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03 February 2024
Version 1.07

Title word cross-reference

$N$ [Bri91c].

-Body [Bri91c].

1971 [FGR71]. 1977 [Whi78].

2000 [Smi01].

3003 [BH66]. 365 [Bri00, Le600].

4000 [BK66, Bri67a, Bri67b, Bri69a, Bri69b, Bri69c, Bri96s, Bri01c, Bri02i].

5000 [Oli01].
6 [SS01].

701 [Ryc01].

8.50 [Bri77b].

academic [Bri77b]. Access [Fra01]. Achievements [Pin02]. Ada [BBG+81]. Address [Bri79b, Bri96g]. Akyildiz [Pin02]. Algorithm [Bri95d]. All-Pairs [Bri90a, Bri95a]. Amendment [Ber98]. Amoeba [TRS+01]. Analysis [Bri71a, Bri89a]. Annealing [Bri92g]. Arbitrary [Reg84]. Architecture [Bri77a, Pin02, Whi78]. Architectures [Bri78b, Bri78c]. Arrays [Bri99h]. Atlas [KPH01]. August [BS76, FGR71]. Author [Le600, Bri79a]. Automata [Bri92d, Bri93d, Bri96p]. Award [Pin02, Pin02].


C [Bri00, Le600]. Call [SP01]. Calls [Bri02f]. Capacity [Lyn01]. Carlo [Bri92e]. Cellular [Bri92d, Bri93d, Bri96a]. Center [Lyn01]. Choice [Bri99e, Bri99f]. Classes [Bri73c, Bri76e, Bri96v, Bri96x, Bri99a, Bri01e, Bri02j, Bri02l]. Classic [Bri01a]. COBOL [BH66]. Collection [Pin02]. Comments [Bri73b, CHP72]. Communicating [Hoa02a]. Comparison [Bri72a, Bri73b, BH79, CHP72]. Compilation [BBG+81k]. Compile [Bri76a]. Compiler [BH66]. Compilers [Bri85a]. complete [Bri69c]. Computational [Bri92d, Bri93b, Bri93d, Bri96h, Bri96p, Van95]. Computer [BK66, Bri82, Pin02, RDH+01, Ryc01, SS01, Bri67a, Bri69a, Pin02]. Computers [Bri85b, Bri83]. Computing [Bri96z, Bri02n, Lyn01, Bri94e]. Concept [Bri78a, Bri96c, Bri02b, Hoa02b]. Concepts [Bri72a, Bri73a, Bri73b, CHP72]. Concerns [Off98]. Concurrency [Bri00, Le600]. Concurrent [Bri73a, Bri77a, Bri77d, Bri78a, Bri78b, Bri79b, Bri96c, Bri96e, Bri96g]. Bri92b, Bri02d, Bri02f, Whi78, Bri78c, Bri75c, Bri75a, Bri75b, Bri75d, Bri76c, Bri93c, Bri96i, Bri96j, Bri96r, Bri96w, Bri01d, Bri02h, Bri02k]. Congress [FGR71]. Conjugate [Bri98a]. Connection [Pin02, BMR01]. Conquer [Bri91d]. Considerations [BK66]. Control [Bri67b, Bri96s, Bri94b]. Cooperating [Dij02a]. correction [Bri79a]. Correspondence [Bri99l]. Course [Bri96o, Bri02g, Bri72b]. courses [Bri83].
D [Bri77b]. Declarations [BBG+81b]. Defense [BBG+81l]. Department [BBG+81l]. Dependent [BBG+81m]. Description [Lyn91]. Design [BK66, Bri74, Bri77c, Bri96a, Bri96b, Bri02a, Lis01, SP01, Bri81a].

Designers [VBM+02]. Digital [Pin02]. Disc [Fra01]. Disc-Based [Fra01].

Disk [Bri76a]. Distributed [Bri76a, Bri87a, Bri96c, Bri96f, Bri96i, Bri96q, SMB01, TRS+01].

Divide [Bri91a]. Division [Bri92b, Bri94c, Bri95d, Reg84]. Do [Bri91a, Bri94a]. Document [BBG+81l]. Dog [Bri76b, Bri96q].

Edison [Bri81a, Bri81b, Bri81c, Bri96a]. edited [Bri77b]. Editor [Bri98d, Bri00]. Editorial [Bri81d]. Efficient [Bri95c, Bri96d, Bri02c, Bri00, Le600, RDLG99]. Egdon [BHJV01].


Experimental [CMDD01, SS01]. Expressions [BBG+81l].

F [Bri00, Le600, Pin02]. Fast [Lyn91, Bri93a]. Faster [Bri91a, Bri94a]. Features [BBG+81m]. File [DN01, Fra01, SMB01]. Files [Bri99m]. Filing [SS01]. Folding [Bri90b]. Fortran [Bri98b, Off98]. Foundations [FGR71]. Fourier [Bri93a]. Front [BBG+81d].

Garca [Bri00, Le600]. General [DN01, Ryc01]. General-Purpose [DN01]. Generic [BBG+81c, Bri91b]. Goode [Pin02]. gradient [Bri98a]. Guest [Bri81d].

H [Bri77b]. Hall [Whi78]. Handbook [Bri85b]. Hansen [Ber98, Whi78, CHP72, Hor07, Kru97, LH03, Off98, Pin02, Van95]. held [BS76]. Hennessy [Pin02]. Hierarchical [Dij02b]. hierarchies [BS76]. High [Lyn91, Bri98b, Off98]. History [BG96, Bri96i, Bri96c, Bri96j]. Honors [Pin02]. Householder [Bri90c, Bri92a]. Huxtable [Bri97b]. Hypercubes [Bri91a, Bri94a].

Ian [Pin02]. IBM [Bri85b, Ryc01]. IEEE [Pin02]. IFIP [FGR71]. II [BG96]. Implementation [BBG+81m, BS78, Bri87b, Bri88, Bri89c, Bri96k]. Information [FGR71]. Input [BBG+81f, SS01]. Input-Output [BBG+81f]. Input/Output [SS01]. Insecure [Bri99l, Bri99b]. Integer [Reg84]. Integrity [Fra01]. Interface [Bri76d, SIKH01, Bri98c]. interfaces [BS76]. Interference [Bri94b]. international [BS76]. Introduction [BBG+81g]. Invention [Bri92d]. Issues [BBG+81k].
Java [Bri99b, Bri99f, Bri99l]. **Job** [Bri76d]. **Journals** [Nau75]. **Joyce** [Bri87b, Bri87a, BA88, Bri88, Bri89b, Bri89c, Bri96f, Bri96k, Bri02e]. **July** [BS76].

**KDF9** [BHJV01]. **Keynote** [Bri79b, Bri96g].

**L** [Bri00, Leö00]. **Laboratories** [Ryc01]. **Language** [BBG+81l, Bri69a, Marktoberdorf [BS76]]. **Matrices** [Bri99c]. **Matter** [BBG+81a, BBG+81d]. **McKeag** [Bri77b]. **Mechanism** [SP01]. **Mergesort** [Bri89a]. **message** [Bri00, Leö00, RDLG99, Bri98c]. **Message-Passing** [Bri98c]. **Methodology** [Bri74, Bri93b, Bri96h, Bri00, Leö00, RDLG99]. **Methods** [Bri99d]. **Microcomputer** [BH79]. **Mills** [Bri95d, Pin02]. **Minefield** [Bri92b, Bri94c]. **Model** [Bri92d, Bri93b, Bri93d, Bri96b, Bri96p]. **Modular** [Bri77d, Bri96e]. **Monitors** [Bri76c, Bri93c, Bri96i, Bri96j, Bri96t, Bri96x, Bri02d, Hoa02b, Bri78e]. **Monte** [Bri92e]. **Motors** [Ryc01]. **Multi** [Fra01]. **Multi-Access** [Fra01]. **Multicomputers** [Bri93b, Bri96h]. **Multiple** [Bri92b, Bri94c, Bri99c]. **Multiple-Length** [Bri92b, Bri94c]. **Multiplication** [Bri91b]. **Multiprecision** [Reg84]. **Multiprocessor** [Bri78b, Bri78c, Bri78d, BA88, Bri88, Bri98c, Bri96k, Bri96m, Bri81b]. **Multiprogramming** [Bri96b, Bri96c, Bri970, Bri72d, Bri73d, Bri96n, Bri96y, Bri96-27, Bri01c, Bri02i, Bri02m, Dij01, Dij02c, Bri71b, Bri72c]. **Mutual** [BS78].

**Named** [Pin02]. **Names** [BBG+81l]. **Nature** [Bri90e, Bri96l, Bri89d]. **Network** [Bri96m, Bri78d]. **Newcastle** [BMR01]. **News** [Van95]. **No** [VBM+02, Bri77b]. **Nook** [Kru97]. **Nucleus** [Bri70, Bri96a]. **Numerical** [Bri92c].

**Obituary** [Hor07]. **Open** [LS01]. **Operating** [Bri74, Bri76c, Bri76d, Bri76e, BF80, Bri96o, Bri96w, Bri96x, Bri01a, Bri01b, Bri01d, Bri01e, Bri02g, Bri02k, Bri02l, Hoa02b, LS01, Lau01, Lis01, Oli01, RDH+01, SS01, TRS+01, Bri72b, Bri77b, Bri83]. **Ordering** [Dij02b]. **Origin** [Bri02b]. **Outline** [Bri96o, Bri96g, Bri72b]. **Output** [BBG+81f, SS01]. **Overview** [SIKH01].
Packages [BBG+81j]. pages [Bri77b]. Pairs [Bri90a, Bri95a]. Paradigms [Van95]. Parallel [Ber98, Bri89a, Bri90e, Bri91d, Bri92d, Bri93d, Bri95c, Bri96d, Bri96l, Bri96p, Bri96z, Bri96u, Bri97, Bri02c, Bri02n, Hoa02c, Kru97, Van95, Bri89d, Bri94b, Bri94e]. Parallelism [Bri99l, RDGL99, Bri99b, Bri00, Leś00]. PASCAL [Bri75c, Bri75a, Bri75b, Bri75d, Bri85a, Bri85b, Bri93c, Bri96i, Bri96j, Bri96r, Bri96w, Bri01d, Bri02h, Bri02k]. passing [Bri00, Leś00, RDGL99, Bri98c]. Past [VBM+02]. People [VBM+02]. Performance [BA88, Bri98b, Off98]. Personal [Bri92, Bri95i, Bri96i, RDH+01, Bri83, Bri93c, Bri96j]. Philco [Smi01]. Philco-2000 [Smi01]. Pilot [RDH+01]. Pioneering [Pin02]. Pipeline [Bri90a, Bri90b, Bri91c, Bri91b, Bri95a, Bri95b]. Practice [Bri00, Leś00, LMW79]. Prentice [Whi78]. Prentice-Hall [Whi78]. President [Pin02]. press [Bri77b]. price [Bri77b]. Primality [Bri92f]. Principles [Bri77c, Bri96b, Bri96o, Bri02a, Bri02g, Bri72b]. Procedure [Bri02f, SP01]. Proceedings [FGR71]. Processes [Bri96c, Bri96x, Bri96q, Bri02a, Bri02g, Bri72b]. Processing [Bri01a, FGR71]. Program [BBG+81e, BBG+81k, Bri76c, Bri78d, Bri92d, Bri93d, Bri96m, Bri96o, Bri96p, Bri96w, Bri01d, Bri02k]. Programmer [Bri76b, Bri96q, Bri04]. Programming [BBG+81l, Bri73a, Bri74, Bri77d, Bri78a, Bri79b, Bri82, Bri87a, Bri90c, Bri93b, Bri94d, Bri96c, Bri96e, Bri96f, Bri96g, Bri96h, Bri96l, Bri96r, Bri96u, Bri97, Bri99f, Bri02b, Bri02d, Bri02e, Bri02f, Bri02h, Hoa02c, Kru97, LMW79, Van95, BC96, Bri75a, Bri75b, Bri97d, Bri98c, Bri99d]. Programs [Bri77a, Bri78b, Bri81c, Bri93b, Bri96b, Bri99j, Bri97c, Whi78]. Proposed [BBG+81l]. Publication [Bri96z, Bri02n, Bri94e]. Pulawy [Bri67b, Bri96s]. Purpose [DN01, Bri75c].

R [Bri77b]. Radix [Reg84]. Ratio [Bri71a]. RC [BK66, Bri67a, Bri67b, Bri69a, Bri69b, Bri69c, Bri96s, Bri01c, Bri02i]. RC-4000 [Bri96a]. Real [Bri67b, Bri96s]. Real-Time [Bri67b, Bri96s]. Receives [Pin02]. Recognized [Pin02]. Recognizes [Pin02]. Recursion [Bri95c, Bri96d, Bri99g, Bri02c, Bri00, Leś00, RDGL99]. Rediscovered [Bri90d]. Reduction [Bri92a, Bri90c]. Reference [BBG+81l, Bri69a]. Reliable [SP01]. Remote [Bri02f, SP01]. Repetition [Bri99k, Bri99n]. Reply [Bri73b]. Report [Bri89b]. Representation [BBG+81n]. Reproducible [Bri78e, Bri96t]. Research [Ryc01]. Response [Bri71a, Leś00]. Review [Ber98, Bri77b, Bri97, Whi78]. Reviews [Van95, Whi78]. Revisited [Bri92b, Bri94c, DF89]. Rodríguez [Bri00]. Rules [BBG+81l].

Sande [Bri00, Leś00]. Scheduling [Bri71a, Bri76a, Bri71b, Bri72c]. school [BS76]. Science [Bri92d, Bri93b, Bri93d, Bri96h, Bri96p, Van95]. Scientific [Bri96z, Bri02n, Bri94e]. Search [Ber98, Bri90d, Bri96u, Bri97, DF89, Kru97].
Secondary [DN01]. Semaphore [Lau01]. Semaphores [Bri02f]. Sequential [Dij02a, Dij02b, Hoa02a]. Shared [Bri73c, Bri96v, Bri02j, SMB01]. Sharing [CMDD01, RT01]. Short [Bri71b, Bri72c]. Short-term [Bri71b, Bri72c]. Siemens [BH66]. Simple [Bri99h, Bri99i, Bri99j, Bri99k, SMB01]. Simplicity [Ber98, Bri96u, Bri97, Kru97]. Simulated [Bri92g]. Single [LS01]. Single-User [LS01]. Small [SS01]. Society [Pin02]. Software [Bri69b, Bri69c, Bri95e, Bri95f, Bri01c, Bri02i, Pin02, VBM02]. Solo [Bri76c, Bri76d, Bri76e, Bri96w, Bri96x, Bri01d, Bri01e, Bri02k, Bri02l]. Solution [Bri92c, Bri98a]. Sort [Bri91a, Bri94a]. Specification [BS78]. Specifications [BBG+81m]. Standard [BBG+81l]. Stanford [Pin02]. Star [SIKH01]. Statements [BBG+81a]. States [BBG+81l]. Storage [DN01]. Story [Bri04]. Strategies [VBM+02]. Structure [BBG+81k, Dij01, Dij02c, Bri67a]. Structured [Bri72d, Bri96y, Bri02m, LMW79, Bri94b]. Structuring [Hoa02b]. Studies [Van95, Bri77b]. Subprograms [BBG+81o]. Summer [BS76]. SuperPascal [Bri94b, Bri94d, Bri94e, Bri95e, Bri95f, Bri96z, Bri02n]. Supervisor [KPH01]. Synchronizing [Bri72a, Bri73b, CHP72]. Synthesis [Dij02d]. System [Bri67b, Bri69b, Bri69c, Bri70, Bri73d, Bri74, Bri76c, Bri76d, Bri76e, BF80, Bri96n, Bri96o, Bri96s, Bri96w, Bri96x, Bri96-27, Bri91c, Bri01d, Bri01e, Bri02g, Bri02i, Bri02k, Bri02l, BHJV01, CMDD01, DN01, Dij01, Dij02c, Fra01, Hoa02b, LS01, Lau01, Lis01, Oli01, RDH+01, RT01, Smi01, SS01, SMB01, TRS+01, VBM+02, Bri72b, Bri83]. Systems [Bri87a, Bri96f, Bri01a, Bri01b, Bri02e, FGR71, Bri71b, Bri72c, Bri77b].

Tasks [BBG+81p]. Technical [Bri99]. term [Bri71b, Bri72c]. Testing [Bri73d, Bri92f, Bri96t, Bri96-27, Bri78e]. Text [Bri99m]. Theory [Hoa02c, LMW79]. Time [Bri67b, Bri76a, CMDD01, RT01, Bri96s]. Time-Sharing [CMDD01, RT01]. Tour [Bri92b, Bri94c]. Transform [Bri93a]. Treasure [VBM+02]. Tree [Bri91a, Bri94a]. Trials [Bri92e]. Trio [BF80]. Turnaround [Lyn01]. Two [Bri72a, Bri73b, CHP72]. Types [BBG+81b, Bri75d].


Venus [Lis01]. Vest [VBM+02]. Visibility [BBG+81q]. Volume [FGR71].

WFS [SMB01]. Wilson [Bri77b]. Winner [Pin02]. Witt [Bri95d]. Works [Pin02]. World [BMR01].

Young [Bri76b, Bri96q]. Yugoslavia [FGR71].
References


REFERENCES


REFERENCES


REFERENCES


[Brauer:1981:T] Wilfried Brauer, Per Brinch Hansen, David Gries, C. Moler, Ger-
com/chapter/10.1007/3-540-10693-6_9.

com/chapter/10.1007/3-540-10693-6_8.

ACM SIGPLAN Notices, 33(3):36, March 1998. CODEN SIN-
ODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (elec-
tronic).

[BrinchHansen:1980:TOS] Per Brinch Hansen and Jon Fellows. The Trio operating sys-
tem. Software—Practice and Experience, 10(11):943–948, November
1980. CODEN SPEXBL. ISSN 0038-0644 (print), 1097-024X (elec-
tronic).

gramming languages: II. ACM Press, New York, NY 10036, USA,
1996.
REFERENCES

[BrinchHansen:1966:CCS]

[BrinchHansen:1979:MC]

[Burns:2001:ESK]

[BrinchHansen:1966:DCR]

[Brownbridge:2001:NCU]
REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

41), School of Computer and Information Science, Syracuse University, Syracuse, NY, USA, December 1990. iii + 10 pp. URL https://surface.syr.edu/eecs_techreports/76/.


[Bri91c] Per Brinch Hansen. The N-body pipeline. Electrical Engineering and Computer Science Technical Report 120 (SU-CIS-91-09), School of Computer and Information Science, Syracuse University,
REFERENCES


[Brin93d] Per Brinch Hansen. Parallel cellular automata: a model program for computational science. *Concurrency: Practice and Ex-
REFERENCES

BrinchHansen:1994:DHS


BrinchHansen:1994:ICS


BrinchHansen:1994:MLD


BrinchHansen:1994:PLS


BrinchHansen:1994:SPL


BrinchHansen:1995:APP

REFERENCES


REFERENCES


REFERENCES


REFERENCES


[Bri96x] Per Brinch Hansen. Solo operating system: Processes, monitors, and classes. In *The Search for Simplicity: Essays in Parallel Pro-
REFERENCES


BrinchHansen:1998:EMP


BrinchHansen:1998:LE


BrinchHansen:1999:C


BrinchHansen:1999:JIP


BrinchHansen:1999:Ma


BrinchHansen:1999:Mb


BrinchHansen:1999:MC


BrinchHansen:1999:PEJ


REFERENCES


REFERENCES


[Brin02i] Per Brinch Hansen. RC 4000 software: Multiprogramming system. In The Origin of Concurrent Programming: From Semaphores
REFERENCES


REFERENCES


Dijkstra:1989:LSR


Dijkstra:2001:SMS


Dijkstra:2002:CSP


Dijkstra:2002:HOS


Dijkstra:2002:SMS


Dijkstra:2002:SE

REFERENCES


Hoare:2002:TTP


Horspool:2007:OPB


Kilburn:2001:AS


Kruijer:1997:BNS


Lauesen:2001:LSB


Leon:2000:ARP

REFERENCES


REFERENCES

tems: from Batch Processing to Distributed Systems [Bri01a],
fy0816/00045036-d.html; http://www.loc.gov/catdir/enhancements/
fy0816/00045036-t.html; https://link.springer.com/book/

[RDLG99] C. Rodríguez, F. De Sande, C. León, and L. García. Parallel-

ism and recursion in message passing libraries: an efficient 
365, June 1999. CODEN CPEXEI. ISSN 1040-3108 (print), 
wiley.com/cgi-bin/abstract?ID=62500298; http://www3.
interscience.wiley.com/cgi-bin/fulltext?ID=62500298&PLACEBO=
IE.pdf. See correspondence [Bri00, Leo00].

[Reg84] Eric Regener. Multiprecision integer division examples using arbi-
trary radix. ACM Transactions on Mathematical Software, 10(3):
325–328, September 1984. CODEN ACMSCU. ISSN 0098-3500
(print), 1557-7295 (electronic). See also [Bri94c].

[RT01] Dennis M. Ritchie and Ken Thompson. The Unix time-sharing
system. In Classic Operating Systems: from Batch Processing to 
Distributed Systems [Bri01a], pages 195–220. ISBN 0-387-95113-
catdir/enhancements/fy0816/00045036-d.html; http://www.
loc.gov/catdir/enhancements/fy0816/00045036-t.html; https://

[Ryc01] George F. Ryckman. The IBM 701 computer at the General 
Motors Research Laboratories. In Classic Operating Sys-
tems: from Batch Processing to Distributed Systems [Bri01a], 
fy0816/00045036-d.html; http://www.loc.gov/catdir/enhancements/
fy0816/00045036-t.html; https://link.springer.com/book/
REFERENCES


[SS01] Joe E. Stoy and Christopher Strachey. OS 6 — an experimental operating system for a small computer: Input/output and filing


1978. CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).