RBM95] Jock A. Rader, Alan W. Brown, and Ed J. Morris. Operational use of CASE integration: An investigation of the state of the practice. *The Journal of Systems and Software*, 28(1):59–68, January 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ram:1989:ADD

[RC89] Sudha Ram and Clark L. Chastain. Architecture of distributed data base systems. *The Journal of Systems and Software*, 10 (2):77–95, September 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Rising:1994:IHM

[RC94] Linda S. Rising and Frank W. Calliss. An information-hiding metric. *The Journal of Systems and Software*, 26(3):211–220, September 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Rus:1999:SPS

[RCL99] Ioana Rus, James Collofello, and Peter Lakey. Software process simulation for reliability management. *The Journal of Systems and Software*, 46(2–3): 173–182, April 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/46/2-3/6125.pdf`.

Rong-Chau:1993:PMA

[RCSD93] Liu Rong-Chau and Wang Sheng-De. Performance modeling and analysis of load balancing policies with priority queueing. *The Journal of Systems and Software*, 20(2):169–187, February 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Reck:1993:FSA

[Rec93] Martin Reck. Formally specifying an automated trade execution system. *The Journal of Sys-*

tems and Software, 21(3):245–252, June 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Reed:1985:CST

[Ree85] Alan Reed. Correct: a simulated text editor. *The Journal of Systems and Software*, 5(3):179–184, August 1985. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Reifer:1987:SRU

[Rei87] Donald J. Reifer. Softcost-R: User experiences and lessons learned at the age of one. *The Journal of Systems and Software*, 7(4):279–286, December 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Reifer:1990:ARF

[Rei90a] Donald J. Reifer. Asset-R: a function point sizing tool for scientific and real-time systems. *The Journal of Systems and Software*, 11(3):159–171, March 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Reifer:1990:CCD

[Rei90b] Donald J. Reifer. Controversy corner: a debate, Zucconi vs. Reifer: Is Asia really a threat? *The Journal of Systems and Software*, 12(1):74–77, April 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). See also [Zuc90b, Zuc90a].

Reynolds:1980:ECS

[Rey80] John H. Reynolds. Evaluation of contemporary software engineering techniques for a large Fortran simulation. *The Journal of Systems and Software*, 1(2):131–140, February 1980. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Reynolds:1984:MMC

[Rey84] Robert G. Reynolds. Metrics to measure the complexity of partial programs. *The Journal of Systems and Software*, 4(1):75–91, April 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Reynolds:1989:PMS

[Rey89] Robert G. Reynolds. The partial metrics system: a tool to support the metrics-driven design of pseudocode programs. *The Journal of Systems and Software*, 9 (4):287–295, May 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ruspini:1984:III

[RF84] Enrique H. Ruspini and Robert Fraley. Id: an intelligent information dictionary system. *The Journal of Systems and Software*, 4(2–3):197–205, July 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Rodriguez:1979:DFB

[RG79] Jorge E. Rodriguez and Sol J. Greenspan. Directed flowgraphs: The basis of a specification

and construction methodology for real-time systems. *The Journal of Systems and Software*, 1 (1):19–27, ???? 1979. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Riddle:1981:GEI

[Rid81] William E. Riddle. Guest Editor's introduction: Tool and methodology evaluation. *The Journal of Systems and Software*, 2(2):85–88, June 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ryu:1993:CIA

[RMC93] K. Ryu, S. R. Maeng, and J. W. Cho. Concurrency and inheritance in actor-based object-oriented languages. *The Journal of Systems and Software*, 20 (1):53–67, January 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Robertson:1998:ESL

[Rob98] David Robertson. An empirical study of the LSS specification toolkit in use. *The Journal of Systems and Software*, 42(2): 115–123, August 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/42/2/6031.pdf`.

Rodrigue:1986:SPD

[Rod86] Garry Rodrigue. Solving partial differential equations on multiprocessors. *The Journal of Systems and Software*, 6(1–2):147–154, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Rogers:1989:CAM

[Rog89] McCagie B. Rogers. Considerations for applying multiple-level protocols to satellite communication networks. *The Journal of Systems and Software*, 10(3): 201–212, October 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Rogers:1994:MPC

[Rog94] McCagie Brooks Rogers. The MYTHSEEKER project: Concepts and realization. *The Journal of Systems and Software*, 25 (3):271–298, June 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Romanovsky:1998:SAA

[Rom98] A. Romanovsky. A study of atomic action schemes intended for standard Ada. *The Journal of Systems and Software*, 43(1): 29–44, October 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/43/1/6048.pdf`.

Romanovsky:1999:CDS

[Rom99] Alexander Romanovsky. Class diversity support in object-oriented languages. *The Journal of Systems and Software*, 48 (1):43–57, August 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

URL http://www.elsevier.nl/gej-ng/10/29/11/37/17/21/abstract.html; http://www.elsevier.nl/gej-ng/10/29/11/37/17/21/article.pdf.

Rosselet:1987:LDB

[Ros87] A. Rosselet. Language definition-based compiler development. *The Journal of Systems and Software*, 7(2):145–161, June 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Rotenstreich:1989:RDP

[Rot89] Shmuel Rotenstreich. Reliability of distributed programs under overloads. *The Journal of Systems and Software*, 9(1):29–40, January 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Roweth:1986:DPA

[Row86] D. Roweth. Design and performance analysis of Transputer arrays. *The Journal of Systems and Software*, 6(1–2):21–22, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Rehder:1997:SCS

[RPL97] Bob Rehder, Nancy Pennington, and Adrienne Y. Lee. Scoring the completeness of software designs. *The Journal of Systems and Software*, 36(1):33–68, January 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Rajlich:1998:CSE

[RR98] Vaclav Rajlich and Shivkumar Ragunathan. A case study of evolution in object oriented and heterogeneous architectures. *The Journal of Systems and Software*, 43(2):85–91, November 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL http://www.elsevier.com/cas/tree/store/jss/sub/1998/43/2/6052.pdf.

Rine:1998:IRS

[RS98] David C. Rine and Robert M. Sonnemann. Investments in reusable software. A study of software reuse investment success factors. *The Journal of Systems and Software*, 41(1):17–32, April 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL http://www.elsevier.com/cas/tree/store/jss/sub/1998/41/1/6003.pdf.

Rai:1998:SQA

[RST98] Arun Rai, Haidong Song, and Marvin Troutt. Software quality assurance: an analytical survey and research prioritization. *The Journal of Systems and Software*, 40(1):67–83, January 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Robert:1986:PSB

[RT86] Y. Robert and M. Tchuente. Parallel solution of band triangular linear systems on VLSI arrays

with limited fan-out. *The Journal of Systems and Software*, 6 (1–2):155–163, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Rubinovitz:1993:DIQ

[RT93] Harvey Rubinovitz and Bhavani Thuraisingham. Design and implementation of a query processor for a trusted distributed data base management system. *The Journal of Systems and Software*, 21(1):49–69, April 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Russell:1990:ISS

[Rus90] Meg Russell. International survey of software measurement education and training. *The Journal of Systems and Software*, 12 (3):233–241, July 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Rombach:1992:TFL

[RUV92] H. Dieter Rombach, Bradford T. Ulery, and Jon D. Valett. Toward full life cycle control: Adding maintenance measurement to the SEL. *The Journal of Systems and Software*, 18(2):125–138, May 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Roeseler:1991:MQC

[Rv91] Armin Roeseler and Anneliese von Mayrhauser. Managing the quality of computing services: a user-oriented approach using utility theory and service-level indices. *The Journal of Systems and Software*, 16(3):185–196, November 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Roeseler:1992:USL

[Rv92] Armin Roeseler and Anneliese von Mayrhauser. Using service-level indices to manage the quality of computing services: a case study. *The Journal of Systems and Software*, 18(2):139–145, May 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Roeseler:1993:PBA

[Rv93] Armin Roeseler and Anneliese von Mayrhauser. A production-based approach to performance evaluation of computing technology. *The Journal of Systems and Software*, 20(2):153–162, February 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Raffo:1999:SPS

[RVM99] David M. Raffo, Joseph V. Vandeville, and Robert H. Martin. Software process simulation to achieve higher CMM levels. *The Journal of Systems and Software*, 46(2–3):163–172, April 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/46/2-3/6124.pdf`.

Ravoor:1997:MTP

[RW97] Suresh B. Ravoor and Johnny S. K. Wong. Multithreaded transaction processing in distributed systems. *The Journal of Systems and Software*, 38 (2):107–117, August 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Raz:1993:PCA

[RY93] Tzvi Raz and Alan Yaung. Process clustering with an algorithm based on a coupling metric. *The Journal of Systems and Software*, 22(3):217–223, September 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Raffa:1994:RPS

[RZ94] M. Raffa and G. Zollo. The role of professionals in small Italian software firms. *The Journal of Systems and Software*, 26(1): 19–30, July 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Sarwar:1993:FLP

[SAA93] S. Mansoor Sarwar and Marwan H. Abu-Amara. Functional languages: a performance study. *The Journal of Systems and Software*, 20(2):163–167, February 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Saleh:1994:ERP

[SAASA94] Kassem Saleh, Imtiaz Ahmad, Khaled Al-Saqabi, and Anjali Agarwal. An efficient recovery procedure for fault tolerance in distributed systems. *The Journal of Systems and Software*, 25(1): 39–50, April 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Sage:1995:SES

[Sag95] Andrew P. Sage. Systems engineering and systems management for reengineering. *The Journal of Systems and Software*, 30(1–2):3–25, July/August 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Sahraoui:1994:STA

[Sah94] A. E. K. Sahraoui. Some timing aspects of software development for reactive systems: The two-axis paradigm. *The Journal of Systems and Software*, 25(1): 51–57, April 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Saiedian:1998:GEC

[Sai98] Hossein Saiedian. Guest Editor's corner: research directions in formal methods technology transfer. *The Journal of Systems and Software*, 40(3):187–189, March 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Saiedian:1999:SEE

[Sai99] Hossein Saiedian. Software engineering education and training for the next millennium. *The Journal of Systems and Software*,

49(2–3):113–115, December 30, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/46/26/25/article.pdf; http://www.elsevier.nl/gej-ng/10/29/11/46/26/abstract.html`.

Sakai:1984:ERB

[Sak84] Hirotaka Sakai. Entity-relationship behavior modeling in conceptual schema design. *The Journal of Systems and Software*, 4(2–3): 135–145, July 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Salisbury:1980:TCH

[Sal80] Alan B. Salisbury. TACFIRE: a case history of a weapon system software development. *The Journal of Systems and Software*, 1(2):155–175, ???? 1980. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Samson:1993:KBT

[Sam93] Dolly Samson. Knowledge-based test planning: Framework for a knowledge-based system to prepare a system test plan from system requirements. *The Journal of Systems and Software*, 20(2): 115–124, February 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Sanden:1995:DCS

[San95] Bo I. Sanden. Designing control systems with entity-life modeling. *The Journal of Systems and Software*, 28(3):225–237, March 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Swanson:1988:UCS

[SB88] E. Burton Swanson and Cynthia M. Beath. Use of case study data in software management research. *The Journal of Systems and Software*, 8(1):63–71, January 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Subramanian:1993:DRS

[SB93] Girish H. Subramanian and Steven Breslawski. Dimensionality reduction in software development effort estimation. *The Journal of Systems and Software*, 21(2):187–196, May 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Subramanian:1995:EAS

[SB95] Girish H. Subramanian and Steven Breslawski. An empirical analysis of software effort estimate alterations. *The Journal of Systems and Software*, 31(2): 135–141, November 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Staalhane:1997:SCQ

[SBA97] T. Stålhane, P. C. Borgersen, and K. Arnesen. In search of the customer's quality view. *The Journal of Systems and Software*, 38(1):85–93, July 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Son:1998:DTD

[SBB98] Sang H. Son, Robert C. Beckinger, and David A. Baker. DRDB: Towards distributed real-time database services for time-critical active applications. *The Journal of Systems and Software*, 42(3):193–204, September 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/42/3/6038.pdf`.

Stansifer:1994:MCP

[SBM94] Ryan Stansifer, Mike Beaven, and Dan C. Marinescu. Modeling concurrent programs with colored Petri nets. *The Journal of Systems and Software*, 26 (2):129–148, August 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Shatz:1988:PNF

[SC88] S. M. Shatz and W. K. Cheng. A Petri net framework for automated static analysis of Ada tasking behavior. *The Journal of Systems and Software*, 8(5): 343–359, December 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Saiedian:1999:TEF

[SC99] Hossein Saiedian and Kalyani Chennupati. Towards an evaluative framework for software process improvement models. *The Journal of Systems and Software*, 47(2–3):139–148, July 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/47/2-3/6149.pdf`.

Scanlan:1988:LPU

[Sca88] David A. Scanlan. Learner preference for using structured flowcharts vs. pseudocode when comprehending short, relatively complex algorithms: a summary analysis. *The Journal of Systems and Software*, 8(2):145–155, March 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Scacchi:1999:ESP

[Sca99] Walt Scacchi. Experience with software process simulation and modeling. *The Journal of Systems and Software*, 46(2–3):183–192, April 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/46/2-3/6126.pdf`.

Scholtz:1993:OOP

[SCG+93] Jean Scholtz, Shyam Chidamber, Robert Glass, Al Goerner, Mary Beth Rosson, Mike Stark, and Iris Vessey. Object-oriented programming: The promise and the reality. *The Journal of Systems and Software*, 23(2): 199–204, November 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Schuman:1981:NSD

[Sch81] Antonia D. Schuman. New software documentation standard: Report on the Joint Logistic Commanders Joint Policy Coordinating Group on Computer Resource Management, Computer Software Management Subgroup, Software Workshop. *The Journal of Systems and Software*, 2(4):329–336, December 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Schmidt:1991:PAN

[Sch91] Heinz W. Schmidt. Prototyping and analysis of non-sequential systems using predicate-event nets. *The Journal of Systems and Software*, 15(1):43–62, April 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Schneberger:1997:DCE

[Sch97] Scott L. Schneberger. Distributed computing environments: Effects on software maintenance difficulty. *The Journal of Systems and Software*, 37(2): 101–116, May 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Sum:1986:AOS

[SCK86] R. N. Sum, Jr., R. H. Campbell, and W. J. Kubitz. An approach to operating system testing. *The Journal of Systems and Software*, 6(3):273–284, August 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Sindre:1995:RAS

[SCK95] Guttorm Sindre, Reidar Conradi, and Even-Andre Karlsson. The REBOOT approach to software reuse. *The Journal of Systems and Software*, 30(3):201–212, September 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Sarwar:1994:NFC

[SD94] S. Mansoor Sarwar and James A. Davis. New families of combinators for efficient list manipulation. *The Journal of Systems and Software*, 27(2):137–146, November 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Seddio:1993:ITM

[Sed93] Carl Seddio. Integrating test metrics within a software engineering measurement program at Eastman Kodak Company: a follow-up case study. *The Journal of Systems and Software*, 20 (3):227–235, March 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Seidewitz:1989:GOO

[Sei89] E. Seidewitz. General object-oriented software development: Background and experience. *The Journal of Systems and Software*, 9(2):95–108, February 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Selby:1993:IAT

[Sel93] Richard W. Selby. Interconnectivity analysis techniques for

error localization in large systems. *The Journal of Systems and Software*, 20(3):267–272, March 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Stytz:1992:DAS

[SF92] M. R. Stytz and O. Frieder. Dynamic adaptive surface rendering within a distributed memory multiprocessor. *The Journal of Systems and Software*, 19(3): 247–259, November 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Storey:1999:CDE

[SFM99] M.-A. D. Storey, F. D. Fracchia, and H. A. Müller. Cognitive design elements to support the construction of a mental model during software exploration. *The Journal of Systems and Software*, 44(3):171–185, January 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/44/3/6083.pdf`.

Schwan:1989:ARA

[SG89] K. Schwan and C. Gaimon. Automating resource allocation for multiprocessors. *The Journal of Systems and Software*, 9(2):51–66, February 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Scheff:1991:UDB

[SG91] Benson H. Scheff and Thomas Georgon. Using documentation blueprints to produce mandated DoD data items. *The Journal of Systems and Software*, 14(2): 103–110, February 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Saacks-Giguette:1993:FBD

[SGL93] Marguerite Saacks-Giguette and Antonio M. Lopez, Jr. A frame-based design for the TIMS and CAMS metadata for a stennis information management system. *The Journal of Systems and Software*, 20(1):87–92, January 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Shock:1998:CSS

[SH98] Robert C. Shock and Thomas C. Hartrum. A classification scheme for software modules. *The Journal of Systems and Software*, 42 (1):29–44, July 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/42/1/6025.pdf`.

Sheu:1989:DSD

[She89] Phillip C. Sheu. Describing semantic data bases with logic. *The Journal of Systems and Software*, 9(1):19–27, January 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Sheu:1990:KBA

[She90] Phillip C.-Y. Sheu. A knowledge-based approach for high-level programming of concurrent systems. *The Journal of Systems and Software*, 11(1):21–29, January 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Sherer:1994:MSF

[She94] Susan A. Sherer. Measuring software failure risk: Methodology and an example. *The Journal of Systems and Software*, 25(3): 257–269, June 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Sherer:1995:SFP

[She95] Susan A. Sherer. Software fault prediction. *The Journal of Systems and Software*, 29(2):97–105, May 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Shoja:1991:DFL

[Sho91] G. C. Shoja. A distributed facility for load sharing and parallel processing among workstations. *The Journal of Systems and Software*, 14(3):163–172, March 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Shum:1999:EFT

[Shu99] Kam Hong Shum. Effective fault tolerance for agent-based cluster computing. *The Journal of Systems and Software*, 48(3):189–196, November 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/37/24/20/article.pdf`; `http://www.elsevier.nl/gej-ng/10/29/11/37/24/abstract.html`.

Shepperd:1994:CTM

[SI94] M. Shepperd and D. C. Ince. A critique of three metrics. *The Journal of Systems and Software*, 26(3):197–210, September 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Shahmehri:1995:UCA

[SKF95] Nahid Shahmehri, Mariam Kamkar, and Peter Fritzson. Usability criteria for automated debugging systems. *The Journal of Systems and Software*, 31(1):55–70, October 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Sobol:1996:PCR

[SKS96] Marion G. Sobol, Albert Kagan, and Hirohisa Shimura. Performance criteria for relational databases in different normal forms. *The Journal of Systems and Software*, 34(1):31–42, July 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Skuce:1991:LSM

[Sku91] Douglas Skuce. A language and system for making definitions of

technical concepts. *The Journal of Systems and Software*, 14 (1):39–50, January 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Stark:1994:SMS

[SKV94] George E. Stark, Louise C. Kern, and C. W. Vowell. A software metric set for program maintenance management. *The Journal of Systems and Software*, 24 (3):239–249, March 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Schick:1980:USP

[SL80] G. J. Schick and Chi Yuan Lin. Use of a subjective prior distribution for the reliability of computer software. *The Journal of Systems and Software*, 1(3):259–266, ???? 1980. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Shin:1996:PMA

[SL96] Hyunsik Shin and Jinjoo Lee. A process model of application software package acquisition and implementation. *The Journal of Systems and Software*, 32(1):57–64, January 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Salisbury:1980:EI

[SM80] Alan B. Salisbury and John H. Manley. Editors' introduction. *The Journal of Systems and Software*, 1(4):271, ???? 1980. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Salisbury:1981:EIa

[SM81a] Alan B. Salisbury and John H. Manley. Editors' introduction. *The Journal of Systems and Software*, 2(1):1, February 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Salisbury:1981:EIb

[SM81b] Alan B. Salisbury and John H. Manley. Editors' introduction. *The Journal of Systems and Software*, 2(2):83, June 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Salisbury:1981:EIc

[SM81c] Alan B. Salisbury and John H. Manley. Editors' introduction. *The Journal of Systems and Software*, 2(3):191, September 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Salisbury:1981:EId

[SM81d] Alan B. Salisbury and John H. Manley. Editors' introduction. *The Journal of Systems and Software*, 2(4):279, December 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Salisbury:1983:EI

[SM83] Alan B. Salisbury and John H. Manley. Editors' introduction. *The Journal of Systems and Software*, 3(1):1, March 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Spangler:1992:SFC

[SM92a] William E. Spangler and Jerrold H. May. Success and failure in cooperative expert systems development: a tale of two projects. *The Journal of Systems and Software*, 19(2):131–140, October 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Summers:1992:CCC

[SM92b] Craig Summers and Eric Markusen. Controversy corner: Computers, ethics, and collective violence. *The Journal of Systems and Software*, 17(1):91–103, January 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Shieh:1996:OOA

[SMCL96] Ce-Kuen Shieh, Su-Cheong Mac, Tzu-Chiang Chang, and Chung-Ming Lai. An object-oriented approach to develop software fault-tolerant mechanisms for parallel programming systems. *The Journal of Systems and Software*, 32(3):215–225, March 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Siegel:1994:CIC

[SMS94] Michael Siegel, Stuart Madnick, and Edward Sciore. Context interchange in a client-server architecture. *The Journal of Systems and Software*, 27(3):223–232, December 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Shieh:1998:IPD

[SMU98] Ce-Kuen Shieh, Su-Cheong Mac, and Jyh-Chang Ueng. Improving the performance of distributed shared memory systems via parallel file input/output. *The Journal of Systems and Software*, 44 (1):3–15, December 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/44/1/6067.pdf`.

Samadzadeh:1991:SSM

[SN91] M. H. Samadzadeh and K. Nandakumar. A study of software metrics. *The Journal of Systems and Software*, 16(3): 229–234, November 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Sneed:1983:SSE

[Sne83] Harry M. Sneed. Softening software engineering system. *The Journal of Systems and Software*, 3(1):63–76, March 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Snyder:1979:IUC

[Sny79] Samuel S. Snyder. Influence of U.S. Cryptologic Organizations on the digital computer industry. *The Journal of Systems and Software*, 1(1):87–102, ???? 1979. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Snyder:1991:STG

[Sny91] Robin M. Snyder. Specifying textual to graphical conversion. *The Journal of Systems and Software*, 16(1):17–28, September 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Soloway:1987:SSE

[Sol87] Elliot Soloway. Special section on empirical studies of programming. *The Journal of Systems and Software*, 7(4):323, December 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Song:1993:LTG

[Son93] J. Song. A layout tool for Glotos. *The Journal of Systems and Software*, 21(2):151–162, May 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Stotts:1994:PFA

[SP94] P. David Stotts and William Pugh. Parallel finite automata for modeling concurrent software systems. *The Journal of Systems and Software*, 27(1):27–43, October 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Spafford:1992:CHB

[Spa92] Eugene H. Spafford. Are computer hacker break-ins ethical? *The Journal of Systems and Software*, 17(1):41–47, January 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Saleh:1999:DOC

[SPK99] Kassem Saleh, Robert Probert, and Hassib Khanafer. The distributed object computing paradigm: concepts and applications. *The Journal of Systems and Software*, 47(2–3):125–131, July 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/47/2-3/6147.pdf`.

Sherif:1998:MOO

[SS98] Joseph S. Sherif and Peter Sanderson. Metrics for object-oriented software projects. *The Journal of Systems and Software*, 44(2):147–154, December 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/44/2/6079.pdf`.

Schuba:1998:PEC

[SSK98] Christoph L. Schuba, Eugene H. Spafford, and Berry Kercheval. Prototyping experiences with classical IP and ARP over signaled ATM connections. *The Journal of Systems and Software*, 44(1):31–43, December 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.`

com/cas/tree/store/jss/sub/1998/44/1/6069.pdf.

Sikkel:1999:RWC

[SSvdW99] Klaas Sikkel, Ton A. M. Spil, and Rob L. W. van de Weg. A real-world case study in information technology for undergraduate students. *The Journal of Systems and Software*, 49(2–3):117–123, December 30, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL http://www.elsevier.nl/gej-ng/10/29/11/46/26/26/article.pdf; http://www.elsevier.nl/gej-ng/10/29/11/46/26/abstract.html.

Shieh:1989:ESA

[ST89] Ce Kuen Shieh and Li Ming Tseng. Extending a stand-alone personal computer to integrate multiple operating systems concurrently. *The Journal of Systems and Software*, 9(1):41–49, January 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Stavely:1983:MPS

[Sta83] Allan M. Stavely. Modeling and projection in software development. *The Journal of Systems and Software*, 3(2):137–146, June 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Stavely:1985:IMS

[Sta85] Allan M. Stavely. Inference from models of software systems. *The Journal of Systems and Software*, 5(3):185–191, August 1985. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Stavely:1990:AAC

[Sta90] Allan M. Stavely. Algorithms for analyzing concurrent software systems using derivatives. *The Journal of Systems and Software*, 11(1):3–20, January 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Stark:1993:IOO

[Sta93a] Mike Stark. Impacts of object-oriented technologies: Seven years of software engineering. *The Journal of Systems and Software*, 23(2):163–169, November 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Stavely:1993:ESI

[Sta93b] Allan M. Stavely. An empirical study of iteration in applications software. *The Journal of Systems and Software*, 22(3):167–177, September 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Stavridou:1999:ISI

[Sta99] Victoria Stavridou. Integration in software intensive systems. *The Journal of Systems and Software*, 48(2):91–104, October 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL http://www.elsevier.nl/gej-ng/10/29/11/37/23/19/article.pdf;

http://www.elsevier.nl/gej-ng/10/29/11/37/23/abstract.html.

Sedlmeyer:1983:KBF

[STJ83] Robert L. Sedlmeyer, William B. Thompson, and Paul E. Johnson. Knowledge-based fault localization in debugging. *The Journal of Systems and Software*, 3(4): 301–307, December 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Stoyenko:1992:ESA

[Sto92] Alexander D. Stoyenko. The evolution and state-of-the-art of real-time languages. *The Journal of Systems and Software*, 18(1): 61–83, April 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Stuebing:1983:IWS

[Stu83] H. G. Stuebing. Industrialization of weapon system software. *The Journal of Systems and Software*, 3(2):163–171, June 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Subramanian:1993:EES

[Sub93] Girish H. Subramanian. An empirical examination of software development modes. *The Journal of Systems and Software*, 23 (1):3–7, October 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Swigger:1988:DPP

[SW88] Kathleen M. Swigger and Layne F. Wallace. A discussion of past programming errors and their effect on learning assembly language. *The Journal of Systems and Software*, 8(5):395–399, December 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Saiedian:1993:COO

[SW93] Hossein Saiedian and Stan Wileman. A concurrent object-oriented framework for simulation of network protocols. *The Journal of Systems and Software*, 23(2):139–150, November 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Shah:1994:TMO

[SW94a] Pinaki Shah and Johnny Wong. Transaction management in an object-oriented database system. *The Journal of Systems and Software*, 24(2):115–124, February 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Staalhane:1994:QRC

[SW94b] Tor Stålhane and Kari J. Wedde. The quest for reliability: a case study. *The Journal of Systems and Software*, 26(1):69–76, July 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Semmel:1995:GEC

[SW95a] R. D. Semmel and M. Wilson. Guest Editors' corner: Reengineering complex systems. *The Journal of Systems and Software*,

30(1–2):1–2, July/August 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Semmel:1995:IRD

[SW95b] R. D. Semmel and R. P. Winkler. Integrating reengineered databases to support data fusion. *The Journal of Systems and Software*, 30(1–2):127–135, July/August 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Shah:1996:CCO

[SW96] Pinaki Shah and Johnny Wong. Concurrency control in an object-oriented data base system. *The Journal of Systems and Software*, 35(3):169–183, December 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Smith:1999:PMI

[SW99] C. U. Smith and L. G. Williams. A performance model interchange format. *The Journal of Systems and Software*, 49(1):63–80, December 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/46/25/31/article.pdf; http://www.elsevier.nl/gej-ng/10/29/11/46/25/abstract.html`.

Subramanian:1997:EEF

[SYB97] Girish H. Subramanian, Gayle J. Yaverbaum, and Stephen J. Brandt. An empirical evaluation of factors influencing expert systems effectiveness. *The Journal of Systems and Software*, 38(3): 255–261, September 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Shi:1998:EMC

[SZ98] Q. Shi and N. Zhang. An effective model for composition of secure systems. *The Journal of Systems and Software*, 43(3): 233–244, November 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/43/3/6064.pdf`.

Taivalsaari:1993:NO

[Tai93] Antero Taivalsaari. On the notion of object. *The Journal of Systems and Software*, 21(1):3–16, April 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Takahashi:1997:SQC

[Tak97] Ryouei Takahashi. Software quality classification model based on McCabe's complexity measure. *The Journal of Systems and Software*, 38(1):61–69, July 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Tang:1996:NDO

[Tan96] Shung-Ming Tang. A new data organizing algorithm for parallel searching. *The Journal of Systems and Software*, 32(2):121–

133, February 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Tardy:1992:SSA

[Tar92] Jean E. Tardy. Strategies for software acquisition. *The Journal of Systems and Software*, 18 (3):281–285, July 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Tausworthe:1980:WBS

[Tau80] Robert C. Tausworthe. Work breakdown structure in software project management. *The Journal of Systems and Software*, 1 (3):181–186, ???? 1980. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Tausworthe:1992:CCI

[Tau92] Robert C. Tausworthe. Controversy corner: Information models of software productivity: Limits on productivity growth. *The Journal of Systems and Software*, 19(2):185–201, October 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Turley:1995:CEN

[TB95] Richard T. Turley and James M. Bieman. Competencies of exceptional and nonexceptional software engineers. *The Journal of Systems and Software*, 28(1):19–38, January 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Terwilliger:1989:EEI

[TC89a] Robert B. Terwilliger and Roy H. Campbell. ENCOMPASS: An environment for the incremental development of software. *The Journal of Systems and Software*, 10(1):41–53, July 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Terwilliger:1989:PES

[TC89b] Robert B. Terwilliger and Roy H. Campbell. PLEASE: Executable specifications for incremental software development. *The Journal of Systems and Software*, 10(2):97–112, September 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Tang:1993:URH

[TC93] S. M. Tang and L. R. Chow. Using rank hashing function to develop a data allocating scheme for a two-disk system. *The Journal of Systems and Software*, 22 (2):107–115, August 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Toyn:1998:PLT

[TCMJ98] I. Toyn, D. M. Cattrall, J. A. McDermid, and J. L. Jacob. A practical language and toolkit for high-integrity tools. *The Journal of Systems and Software*, 41 (3):161–173, June 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/41/3/6017.pdf`.

Thibodeau:1980:LCP

[TD80] Robert Thibodeau and E. N. Dodson. Life cycle phase interrelationships. *The Journal of Systems and Software*, 1(3):203–211, ???? 1980. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Thomas:1997:AER

[TDB97] William M. Thomas, Alex Delis, and Victor R. Basili. An analysts of errors in a reuse-oriented development environment. *The Journal of Systems and Software*, 38(3):211–224, September 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Thompson:1999:PNG

[TE99] J. Barrie Thompson and Helen M. Edwards. Providing new graduate opportunities: experiences with a UK Master's level computing conversion course. *The Journal of Systems and Software*, 49(2–3):135–143, December 30, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/46/26/28/article.pdf; http://www.elsevier.nl/gej-ng/10/29/11/46/26/abstract.html`.

Turner:1999:CBF

[TFLW99] C. Reid Turner, Alfonso Fuggetta, Luigi Lavazza, and Alexander L. Wolf. A conceptual basis for feature engineering. *The Journal of Systems and Software*, 49(1):3–15, December 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/46/25/26/article.pdf; http://www.elsevier.nl/gej-ng/10/29/11/46/25/abstract.html`.

Thayer:1980:OSU

[Tha80] Richard H. Thayer. Organizational structures used in software development by the U.S. aerospace industry. *The Journal of Systems and Software*, 1(4):283–297, ???? 1980. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Thimbleby:1994:CCO

[Thi94] Harold Thimbleby. Controversy corner: an organizational solution to piracy and viruses. *The Journal of Systems and Software*, 25(2):207–215, May 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Tian:1996:IAT

[Tia96] Jeff Tian. An integrated approach to test tracking and analysis. *The Journal of Systems and Software*, 35(2):127–140, November 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Tian:1999:MCI

[Tia99] Jeff Tian. Measurement and continuous improvement of software reliability throughout software life-cycle. *The Journal of*

Systems and Software, 47(2–3): 189–195, July 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/47/2-3/6154.pdf`.

Thomsen:1987:TPL

[TK87] Kristine Stougaard Thomsen and Jorgen Lindskov Knudsen. Taxonomy for programming languages with multisequential processes. *The Journal of Systems and Software*, 7(2):127–140, June 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Tao:1991:FDV

[TK91] Yonglei Tao and Chenho Kung. Formal definition and verification of data flow diagrams. *The Journal of Systems and Software*, 16(1):29–36, September 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Tesch:1995:ISP

[TKS95] Deborah B. Tesch, Gary Klein, and Marion G. Sobol. Information system professionals' attitudes: Development tools and concepts. *The Journal of Systems and Software*, 28(1):39–47, January 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Tung:1993:MVE

[TKU93] Yukuh Tung, Amir A. Khwaja, and Joseph E. Urban. Multiple views of an executable software specification language. *The Journal of Systems and Software*, 21(3):305–319, June 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Thoreson:1989:LMH

[TL89] Sharilyn A. Thoreson and Arlen N. Long. Locality, a memory hierarchy, and program restructuring in a dataflow environment. *The Journal of Systems and Software*, 9(4):245–252, May 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Tang:1995:SLO

[TL95] S. M. Tang and R. Chow Louis. The study of letter-oriented hashing schemes. *The Journal of Systems and Software*, 28(2): 157–167, February 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Tan:1996:CRD

[TL96] Hee Beng Kuan Tan and Tok Wang Ling. Components reuse for data-intensive business programs through an object-oriented architecture. *The Journal of Systems and Software*, 34 (1):3–20, July 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Tan:1999:IDP

[TL99] Hee Beng Kuan Tan and Tok Wang Ling. Integrated design patterns for database applications. *The Journal of Systems*

and Software, 47(2–3):159–172, July 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/47/2-3/6151.pdf`.

Lu:1989:SDI

[tLF89] Ming te Lu and Crumpton Farrell. Software development: an international perspective. *The Journal of Systems and Software*, 9(4):305–309, May 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Tichy:1995:EEC

[TLPH95] Walter F. Tichy, Paul Lukowicz, Lutz Prechelt, and Ernst A. Heinz. Experimental evaluation in computer science: a quantitative study. *The Journal of Systems and Software*, 28(1):9–18, January 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Troy:1997:ADD

[TM97] Douglas Troy and Robert McQueen. An approach for developing domain specific CASE tools and its application to manufacturing process control. *The Journal of Systems and Software*, 38 (2):165–192, August 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Tom:1998:ARO

[TM98] P. Ajith Tom and C. Siva Ram Murthy. Algorithms for reliability-oriented module allocation in distributed computing systems. *The Journal of Systems and Software*, 40(2):125–138, February 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Tomayko:1989:LLT

[Tom89] James E. Tomayko. Lessons learned teaching Ada in the context of software engineering. *The Journal of Systems and Software*, 10(4):281–283, November 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Torn:1990:MSA

[Tör90] Aimo A. Törn. Models of software accumulation. *The Journal of Systems and Software*, 12(1): 39–42, April 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Takahashi:1995:CSS

[TOYI95] Kenji Takahashi, Atsuko Oka, Shuichiro Yamamoto, and Sadahiro Isoda. A comparative study of structured and text-oriented analysis and design methodologies. *The Journal of Systems and Software*, 28(1):69–75, January 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Tomayko:1989:SEG

[TR89] James E. Tomayko and David J. Rodjak. Is software engineering graduate-level material? *The Journal of Systems and Software*, 10(4):231–233, November 1989.

CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Treiber:1981:ITE

[Tre81] Arthur E. Treiber. Interoperability through effective information exchange standards. *The Journal of Systems and Software*, 2(4): 337–350, December 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Tricot:1986:CA

[Tri86a] M. Tricot. Classification algorithms. *The Journal of Systems and Software*, 6(1–2):93, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Tripathi:1986:DPS

[Tri86b] Satish K. Tripathi. On detecting parallelism in software. *The Journal of Systems and Software*, 6(1–2):133–135, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Titus:1989:FRS

[TS89] Gregory B. Titus and Allan M. Stavely. Finding reachable states of finite-state concurrent systems. *The Journal of Systems and Software*, 9(4):253–272, May 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Tsuchiya:1985:AAD

[Tsu85] M. Tsuchiya. Availability analysis for the design of distributed processing networks. *The Journal of Systems and Software*, 5 (3):221–227, August 1985. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Tsai:1993:LMM

[TT93] Shang Rong Tsai and Lian-Jou Tsai. A logical machine monitor supporting an environment for development and execution of operating systems. *The Journal of Systems and Software*, 21(1): 27–39, April 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Tian:1998:CMD

[TT98] Jeff Tian and Joel Troster. A comparison of measurement and defect characteristics of new and legacy software systems. *The Journal of Systems and Software*, 44(2):135–146, December 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/44/2/6078.pdf`.

Tian:1997:TSS

[TTP97] Jeff Tian, Joel Troster, and Joe Palma. Tool support for software measurement analysis and improvement. *The Journal of Systems and Software*, 39(2): 165–178, November 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Triantafyllos:1994:SMM

[TVK94] George Triantafyllos, Stamatis Vassiladis, and Walid Kobrosly. Software metrics for the microcode of computer systems. *The Journal of Systems and Software*, 26(3):221–232, September 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Triantafyllos:1995:PCI

[TVK95] George Triantafyllos, Stamatis Vassiliadis, and Walid Kobrosly. On the prediction of computer implementation faults via static error prediction models. *The Journal of Systems and Software*, 28(2):129–142, February 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Thambu:1995:ETB

[TW95] Priyamvadha Thambu and Johnny Wong. An efficient token-based mutual exclusion algorithm in a distributed system. *The Journal of Systems and Software*, 28 (3):267–276, March 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Tiemeyer:1998:TMA

[TW98] Matthew P. Tiemeyer and Johnny S. K. Wong. A task migration algorithm for heterogeneous distributed computing systems. *The Journal of Systems and Software*, 41(3): 175–188, June 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/41/3/6018.pdf`.

Troy:1981:MQS

[TZ81] Douglas A. Troy and Stuart H. Zweben. Measuring the quality of structured designs. *The Journal of Systems and Software*, 2(2):113–120, June 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Tian:1992:FPC

[TZ92] Jianhui Tian and Marvin V. Zelkowitz. A formal program complexity model and its application. *The Journal of Systems and Software*, 17(3):253–266, March 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Uckan:1991:KRU

[Uck91] Yuksel Uckan. Knowledge representation using views in relational deductive data bases. *The Journal of Systems and Software*, 15(3):217–232, July 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Uckan:1986:OAP

[UH86] Yuksel Uckan and William D. Haseman. Optimal access path handling strategy in a database environment. *The Journal of Systems and Software*, 6(3):237–249, August 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Uchihira:1996:CAC

[UH96] Naoshi Uchihira and Shinichi Honiden. Compositional adjustment of concurrent programs to satisfy temporal logic constraints in MENDELS ZONE. *The Journal of Systems and Software*, 33 (3):207–221, June 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Urban:1994:DTO

[UhCLS94] Susan Darling Urban, Chiung hsun Chen Lai, and Sanjay Saxena. The design and translation of ORL: an object retrieval language. *The Journal of Systems and Software*, 24(2):187–206, February 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ulusoy:1995:STT

[Ulu95] Özgür Ulusoy. A study of two transaction processing architectures for distributed real-time database systems. *The Journal of Systems and Software*, 31(2): 97–108, November 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ulusoy:1997:ENA

[Ulu97] Özgür Ulusoy. An evaluation of network access protocols for distributed real-time database systems. *The Journal of Systems and Software*, 37(1):49–60, April 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ulusoy:1998:TPD

[Ulu98] Özgür Ulusoy. Transaction processing in distributed active real-time database systems. *The Journal of Systems and Software*, 42(3):247–262, September 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/42/3/6041.pdf`.

Ural:1990:SDS

[Ura90] Hasan Ural. Specifications of distributed systems in Prolog. *The Journal of Systems and Software*, 11(2):143–154, February 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Urban:1995:DCR

[UW95] Susan D. Urban and Anne M. Wang. The design of a constraint/rule language for an object-oriented data model. *The Journal of Systems and Software*, 28(3):203–224, March 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Varadharajan:1991:PNM

[Var91] Vijay Varadharajan. A Petri net model for system design and refinement. *The Journal of Systems and Software*, 15(3):239–250, July 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

vonMayrhauser:1993:IPS

[vAW93] A. von Mayrhauser, K. Archie, and N. Weber. Incremental parsing for software maintenance tools. *The Journal of Systems and Software*, 23(3):235–243, December 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Vaughn:1999:ICS

[VB99] Rayford B. Vaughn, Jr. and Julian E. Boggess III. Integration of computer security into the software engineering and computer science programs. *The Journal of Systems and Software*, 49(2–3):149–153, December 30, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/46/26/30/article.pdf; http://www.elsevier.nl/gej-ng/10/29/11/46/26/abstract.html`.

vonStaa:1980:DPF

[vC80] Arndt von Staa and Donald D. Cowan. Development proposal: the first step in software system construction. *The Journal of Systems and Software*, 1(2):107–122, February 1980. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Verner:1997:PDY

[VC97] J. M. Verner and N. Cerpa. Prototyping: Does your view of its advantages depend on your job? *The Journal of Systems and Software*, 36(1):3–16, January 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

vonMayrhauser:1993:SFA

[vD93] A. von Mayrhauser and Deepak Dube. Simple and fast approximations for generalized stochastic Petri nets. *The Journal of Systems and Software*, 21(2):163–177, May 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

vandenBerg:1994:ADQ

[vdBK94] C. A. van den Berg and M. L. Kersten. Analysis of a dynamic query optimization technique for multijoin queries. *The Journal of Systems and Software*, 27(3):233–241, December 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

vanEgmond:1989:IIS

[vEHvV89] S. van Egmond, F. C. Heeman, and J. C. van Vliet. INFORM: an interactive syntax-directed formulae editor. *The Journal of Systems and Software*, 9(3):169–182, March 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Velasco:1987:MTD

[Vel87] F. R. D. Velasco. Method for test data selection. *The Journal of Systems and Software*, 7(2):89–97, June 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Verkamo:1989:PCD

[Ver89] A. Inkeri Verkamo. Performance comparison of distributive and Mergesort as external sorting algorithms. *The Journal of Systems and Software*, 10(3):187–200, October 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Vlahavas:1989:MLC

[VH89] J. Vlahavas and C. Halatsis. *L*-machine: a low-cost personal sequential inference machine. *The Journal of Systems and Software*, 9(3):209–223, March 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Visaggio:1999:AMP

[Vis99a] Giuseppe Visaggio. Assessing the maintenance process through replicated, controlled experiments. *The Journal of Systems and Software*, 44(3):187–197, January 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/44/3/6084.pdf`.

Visaggio:1999:ARP

[Vis99b] Giuseppe Visaggio. Assessment of a renewal process experimented in the field. *The Journal of Systems and Software*, 45(1):3–17, February 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/45/1/6091.pdf`.

Vrbsky:1994:PAA

[VL94] Susan V. Vrbsky and Jane W. S. Liu. Producing approximate answers to set- and single-valued queries. *The Journal of Systems and Software*, 27(3):243–251, December 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Vlahavas:1998:EPP

[Vla98] I. Vlahavas. Exploiting and-or parallelism in Prolog: The OASys computational model and abstract architecture. *The Journal of Systems and Software*, 43(1):45–57, October 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/43/1/6049.pdf`.

Valett:1989:SSM

[VM89] Jon D. Valett and Frank E. McGarry. A summary of software measurement experiences in the Software Engineering Laboratory. *The Journal of Systems and Software*, 9(2):137–148, February 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Voas:1993:SMS

[VM93] Jeffrey M. Voas and Keith W. Miller. Semantic metrics for software testability. *The Journal of Systems and Software*, 20(3):207–216, March 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ventouris:1992:PAF

[VP92] K. P. Ventouris and P. E. Pintelas. A practical assessment of formal specification approaches for data abstractions. *The Journal of Systems and Software*, 17(2): 169–188, February 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Voas:1993:CCD

[VPM93] Jeffrey M. Voas, Jeffrey E. Payne, and Keith W. Miller. Controversy corner: Designing programs that are less likely to hide faults. *The Journal of Systems and Software*, 20(1):93–100, January 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

vanderPoel:1983:SMC

[vS83] Klaas G. van der Poel and Stephen R. Schach. Software metric for cost estimation and efficiency measurement in data processing system development. *The Journal of Systems and Software*, 3(3):187–191, September 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

vanSlooten:1996:CIS

[vS96] Kees van Slooten and Bram Schoonhoven. Contingent information systems development. *The Journal of Systems and Software*, 33(2):153–161, May 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Verner:1987:MSS

[VT87] June M. Verner and Graham Tate. Model for software sizing. *The Journal of Systems and Software*, 7(2):173–177, June 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Vrbsky:1998:STC

[VT98] S. V. Vrbsky and Saša Tomić. Satisfying timing constraints of real-time databases. *The Journal of Systems and Software*, 41 (1):63–73, April 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/41/1/6007.pdf`.

Vrbsky:1999:STC

[VT99] Susan V. Vrbsky and Sasa Tomic. Satisfying temporal consistency constraints of real-time databases. *The Journal of Systems and Software*, 45(1):45–60, February 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/45/1/6094.pdf`.

Veerasamy:1999:SCA

[VVS99] Jeyakesavan Veerasamy, S. Venkatesan, and Jay C. Shah. Spare capacity assignment in telecom networks using path restoration and further improvement using traffic splitting. *The Journal of Systems and Software*, 47

(1):27–33, May 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/47/1/6136.pdf`.

Walters:1991:RSA

[Wal91] Neal Walters. Requirements specification for Ada software under DoD-STD-2167A. *The Journal of Systems and Software*, 15(2):173–183, May 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Ward:1989:EBP

[War89] Paul T. Ward. Embedded behavior pattern languages: a contribution to a taxonomy of case languages. *The Journal of Systems and Software*, 9(2):109–128, February 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Wetzel:1989:PPP

[WB89] Gregory F. Wetzel and William G. Bulgren. Problems, problems, problems .... *The Journal of Systems and Software*, 9(4):297–303, May 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Whitty:1990:MEP

[WBR90] Robin Whitty, Martin Bush, and Meg Russell. METKIT and the ESPRIT program. *The Journal of Systems and Software*, 12(3):219–221, July 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Williford:1999:MFI

[WC99] Judson Williford and Andrew Chang. Modeling the FedEx IT division: a system dynamics approach to strategic IT planning. *The Journal of Systems and Software*, 46(2–3):203–211, April 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/46/2-3/6128.pdf`.

Wilde:1998:RES

[WCV+98] Norman Wilde, Christopher Casey, Joe Vandeville, Gary Trio, and Dick Hotz. Reverse engineering of software threads: a design recovery technique for large multi-process systems. *The Journal of Systems and Software*, 43(1):11–17, October 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/43/1/6046.pdf`.

Wartik:1999:PRA

[WD99] Steven Wartik and Ted Davis. A phased reuse adoption model. *The Journal of Systems and Software*, 46(1):13–23, April 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/46/1/6112.pdf`.

Wood:1999:MMR

[WDMR99] Murray Wood, John Daly, James Miller, and Marc Roper. Multi-method research: an empirical investigation of object-oriented technology. *The Journal of Systems and Software*, 48(1): 13–26, August 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/37/17/19/abstract.html; http://www.elsevier.nl/gej-ng/10/29/11/37/17/19/article.pdf`.

Weiss:1979:ESD

[Wei79] David M. Weiss. Evaluating software development by error analysis: The data from the Architecture Research Facility. *The Journal of Systems and Software*, 1(1):57–70, ???? 1979. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Weyuker:1999:ETI

[Wey99] Elaine J. Weyuker. Evaluation techniques for improving the quality of very large software systems in a cost-effective way. *The Journal of Systems and Software*, 47(2–3):97–103, July 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/47/2-3/6144.pdf`.

Wu:1996:DMH

[WFZ96] Jie Wu, Eduardo B. Fernandez, and Manxia Zhang. Design and modeling of hybrid fault-tolerant software with cost constraints. *The Journal of Systems and Software*, 35(2):141–149, November 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Werner:1991:IAD

[WH91a] Linda L. Werner and William E. Howden. An investigation of the applicability of data usage analysis. *The Journal of Systems and Software*, 15(3):205–215, July 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Wilde:1991:RTS

[WH91b] Norman Wilde and Ross Huitt. A reusable toolset for software dependency analysis. *The Journal of Systems and Software*, 14 (2):97–102, February 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Welzel:1997:PCS

[WH97] Dieter Welzel and Hans-Ludwig Hausen. Practical concurrent software evaluation for certification. *The Journal of Systems and Software*, 38(1):71–83, July 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Walczuch:1999:UIP

[WH99] Nikolaus Walczuch and Herbert Hoeger. Using individual prefixes in B^+-trees. *The Journal of Systems and Software*, 47

(1):45–51, May 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/47/1/6138.pdf`.

Whale:1990:SMP

[Wha90] Geoff Whale. Software metrics and plagiarism detection. *The Journal of Systems and Software*, 13(2):131–138, October 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Wheeler:1981:ESD

[Whe81] Thomas J. Wheeler. Embedded system design with Ada as the system design language. *The Journal of Systems and Software*, 2(1):11–21, February 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Wang:1989:GOP

[WHL89] H. S. Wang, S. R. Hsu, and J. C. Lin. A generalized optimal path-selection model for structural program testing. *The Journal of Systems and Software*, 10(1):55–63, July 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Wong:1999:TSS

[WHMP99] W. Eric Wong, Joseph R. Horgan, Aditya P. Mathur, and Alberto Pasquini. Test set size minimization and fault detection effectiveness: a case study in a space application. *The Journal of Systems and Software*, 48(2):79–89, October 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/37/23/18/article.pdf`; `http://www.elsevier.nl/gej-ng/10/29/11/37/23/abstract.html`.

Wick:1992:ESE

[Wic92] Michael R. Wick. Expert system explanation in retrospect: a case study in the evolution of expert system explanation. *The Journal of Systems and Software*, 19 (2):159–169, October 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Williams:1989:CSM

[Wil89] Lloyd G. Williams. Comparative software methods: Introduction. *The Journal of Systems and Software*, 9(2):79–80, February 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Wang:1999:DAM

[WJ99] Shiuh-Jeng Wang and Jinn-Ke Jan. A displacement addressing method for letter-oriented keys. *The Journal of Systems and Software*, 46(1):77–88, April 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/46/1/6116.pdf`.

Wiens:1988:EML

[WK88] Roger Wiens and Mohammad A. Ketabchi. An efficient method lookup technique for secondary storage object-oriented systems. *The Journal of Systems and Software*, 8(4):275–282, September 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Wilson:1994:AAA

[WKM94] Paul R. Wilson, Sheetal V. Kakkad, and Shubhendu S. Mukherjee. Anomalies and adaptation in the analysis and development of prepaging policies. *The Journal of Systems and Software*, 27(2):147–153, November 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Wernick:1999:SPW

[WL99] P. Wernick and M. M. Lehman. Software process white box modelling for FEAST/1. *The Journal of Systems and Software*, 46(2–3):193–201, April 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/46/2-3/6127.pdf`.

Wang:1995:IEP

[WLC95] Hsiao-Hsi Wang, Pei-Ku Lu, and Ruei-Chuan Chang. An implementation of an external pager interface on BSD UNIX. *The Journal of Systems and Software*, 29(2):177–189, May 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Wilkening:1995:RAS

[WLPL95] Daniel E. Wilkening, Joseph P. Loyall, Marc J. Pitarys, and Kenneth Littlejohn. A reuse approach to software reengineering. *The Journal of Systems and Software*, 30(1–2):117–125, July/August 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lam:1997:OCC

[wLyLlH97] Kwok wa Lam, Kam yiu Lam, and Sheung lun Hung. Optimistic concurrency control protocol for real-time databases. *The Journal of Systems and Software*, 38(2):119–131, August 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Wernhart:1990:HEB

[WM90] Heidemarie Wernhart and Roland Mittermeir. The HIBOL-2 environment: a basis for visual programming of business objects. *The Journal of Systems and Software*, 12(2):157–165, May 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Wong:1995:RCM

[WM95] W. Eric Wong and Aditya P. Mathur. Reducing the cost of mutation testing: an empirical study. *The Journal of Systems and Software*, 31(3):185–196, December 1995. CODEN JSSODM.

ISSN 0164-1212 (print), 1873-1228 (electronic).

Wong:1996:NTA

[WM96] Johnny S. K. Wong and Soma Mitra. A nonblocking timed atomic commit protocol for distributed real-time database systems. *The Journal of Systems and Software*, 34(2):161–170, August 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Wong:1999:IMA

[WM99] Johnny S. K. Wong and Armin R. Mikler. Intelligent mobile agents in large distributed autonomous cooperative systems. *The Journal of Systems and Software*, 47(2–3):75–87, July 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1999/47/2-3/6142.pdf`.

Woodside:1986:SMP

[WNHM86] C. M. Woodside, E. Neron, E. D.-S. Ho, and B. Mondoux. 'active server' model for the performance of parallel programs written using rendezvous. *The Journal of Systems and Software*, 6(1–2):125–131, May 1986. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Warren:1996:EES

[WNSC96] James R. Warren, A. F. Norcio, Jack W. Stott, and G. C. Canfield. Experimental evaluation of a simulation environment for information systems design. *The Journal of Systems and Software*, 32(1):3–20, January 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Wong:1993:DCP

[Won93] Kam-Fai Wong. Design considerations of a parallel recovery scheme for the EDS data base server. *The Journal of Systems and Software*, 21(1):41–48, April 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Woodside:1980:MME

[Woo80] C. M. Woodside. A mathematical model for the evolution of software. *The Journal of Systems and Software*, 1(4):337–345, ???? 1980. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Wohlin:1999:SIR

[WR99] Claes Wohlin and Björn Regnell. Strategies for industrial relevance in software engineering education. *The Journal of Systems and Software*, 49(2–3):125–134, December 30, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/46/26/27/article.pdf`; `http://www.elsevier.nl/gej-ng/10/29/11/46/26/abstract.html`.

Wessale:1993:LPE

[WRW93] W. Wessale, D. Reifer, and D. Weller. Large project experiences with object-oriented methods and reuse. *The Journal of Systems and Software*, 23(2): 151–161, November 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Woodfield:1981:SSM

[WSD81] S. N. Woodfield, V. Y. Shen, and H. E. Dunsmore. Study of several metrics for programming effort. *The Journal of Systems and Software*, 2(2):97–103, June 1981. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Welch:1995:RCB

[WSM+95] Lonnie R. Welch, Antonio L. Samuel, Michael W. Masters, Robert D. Harrison, Mark Wilson, and Joe Caruso. Reengineering computer-based systems for enhanced concurrency and layering. *The Journal of Systems and Software*, 30(1–2):45–70, July/ August 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Warren:1992:SSI

[WSN92] James R. Warren, Jack W. Stott, and A. F. Norcio. Stochastic simulation of information systems designs from data flow diagrams. *The Journal of Systems and Software*, 18(2):191–199, May 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Wileden:1983:BSS

[WSR+83] Jack C. Wileden, John H. Sayler, William E. Riddle, Alan R. Segal, and Allan M. Stavely. Behavior specification in a software design system. *The Journal of Systems and Software*, 3(2):123–135, June 1983. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Wilde:1989:MAW

[WT89] Norman Wilde and Stephen M. Thebaut. The maintenance assistant: Work in progress. *The Journal of Systems and Software*, 9(1):3–17, January 1989. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Wong:1995:FTA

[WTS95] Johnny Wong, Priyamvadha Thambu, and Rick Stoen. A fault-tolerant algorithm for mutual exclusion in a distributed system. *The Journal of Systems and Software*, 29(2):121–134, May 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). See critical analysis [JM96].

Wang:1997:CAS

[WWC97] Yi-Min Wang, Hsiao-Hsi Wang, and Ruei-Chuan Chang. Clustered affinity scheduling on large-scale NUMA multiprocessors. *The Journal of Systems and Software*, 39(1):61–70, October 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Wang:1998:CAC

[WWC98] Yi-Min Wang, Hsiao-Hsi Wang, and Ruei-Chuan Chang. Classifying and alleviating the communication overheads in matrix computations on large-scale NUMA multiprocessors. *The Journal of Systems and Software*, 44(1):17–29, December 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/44/1/6068.pdf`.

Wu:1994:UAS

[WWF94] J. Wu, Y. Wang, and E. B. Fernandez. A uniform approach to software and hardware fault tolerance. *The Journal of Systems and Software*, 26(2):117–127, August 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Xie:1998:SSS

[XH98] M. Xie and G. Y. Hong. A study of the sensitivity of software release time. *The Journal of Systems and Software*, 44(2):163–168, December 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/44/2/6081.pdf`.

Xie:1999:SRP

[XHW99] M. Xie, G. Y. Hong, and C. Wohlin. Software reliability prediction incorporating information from a similar project. *The Journal of Systems and Software*, 49(1):43–48, December 15, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/46/25/29/article.pdf`; `http://www.elsevier.nl/gej-ng/10/29/11/46/25/abstract.html`.

Yang:1994:HMP

[Yan94] Wuu Yang. How to merge program texts. *The Journal of Systems and Software*, 27(2):129–135, November 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Yung-Chen:1992:LCS

[YCGH92] Hung Yung-Chen and Chen Gen-Huey. A layered communication system generator. *The Journal of Systems and Software*, 18(2):157–170, May 1992. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Yuen:1996:BSL

[YFY96] C. K. Yuen, M. D. Feng, and J. J. Yee. BaLinda suite of languages and implementations. *The Journal of Systems and Software*, 32(3):251–267, March 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Lam:1998:GEC

[yL98] Kam yiu Lam. Guest Editor's corner. real-time active databases: Theory and practice. *The Journal of Systems and Software*, 42(3):189–191, September 1998. CODEN JSSODM.

ISSN 0164-1212 (print), 1873-1228 (electronic).

Lam:1998:USC

[yLcY98] Kam yiu Lam and Wai cheong Yau. On using similarity for concurrency control in real-time database systems. *The Journal of Systems and Software*, 43(3): 223–232, November 1, 1998. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.com/cas/tree/store/jss/sub/1998/43/3/6063.pdf`.

Yellen:1991:IWN

[YN91] Richard E. Yellen and Jay F. Nunamaker. Increasing the willingness of novices to use computer application software. *The Journal of Systems and Software*, 15(3):279–285, July 1991. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Yu:1988:SIS

[YNDS88] T. J. Yu, B. A. Nejmeh, H. E. Dunsmore, and V. Y. Shen. Smdc: an interactive software metrics data collection and analysis system. *The Journal of Systems and Software*, 8(1):39–46, January 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Yong:1994:CRR

[YP94] Deng Yong and E. K. Park. Checkpointing and rollback-recovery algorithms in distributed systems. *The Journal of Systems and Software*, 25(1): 59–71, April 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Yau:1980:ATD

[YRN80] Stephen S. Yau, John L. Ramey, and Robin A. Nicholl. Assertion techniques for dynamic monitoring of linear list data structures. *The Journal of Systems and Software*, 1(4):319–336, ???? 1980. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Yuasa:1990:RTG

[Yua90] Taiichi Yuasa. Real-time garbage collection on general-purpose machines. *The Journal of Systems and Software*, 11(3):181–198, March 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Yee:1993:TBE

[YY93] Jenn-Jong Yee and Chung-Kwong Yuen. Transputer-based emulation of a data-driven LISP machine: BIDDLE. *The Journal of Systems and Software*, 23 (1):51–63, October 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Zelkowitz:1997:AIT

[ZC97] Marvin Zelkowitz and Barbara Cuthill. Application of an information technology model to software engineering environments. *The Journal of Systems and Software*, 37(1):27–40, April 1997. CODEN JSSODM. ISSN 0164-

1212 (print), 1873-1228 (electronic).

Zhang:1996:DMR

[ZCd96] Lichen Zhang and B. Chaibdraa. A design methodology for real-time systems to be implemented on multiprocessor machines. *The Journal of Systems and Software*, 33(1):37–56, April 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Zaki:1988:ARM

[ZEB88] M. Zaki and M. M. El-Boraey. Analysis of reliability models for interconnecting MIMD systems. *The Journal of Systems and Software*, 8(2):133–144, March 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Zeil:1988:CET

[Zei88] Steven J. Zeil. Complexity of the equate testing strategy. *The Journal of Systems and Software*, 8(2):91–104, March 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Zelkowitz:1988:RUD

[Zel88] Marvin V. Zelkowitz. Resource utilization during software development. *The Journal of Systems and Software*, 8(4):331–336, September 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Zelkowitz:1996:MSE

[Zel96] Marvin V. Zelkowitz. Modeling software engineering environment capabilities. *The Journal of Systems and Software*, 35(1): 3–14, October 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Zaki:1993:DID

[ZENA93] M. Zaki, M. Y. El-Nahas, and H. A. Allam. DPDP: An interactive debugger for parallel and distributed processing. *The Journal of Systems and Software*, 22(1):45–61, July 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Zhou:1997:FTS

[ZG97] Wanlei Zhou and Andrzej Goscinski. Fault-tolerant servers for the RHODOS system. *The Journal of Systems and Software*, 37(3):201–214, June 1997. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Zhou:1993:DID

[Zho93] Wanlei Zhou. The design and implementation of a distributed program monitor. *The Journal of Systems and Software*, 22(1): 63–77, July 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Zhou:1994:RPS

[Zho94] Wanlei Zhou. A rapid prototyping system for distributed information system applications. *The Journal of Systems and Software*,

24(1):3–29, January 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Zimmerman:1984:PMT

[Zim84] Rodney P. Zimmerman. Phases, methods, and tools: a triad of system development. *The Journal of Systems and Software*, 4 (2–3):207–218, July 1984. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Zaki:1985:MPD

[ZK85] M. Zaki and S. Koriem. A model for the protocol design of back-end storage networks. *The Journal of Systems and Software*, 5(4):249–265, November 1985. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Zhu:1996:HPB

[ZLZ+96] Jiang Zhu, T. G. Lewis, Lihua Zhao, Weldon Jackson, and Russel L. Wilson. HaRTS: Performance-based design of distributed hard real-time software. *The Journal of Systems and Software*, 32(2):143–156, February 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Zhou:1996:SMR

[ZM96] Wanlei Zhou and Brian Molinari. A system for managing remote procedure call transactions. *The Journal of Systems and Software*, 34(2):133–149, August 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Zaki:1999:TPS

[ZMAER99] M. Zaki, Y. B. Mahdy, S. A. Ali, and K. F. El-Reefy. Two practical systems for classification of three-dimensional objects. *The Journal of Systems and Software*, 48(1):59–71, August 1, 1999. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). URL `http://www.elsevier.nl/gej-ng/10/29/11/37/17/22/abstract.html`; `http://www.elsevier.nl/gej-ng/10/29/11/37/17/22/article.pdf`.

Zhao:1987:SIH

[ZR87] Wei Zhao and Krithi Ramamritham. Simple and integrated heuristic algorithms for scheduling tasks with time and resource constraints. *The Journal of Systems and Software*, 7(3):195–205, September 1987. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Zhou:1994:VFD

[ZR94] H. B. Zhou and L. Richter. Very fast distributed spreadsheet computing. *The Journal of Systems and Software*, 25(2):185–192, May 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Zaki:1988:LVI

[ZS88] M. Zaki and R. Salama. Linkage versus integration for binding

data base and interactive graphics systems. *The Journal of Systems and Software*, 8(5):361–372, December 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Zand:1995:GEC

[ZS95] Mansour Zand and Mansur Samadzadeh. Guest Editors' corner: Software reuse: Current status and trends. *The Journal of Systems and Software*, 30(3): 167–170, September 1995. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Zand:1993:ILR

[ZSGS93] M. K. Zand, H. Saiedian, K. M. George, and M. H. Samadzadeh. An interconnection language for reuse at the template/module level. *The Journal of Systems and Software*, 23(1):9–26, October 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Zucconi:1990:CCDb

[Zuc90a] Lin Zucconi. Controversy corner: a debate, Zucconi vs. Reifer: Response to "Is Asia Really a Threat?". *The Journal of Systems and Software*, 12(1): 77, April 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). See also [Zuc90b, Rei90b].

Zucconi:1990:CCDa

[Zuc90b] Lin Zucconi. Controversy corner: a debate, Zucconi vs. Reifer: U.S. technology: We're losing the edge in software. *The Journal of Systems and Software*, 12(1): 71–74, April 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic). See also [Zuc90a, Rei90b].

Zviran:1993:CMC

[Zvi93] Moshe Zviran. A comprehensive methodology for computer family selection. *The Journal of Systems and Software*, 22(1): 17–26, July 1993. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Zweben:1990:RSS

[Zwe90] Stuart H. Zweben. On the resolution of the software science anomaly. *The Journal of Systems and Software*, 12(2):167–170, May 1990. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Zupancic:1996:GEC

[ZWM96] Jože Zupančič, Stanisław Wrycza, and Ali Mili. Guest Editors' corner. *The Journal of Systems and Software*, 33(2):111–112, May 1996. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Zhuang:1994:DAS

[ZX94] W. J. Zhuang and M. Xie. Design and analysis of some fault-tolerance configurations based on a multipath principle. *The Journal of Systems and Software*, 25 (1):101–108, April 1994. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).

Zhou:1988:OML

[ZZ88] Songnian Zhou and Roberto Zicari. Object management in local distributed systems. *The Journal of Systems and Software*, 8(4): 283–295, September 1988. CODEN JSSODM. ISSN 0164-1212 (print), 1873-1228 (electronic).