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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](mailto:beebe@math.utah.edu), [beebe@acm.org](mailto:beebe@acm.org),  
[beebe@computer.org](mailto:beebe@computer.org) (Internet)

WWW URL: <http://www.math.utah.edu/~beebe/>

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## Title word cross-reference

+ [GSL<sup>+</sup>05]. = [GSL<sup>+</sup>05]. GF(2<sup>n</sup>) [LBOX12].

0 [WXS16, ZZL13].

1394 [HKP09].

2008 [Bak08]. 2009 [SW09]. 2012 [BF12]. 2014 [ST14]. 2015 [DH16, SZ15]. 2016 [BP17, MT17]. 2017 [KW17, PWS17].

6 [ES14, LS12, PBV11, XXL<sup>+</sup>11].

Academic [CWY<sup>+</sup>15]. Accelerating [WCC15]. Access [CHA<sup>+</sup>11, DFP<sup>+</sup>15,

HCL13, JDxD13, WCC15, MKLC06].  
Accesses [WM16]. accountability [YC07].  
ACID [SBMW17, WSSZ07]. across [GR09].  
Adaptive [HWF<sup>+</sup>16, KKZ05, SPP11, WHE12].  
adaptively [WSZ<sup>+</sup>10]. Address [ZWH<sup>+</sup>17].  
Addressable [WCC15, CYW<sup>+</sup>17].  
administrator [DRK08]. Admission [EFM17]. Adventures [YZJ<sup>+</sup>17]. Against [MTD<sup>+</sup>15, KLK17, SDG10]. Aggressive [AWC09]. Agility [XCK<sup>+</sup>14]. Algorithms [XXL<sup>+</sup>11, BLN09, SZ05]. Alleviating [ZWH<sup>+</sup>17]. allocation [KR06, SZS<sup>+</sup>12]. among [LCMZ15]. Amplification [LKB<sup>+</sup>17, THWD08]. Analysis [ASM12, GAADAD17, LSDW17, MHL<sup>+</sup>15, BADAD<sup>+</sup>08]. Analytic [Des14]. anticipatory [SZS<sup>+</sup>12]. appliances

[AEMWC<sup>+</sup>12]. **Application** [JPB17, PAL<sup>+</sup>17]. **applications** [LBOX12, QJM<sup>+</sup>09]. **Approach** [WXH<sup>+</sup>16, XXL<sup>+</sup>11, XMRF<sup>+</sup>13, ZZL13, KR06, MT09, MMR<sup>+</sup>09, THTT08, ZSXZ07]. **Approaches** [KSDC14]. **arbitrary** [LS12]. **Architecture** [LBN14]. **architectures** [HWB<sup>+</sup>06]. **Archival** [GNB16, YPLG11, SGMV09]. **Archive** [CWY<sup>+</sup>15]. **archives** [HM05]. **archiving** [TPM<sup>+</sup>11]. **Array** [GNB16, LS12, MJW<sup>+</sup>12]. **Arrays** [AT13, MR16, WXH<sup>+</sup>16, WXS16, WMCJ16, ABLM07, TB09]. **assignment** [XS09]. **Assiative** [KCC13]. **assumptions** [XS09]. **augmentations** [TCJ<sup>+</sup>11]. **Authentication** [MNT06]. **automatic** [YV05]. **Auxiliary** [DMS<sup>+</sup>16]. **availability** [SPADAD05, TCJ<sup>+</sup>11]. **Available** [CZD<sup>+</sup>17]. **Aware** [HC17, JCG<sup>+</sup>16, KPY17, QLL17, ZZW<sup>+</sup>17, BLN09, BBK<sup>+</sup>09, WOQ<sup>+</sup>07].

**B** [Rod08, RBM13]. **B-Tree** [RBM13]. **B-trees** [Rod08]. **Backup** [HBP11, LXNL15, SHWH12, TCL12, VSV09]. **Balancing** [JK<sup>+</sup>17, QJM<sup>+</sup>09]. **Bandwidth** [HA13, LJFS17, LFH<sup>+</sup>17, LFJ<sup>+</sup>17, GSL<sup>+</sup>05]. **Based** [CHL16, EKB<sup>+</sup>16, HWF<sup>+</sup>16, HJW15, IJK<sup>+</sup>17, LSKK16, LSDW17, MJW<sup>+</sup>14, Tri15, WCXY15, WMCJ16, ZJQ<sup>+</sup>15, BLN09, CLP09, DRK08, HWB<sup>+</sup>06, HBL<sup>+</sup>06, KH10, LSZ09, LZYK<sup>+</sup>06, MJW<sup>+</sup>12, MRH09, RDCS07, TCJ<sup>+</sup>11, VJG08, WKC06, WHE12]. **basis** [ST06]. **battery** [KH10]. **battery-powered** [KH10]. **Behavior** [ASM12]. **Behaviors** [HCO<sup>+</sup>17]. **benchmarking** [AADAD09, TZJW08]. **BetrFS** [JYZ<sup>+</sup>15]. **Better** [WKRP06]. **Beyond** [ES14, IV15]. **bit** [ASS05]. **bit-rate** [ASS05]. **Block** [HHFD17, KMM<sup>+</sup>12, LV17, RHC15, SBMW17, AWC09, LCZ05]. **Block-Level** [KMM<sup>+</sup>12]. **Blurred** [LSS16]. **both** [DJC07, JDxD13]. **bounds** [EA08].

**Bridging** [GSL<sup>+</sup>05, SYK<sup>+</sup>11]. **BTRFS** [RBM13]. **BUD** [MQRY11]. **Buffer** [KPY17, LBN14, DJC07, MQRY11, WHE12]. **buffers** [THTT08]. **Building** [RDCS07, YWH<sup>+</sup>17]. **Byte** [CYW<sup>+</sup>17, WCC15]. **Byte-Addressable** [WCC15, CYW<sup>+</sup>17].

**CA** [BBK<sup>+</sup>09]. **CA-NFS** [BBK<sup>+</sup>09]. **Cache** [EFM17, HWF<sup>+</sup>16, LBN14, LSDW17, SS14, DJC07, GB07]. **caches** [MTH<sup>+</sup>08, VMF<sup>+</sup>06]. **Caching** [HC17, KSDC14, LB14, CHLK11, CHHH12, WSZ<sup>+</sup>10]. **caching-oriented** [CHHH12]. **Can** [WM16]. **case** [SZS<sup>+</sup>12]. **Causality** [MRH09]. **Causality-based** [MRH09]. **CCFS** [PAL<sup>+</sup>17]. **CDF** [QFS<sup>+</sup>17]. **Centers** [HLZ<sup>+</sup>17]. **Challenges** [GS06]. **Change** [KSDC14, KPY17]. **Channel** [KPY17]. **characteristic** [XS09]. **characteristics** [JHZK08]. **Characterization** [CHA<sup>+</sup>11]. **Characterizing** [MTD<sup>+</sup>15]. **Cheap** [HF05]. **Checker** [MDAD<sup>+</sup>14]. **Checking** [FQS<sup>+</sup>14, TPM<sup>+</sup>11]. **Chip** [KCC13]. **Chip-Level** [KCC13]. **Choosing** [ZXJ11]. **Class** [WQR13, JWK<sup>+</sup>10, STZ10]. **Classification** [WCXY15]. **Classifying** [JAM<sup>+</sup>16]. **Client** [HA17, HC17, HCO<sup>+</sup>17]. **Client-Side** [HA17]. **clones** [Rod08]. **Closed** [ES14, IV15]. **Closed-Form** [ES14, IV15]. **Cloud** [BCQ<sup>+</sup>13, HC17, HCO<sup>+</sup>17, MJW<sup>+</sup>14, VDV17, YHJ13, VSV09]. **Cloud-of-Clouds** [BCQ<sup>+</sup>13]. **Clouds** [BCQ<sup>+</sup>13]. **Clusters** [HZQX13, QJM<sup>+</sup>09, WB05]. **code** [LS12, LS12]. **Coded** [HLZ<sup>+</sup>17, HZQX13]. **Codes** [HBP11, LL14, LFH<sup>+</sup>17, LFJ<sup>+</sup>17, PB14, Tri15, XXL<sup>+</sup>11, LSZ09, PBV11, HCL13]. **Coding** [CZD<sup>+</sup>17, TB09]. **collaborative** [VMF<sup>+</sup>06]. **Collecting** [DS16]. **Collection** [YLH<sup>+</sup>17]. **common** [SZS<sup>+</sup>12]. **communication** [GSL<sup>+</sup>05]. **Compaction** [YWH<sup>+</sup>17]. **Complexity** [Tri15].

**compliance** [PB05]. **Compound** [LSDW17]. **Compounds** [CBH<sup>+</sup>17]. **comprehensive** [JHZK08]. **Compression** [KMM<sup>+</sup>12, SHWH12]. **Computational** [CHA<sup>+</sup>11]. **computer** [HWB<sup>+</sup>06, HBL<sup>+</sup>06, MTH<sup>+</sup>08]. **congestion** [BBK<sup>+</sup>09]. **congestion-aware** [BBK<sup>+</sup>09]. **conquer** [Tos09]. **Conquest** [WKRPO6]. **Conscious** [LPG<sup>+</sup>17]. **conservation** [CK05]. **Conserve** [HZQX13]. **Consistency** [PAL<sup>+</sup>17, FSM<sup>+</sup>12]. **Consistent** [HA13, YV05]. **Consolidated** [ZXJ11]. **Constructing** [VMF<sup>+</sup>06]. **Consumption** [CPW<sup>+</sup>15]. **Container** [LSDW17]. **Container-Based** [LSDW17]. **content** [KR10]. **Context** [GHWK15, ZJQ<sup>+</sup>15]. **Context-Based** [ZJQ<sup>+</sup>15]. **Continuous** [CHA<sup>+</sup>11]. **Contributing** [CCB07]. **contributor** [JHZK08]. **control** [KKZ05, ZSW<sup>+</sup>06]. **Cooperative** [LKB<sup>+</sup>17, ZZW<sup>+</sup>17, TCL12]. **Correction** [QFS<sup>+</sup>17]. **correlations** [LCZ05]. **corruption** [BADAD<sup>+</sup>08]. **CosaFS** [ZZW<sup>+</sup>17]. **Cost** [HC17]. **Cost-Aware** [HC17]. **Crash** [PAL<sup>+</sup>17, WKC06]. **Cross** [WCR<sup>+</sup>06]. **Cross-layer** [WCR<sup>+</sup>06]. **Cumulus** [VSV09]. **Customizable** [LJFS17].

**D** [SPADAD05]. **D-GRAID** [SPADAD05]. **D2D** [HM05]. **Data** [ASM12, AT13, CWY<sup>+</sup>15, DFP<sup>+</sup>15, DMS<sup>+</sup>16, EKB<sup>+</sup>16, HLZ<sup>+</sup>17, HCL13, IJK<sup>+</sup>17, JDXD13, JAM<sup>+</sup>16, KLK17, LKB<sup>+</sup>17, MEK<sup>+</sup>14, SSWC14, WH15, YPLG11, ZB16, ASS05, ABLM07, BADAD<sup>+</sup>08, BFHR09, EM05, EA08, HKC06, LZYZK<sup>+</sup>06, SZ05]. **Data-Intensive** [CWY<sup>+</sup>15]. **database** [DRK08, THTT08]. **databases** [MNT06]. **Datacenter** [SSVG13]. **datasets** [SHWH12, VMF<sup>+</sup>06]. **David** [AAADAD12]. **decentralized** [TCL12]. **Deduplication** [LXNL15, MSM<sup>+</sup>17, MJW<sup>+</sup>14, PP16, QLL17, MB12, KR10]. **Deduplication-Based** [MJW<sup>+</sup>14]. **Deferred** [HZQX13]. **Defining** [EA08]. **degradation** [JB05]. **Deletion** [DMS<sup>+</sup>16]. **delta** [SHWH12]. **density** [PBV11]. **Dependable** [BCQ<sup>+</sup>13]. **Deployment** [WXH<sup>+</sup>16]. **DepSky** [BCQ<sup>+</sup>13]. **Design** [CPW<sup>+</sup>15, HWC12, LSDW17, QLL17, SS14, ZZL13, CHHH12, GS06, WKRPO6, WKC06]. **desktop** [VMF<sup>+</sup>06]. **development** [ZIJ<sup>+</sup>06]. **Device** [LL14, SSHY16, ZXJ11, HBL<sup>+</sup>06]. **Devices** [CSY<sup>+</sup>14, GHWK15, ZWH<sup>+</sup>17, BLN09, CHLK11, GR09, KH10, LZYZK<sup>+</sup>06]. **DFS** [JBLF10]. **Differential** [BKPM10]. **differentiation** [KKZ05]. **digital** [GSL<sup>+</sup>05]. **directed** [LLZA05]. **Disk** [ASD15, HWF<sup>+</sup>16, IHHE11, JDXD13, MTD<sup>+</sup>15, PB14, SSVG13, SYK<sup>+</sup>11, WXH<sup>+</sup>16, WMCJ16, XXL<sup>+</sup>11, ABLM07, BFHR09, DEH<sup>+</sup>08, GW10, GS06, HM05, LS12, MJW<sup>+</sup>12, MTH<sup>+</sup>08, NQX06, SG07, SZ05, TB09, VJG08, WKRPO6, WB05]. **disk/persistent** [WKRPO6]. **disk/persistent-RAM** [WKRPO6]. **Disks** [GNB16, JAM<sup>+</sup>16, JHZK08, LLZA05, MQRY11]. **DISP** [EM05]. **Distributed** [GAADAD17, PP16, XCK<sup>+</sup>14, EM05, HDW<sup>+</sup>08, MMR<sup>+</sup>09]. **Distribution** [YZ16]. **Divide** [Tos09, GSL<sup>+</sup>05]. **Divide-and-conquer** [Tos09]. **Does** [GAADAD17, MR16, SG07]. **dominant** [JHZK08]. **Drive** [LCMZ15, SSVG13, SHDA17, WCXY15, GS06]. **Drive-Managed** [SHDA17]. **driver** [CHLK11]. **driver-layer** [CHLK11]. **Drives** [CHL16, BFHR09, CHHH12, GW10, HM05]. **duplicate** [BJD06]. **Durable** [HA17]. **Dynamic** [ABLM07, EKB<sup>+</sup>16, NB13, QJM<sup>+</sup>09, ZB16, THTT08].

**Editorial** [BP11, Lon12, Raj05, BK10]. **Efficiency** [HA13, HCL13]. **Efficient** [CK05, CWY<sup>+</sup>15, CZD<sup>+</sup>17, DFP<sup>+</sup>15, EFM17, HKC06, IJK<sup>+</sup>17, KSGP17, KLK17, LXNL15,

LZYK<sup>+06</sup>, LSS16, LBOX12, MRZ<sup>+09</sup>, MEK<sup>+14</sup>, PP16, SZ05, SSHY16, TCL12, XMRF<sup>+13</sup>, YWH<sup>+17</sup>, YPLG11, ZB16, EM05, LS12, MQR11, WKC06, ZSXZ07].

**Elastic** [XCK<sup>+14</sup>]. **Elimination** [YLH<sup>+17</sup>, BJD06]. **emulate** [CLHK10]. **Emulating** [AAADAD12]. **Encrypted** [QLL17]. **Endurance** [LCMZ15]. **Energy** [CWY<sup>+15</sup>, CPW<sup>+15</sup>, HZQX13, LCMZ15, EA08, LLZA05, MQR11, STZ10]. **Energy-Efficient** [CWY<sup>+15</sup>, MQR11]. **Enforcement** [LJFS17]. **enhanced** [MJW<sup>+12</sup>]. **enhancement** [CHHH12]. **Enterprise** [KSDC14, NDR08]. **Equation** [ES14, IV15]. **Erasure** [CZD<sup>+17</sup>, HLZ<sup>+17</sup>, HZQX13, LL14, LFJ<sup>+17</sup>, PB14, LSZ09]. **Erasure-Coded** [HLZ<sup>+17</sup>, HZQX13]. **Error** [QFS<sup>+17</sup>]. **errors** [DEH<sup>+08</sup>, SDG10]. **Evaluating** [KSDC14]. **Evaluation** [SSVG13, XXL<sup>+11</sup>, XMRF<sup>+13</sup>, ZZL13]. **Evidence** [YZ16]. **Evolution** [LADADL14]. **Exact** [HBP11, MSM<sup>+17</sup>]. **ExaPlan** [IJK<sup>+17</sup>]. **Exascale** [SSWC14]. **Exedra** [ASS05]. **existence** [TPM<sup>+11</sup>]. **Experience** [YS17]. **Exploiting** [HZQX13, JDXD13, JPB17, JWK<sup>+10</sup>, LSKK16, DJC07, MKLC06]. **Ext3cow** [PB05]. **Extending** [WSSZ07]. **Extensions** [WQR13]. **Extract** [GW10].

**Failed** [XXL<sup>+11</sup>]. **Failure** [PB14, JHZK08, SG07]. **Failures** [LL14, MTD<sup>+15</sup>, SSVG13, JHZK08]. **Family** [LL14]. **FAST** [Bak08, BF12, BP17, KW17, SZ15, ST14, CSY<sup>+14</sup>, GHWK15, MDAD<sup>+14</sup>, SSHY16, TPM<sup>+11</sup>, WXH<sup>+16</sup>, ADAD07, SW09]. **FAST<sup>10</sup>** [BK10]. **Fault** [GAADAD17, ASS05, EM05, LSZ09]. **fault-tolerant** [ASS05, EM05]. **Faults** [GAADAD17]. **Ffsck** [MDAD<sup>+14</sup>]. **Fidelity** [JCG<sup>+16</sup>]. **fields** [LBOX12]. **File** [AEMWC<sup>+12</sup>, CYW<sup>+17</sup>, DMS<sup>+16</sup>, GAADAD17, GR09, JYZ<sup>+15</sup>, LADADL14,

MDAD<sup>+14</sup>, WCC15, WQR13, YZJ<sup>+17</sup>, ZZW<sup>+17</sup>, ZJQ<sup>+15</sup>, ABDL07, AADAD09, AWC09, BBK<sup>+09</sup>, CCB07, FSM<sup>+12</sup>, JB05, JBLF10, JWK<sup>+10</sup>, MKLC06, PB05, STZ10, SSR<sup>+10</sup>, TPM<sup>+11</sup>, TZJW08, THWD08, VFNN10, WKRP06, WSSZ07, WKC06, XS09, ZIJ<sup>+06</sup>]. **File-System** [GAADAD17, MDAD<sup>+14</sup>, ABDL07, AADAD09]. **Filesystem** [RBM13, VSV09]. **Fine** [CYW<sup>+17</sup>]. **Fine-grained** [CYW<sup>+17</sup>]. **finite** [LBOX12]. **five** [ABDL07]. **five-year** [ABDL07]. **Flash** [CHL16, HWC12, HWF<sup>+16</sup>, JCG<sup>+16</sup>, KCC13, LSKK16, LKB<sup>+17</sup>, LSDW17, WCXY15, WH15, YS17, YLH<sup>+17</sup>, ZWH<sup>+17</sup>, CK05, CLHK10, CLP09, HKC06, JBLF10, LZYK<sup>+06</sup>, SPP11, WKC06, WHE12]. **Flash-Based** [HWF<sup>+16</sup>, LSKK16, LZYK<sup>+06</sup>, WHE12]. **flash-memory** [CK05]. **FlexDPDP** [EKB<sup>+16</sup>]. **Flexible** [HCL13]. **Flexlist** [EKB<sup>+16</sup>]. **Flexlist-Based** [EKB<sup>+16</sup>]. **forgery** [HSW09]. **Form** [ES14, IV15]. **Framework** [YPLG11, ZJQ<sup>+15</sup>, VJG08]. **FRASH** [JWK<sup>+10</sup>]. **Free** [KSGP17]. **Friendly** [BN16]. **Frog** [ZJQ<sup>+15</sup>]. **FTL** [KPY17]. **FTP** [AWC09]. **Functional** [LFH<sup>+17</sup>]. **Functionality** [LBN14].

**Garbage** [DS16, YLH<sup>+17</sup>]. **GCMix** [KLK17]. **GCTrees** [DS16]. **GDS** [HC17]. **gear** [WOQ<sup>+07</sup>]. **gear-shifting** [WOQ<sup>+07</sup>]. **General** [LL14, LFH<sup>+17</sup>]. **Generalized** [AT13, LS12]. **Generating** [AADAD09]. **generation** [DRK08]. **generic** [GSL<sup>+05</sup>]. **geometry** [GW10]. **goliath** [AAADAD12]. **graceful** [JB05]. **GRAID** [SPADAD05]. **grained** [CYW<sup>+17</sup>]. **Graphs** [MHL<sup>+15</sup>]. **GRID** [LSZ09]. **Group** [WM16]. **grouping** [EA08]. **Groupings** [WM16]. **Guest** [BP11, BK10].

**H** [WXH<sup>+16</sup>]. **H-Scale** [WXH<sup>+16</sup>]. **Hard** [SSVG13, GW10]. **hardness** [THWD08].

**Heap** [HJW15]. **Heap-Based** [HJW15]. **HEAPO** [HJW15]. **heterogeneous** [GR09]. **hfplayer** [HHFD17]. **Hierarchical** [HBP11, LV17, JWK<sup>+</sup>10]. **hierarchy** [MTH<sup>+</sup>08]. **High** [CSY<sup>+</sup>14, JCG<sup>+</sup>16, KPY17, LB14, LFH<sup>+</sup>17, DEH<sup>+</sup>08, GSL<sup>+</sup>05, LSZ09]. **high-bandwidth** [GSL<sup>+</sup>05]. **High-Fidelity** [JCG<sup>+</sup>16]. **High-Performance** [CSY<sup>+</sup>14, LB14, LFH<sup>+</sup>17]. **high-reliability** [DEH<sup>+</sup>08]. **Higher** [TB09]. **Highly** [EFM17]. **hints** [DRK08]. **Historical** [ASM12]. **History** [JDXD13, HSW09]. **hot** [HKC06]. **hours** [SG07]. **HPDA** [MJW<sup>+</sup>12]. **Hybrid** [CZD<sup>+</sup>17, KCC13, LXNL15, LCMZ15, VDV17, WXH<sup>+</sup>16, XXL<sup>+</sup>11, XMRF<sup>+</sup>13, JWK<sup>+</sup>10, MJW<sup>+</sup>12, SPP11, WKRP06]. **Hybris** [VDV17].

**I/O** [CBH<sup>+</sup>17, HHFD17, HCO<sup>+</sup>17, JPB17, KR10, MQRY11, MKLC06, QJM<sup>+</sup>09, SSHY16, YSEY10, ZXJ11]. **I/O-intensive** [QJM<sup>+</sup>09]. **Identification** [BWV16, HKC06]. **Identify** [WM16]. **idleness** [MRZ<sup>+</sup>09]. **IEEE** [HKP09]. **IEEE-1394** [HKP09]. **ImmortalGraph** [MHL<sup>+</sup>15]. **Impact** [SSVG13, ZWH<sup>+</sup>17]. **Implementation** [HWC12, QLL17, Tri15]. **implementations** [AEMWC<sup>+</sup>12, LBOX12]. **Implications** [YZ16]. **Imply** [GAADAD17]. **Impressions** [AADAD09]. **Improve** [JPB17, LSKK16, MR16, QFS<sup>+</sup>17, KR10, LCZ05]. **Improved** [WMCJ16]. **Improving** [BJD06, CHA<sup>+</sup>11, HA13, HWF<sup>+</sup>16, SYK<sup>+</sup>11, SPADAD05, NQX06]. **In-Memory** [CZD<sup>+</sup>17]. **incremental** [ZIJ<sup>+</sup>06]. **independent** [XS09]. **Index** [DFP<sup>+</sup>15]. **indexing** [LZYK<sup>+</sup>06]. **infer** [GW10]. **informed** [SHWH12]. **Infrastructure** [PP16]. **initialization** [WKC06]. **Inline** [LXNL15]. **Integrity** [FQS<sup>+</sup>14, MNT06]. **Intelligent** [WCR<sup>+</sup>06]. **Intel(R)** [MTH<sup>+</sup>08]. **Intensive** [CWY<sup>+</sup>15, HHFD17, NQX06, QJM<sup>+</sup>09]. **inter** [MKLC06]. **inter-file** [MKLC06]. **Interdisk** [WXS16]. **Interface** [ZXJ11]. **Interference** [KLK17]. **Interleaving** [JPB17, SYK<sup>+</sup>11]. **Internal** [CHL16]. **intra** [DEH<sup>+</sup>08]. **intra-disk** [DEH<sup>+</sup>08]. **Intradisk** [IHHE11]. **Introduction** [ADAD07, Bak08, BF12, BP17, DH16, KW17, MT17, PWS17, SZ15, ST14, SW09]. **IO** [GHWK15, RHC15]. **Isotope** [SBMW17]. **Issue** [BP17, DH16, KW17, MT17, PWS17, SZ15, ST14, ADAD07, Bak08, BF12, SW09]. **issues** [GS06].

**JFTL** [CLP09]. **journal** [CLP09]. **Journaling** [CYW<sup>+</sup>17, HA17, LBN14].

**Kernel** [JYZ<sup>+</sup>15]. **Key** [YWH<sup>+</sup>17, HF05]. **Keys** [LPG<sup>+</sup>17]. **Kinesis** [MMR<sup>+</sup>09]. **KV** [CZD<sup>+</sup>17]. **KV-Store** [CZD<sup>+</sup>17].

**Large** [Hal16, IJK<sup>+</sup>17, MEK<sup>+</sup>14, AWC09, CK05, HDW<sup>+</sup>08, LBOX12, SZ05, VMF<sup>+</sup>06]. **Large-Scale** [Hal16, MEK<sup>+</sup>14, CK05, HDW<sup>+</sup>08]. **Latencies** [YLH<sup>+</sup>17]. **Latency** [HC17, EA08, ZSW<sup>+</sup>06]. **Latency-** [HC17]. **latent** [SDG10]. **Launch** [JPB17]. **Layer** [KCC13, WCXY15, CHLK11, CLP09, SPP11, WCR<sup>+</sup>06]. **Layering** [HLZ<sup>+</sup>17]. **Layout** [JDXD13]. **Lazy** [HWF<sup>+</sup>16, MSM<sup>+</sup>17]. **LC** [HC17]. **LDM** [WMCJ16]. **LDPC** [QFS<sup>+</sup>17]. **Level** [KHW<sup>+</sup>16, KMM<sup>+</sup>12, KCC13]. **Leveling** [LV17, WXS16]. **Leveraging** [DMS<sup>+</sup>16]. **Lifetime** [MR16]. **Lightweight** [SSWC14, YWH<sup>+</sup>17]. **Like** [SSOT17]. **Line** [LXNL15]. **Linux** [LADADL14, RBM13]. **Load** [IJK<sup>+</sup>17, YHJ13, QJM<sup>+</sup>09, WB05]. **loading** [NDR08]. **local** [NQX06]. **Localities** [LSKK16, DJC07]. **Location** [SSWC14]. **Log** [BN16, WMCJ16, WKC06]. **log-based** [WKC06]. **logging** [MT09]. **LoneStar** [GNB16]. **Long**

[ASM12, SGMV09]. **Long-Term**  
 [ASM12, JAM<sup>+</sup>16, SGMV09]. **Low** [Tri15].  
**Low-Complexity** [Tri15].

**main** [LLZA05]. **mainstream** [MTH<sup>+</sup>08].  
**Making** [SZS<sup>+</sup>12]. **Managed** [SHDA17].  
**Management** [LKB<sup>+</sup>17, YHJ13, CK05,  
 CHHH12, DJC07, GR09, HBL<sup>+</sup>06, LLZA05,  
 MRZ<sup>+</sup>09, NDR08, TCL12, WB05, WHE12].  
**managing** [HF05]. **Manycoros** [KHW<sup>+</sup>16].  
**MAP** [WCXY15]. **Mapped** [SSHY16].  
**Massive** [GNB16, PWS17]. **Maximizing**  
 [CBH<sup>+</sup>17]. **mean** [SG07]. **Mechanism**  
 [CWY<sup>+</sup>15]. **Mechanisms** [FQS<sup>+</sup>14]. **Media**  
 [LB14, GSL<sup>+</sup>05, RDCS07, VJG08].  
**Membrane** [SSR<sup>+</sup>10]. **Memory**  
 [CHL16, CZD<sup>+</sup>17, HWC12, JCG<sup>+</sup>16,  
 KSDC14, KCC13, LBN14, LSS16, MTH<sup>+</sup>08,  
 SSHY16, WCC15, WQR13, WH15, CK05,  
 CLP09, HKC06, JWK<sup>+</sup>10, LLZA05, SZS<sup>+</sup>12,  
 WKC06]. **Memory-Based** [CHL16].  
**Memory-Mapped** [SSHY16]. **MEMS**  
 [BLN09, HWB<sup>+</sup>06, HBL<sup>+</sup>06, KH10,  
 RDCS07]. **MEMS-based** [BLN09,  
 HWB<sup>+</sup>06, HBL<sup>+</sup>06, KH10, RDCS07].  
**merge** [SPP11]. **Metadata**  
 [CYW<sup>+</sup>17, WCC15, ABDL07]. **Method**  
 [QFS<sup>+</sup>17]. **MFTL** [HWC12].  
**Microarchitecture** [JCG<sup>+</sup>16].  
**Microarchitecture-Aware** [JCG<sup>+</sup>16].  
**Migration** [LV17, SZ05]. **Minimum**  
 [PBV11]. **Mining** [LCZ05]. **Mirroring**  
 [WMCJ16]. **misbehaviors** [YSEY10].  
**Mixed** [PB14, VJG08]. **mixed-media**  
 [VJG08]. **MLC** [HWC12]. **mobile** [KH10].  
**Modeling** [NQX06, SHDA17, HBL<sup>+</sup>06].  
**Models** [Des14]. **modern** [GW10]. **Modes**  
 [PB14]. **Monitoring** [MTD<sup>+</sup>15].  
**MOSFETs** [ST06]. **Movement** [JAM<sup>+</sup>16].  
**MSST** [DH16, MT17]. **MTTDL**  
 [IV15, ES14]. **MTTF** [SG07]. **Multi**  
 [KPY17]. **Multi-Channel** [KPY17].  
**Multicollective** [MKLC06]. **MultiLanes**  
 [KHW<sup>+</sup>16]. **Multiresolution** [GGE<sup>+</sup>05].

**Multistream** [HA13, GB07].

**namespace** [WDG<sup>+</sup>06]. **NAND**  
 [CLHK10, JCG<sup>+</sup>16, LSKK16, YLH<sup>+</sup>17].  
**NANDFlashSim** [JCG<sup>+</sup>16]. **NCQ**  
 [YSEY10]. **Near**  
 [LJFS17, LFH<sup>+</sup>17, YLH<sup>+</sup>17].  
**Near-Optimal** [LFH<sup>+</sup>17]. **Near-Perfect**  
 [YLH<sup>+</sup>17]. **Near-Precise** [LJFS17].  
**Network**  
 [JB05, SSOT17, BBK<sup>+</sup>09, GSL<sup>+</sup>05, YC07].  
**networks** [GGE<sup>+</sup>05]. **NFS**  
 [BBK<sup>+</sup>09, CBH<sup>+</sup>17]. **nine** [TZJW08].  
**Niobe** [MTJ<sup>+</sup>08]. **Nondeterministic**  
 [SSWC14]. **Nonvolatile**  
 [LBN14, MTH<sup>+</sup>08, WCC15]. **NOR**  
 [CLHK10]. **note** [Lon12]. **NVM**  
 [CYW<sup>+</sup>17, LKB<sup>+</sup>17]. **NVRAM** [LV17].  
**O** [CBH<sup>+</sup>17, HHFD17, HCO<sup>+</sup>17, JPB17,  
 KR10, MQRY11, MKLC06, SSHY16,  
 YSEY10, ZXJ11]. **O-intensive** [QJM<sup>+</sup>09].  
**Object** [HJW15]. **Objects** [LSDW17].  
**Obtaining** [GW10]. **off** [NDR08].  
**off-loading** [NDR08]. **Offline** [GNB16].  
**Offs** [LCMZ15]. **Online**  
 [KMM<sup>+</sup>12, TCJ<sup>+</sup>11]. **only** [SZS<sup>+</sup>12].  
**Operating** [SSR<sup>+</sup>10]. **Operation**  
 [ASD15, TB09]. **Optimal**  
 [AT13, GB07, HLZ<sup>+</sup>17, LFH<sup>+</sup>17, LFJ<sup>+</sup>17,  
 Tos09, WSZ<sup>+</sup>10]. **Optimization**  
 [JYZ<sup>+</sup>15, KCC13, MJW<sup>+</sup>14, YZJ<sup>+</sup>17,  
 HDW<sup>+</sup>08, WCR<sup>+</sup>06]. **Optimized**  
 [EKB<sup>+</sup>16, SHWH12]. **Optimizing**  
 [CYW<sup>+</sup>17, KH10, STZ10, SYK<sup>+</sup>11, DRK08].  
**Organization** [TB09]. **oriented** [CHHH12].  
**OS-Level** [KHW<sup>+</sup>16]. **Other** [YZJ<sup>+</sup>17].  
**Ouroboros** [LV17]. **Out-of-Line** [LXNL15].  
**Outsourced** [DFP<sup>+</sup>15, MNT06].  
**P** [BLN09]. **P/PA** [BLN09]. **P/PA-SPTF**  
 [BLN09]. **P2P** [HBP11]. **Page** [KLK17].  
**Paired** [KLK17]. **Pannier** [LSDW17].  
**PARAID** [WOQ<sup>+</sup>07]. **Parallel**

[KCC13, MQRY11]. **Parallelism** [BLN09, CHL16]. **Parallelism-aware** [BLN09]. **parity** [MJW<sup>+</sup>12, TCJ<sup>+</sup>11]. **parity-based** [MJW<sup>+</sup>12, TCJ<sup>+</sup>11]. **Path** [DMS<sup>+</sup>16]. **Pattern** [KPY17]. **Pattern-Change-Aware** [KPY17]. **patterns** [MKLC06]. **Asynchronous** [NB13]. **PA-SPTF** [BLN09]. **peristent-RAM** [WKR06]. **Per-File** [DMS<sup>+</sup>16]. **Perfect** [YLH<sup>+</sup>17]. **Performance** [CBH<sup>+</sup>17, CSY<sup>+</sup>14, Des14, HCO<sup>+</sup>17, JPB17, KKZ05, KPY17, KCC13, LB14, LSKK16, LLZA05, LCMZ15, LFH<sup>+</sup>17, MJW<sup>+</sup>14, PAL<sup>+</sup>17, QFS<sup>+</sup>17, SHDA17, SYK<sup>+</sup>11, WMCJ16, XXL<sup>+</sup>11, XCK<sup>+</sup>14, ZXJ11, CHHH12, JB05, KR10, LCZ05, MJW<sup>+</sup>12, STZ10, WKR06, ZSW<sup>+</sup>06]. **Persistence** [LSS16]. **Persistent** [HJW15, LSS16]. **Perspective** [CPW<sup>+</sup>15, HCO<sup>+</sup>17]. **Phase** [KSDC14]. **Placement** [IJK<sup>+</sup>17, MEK<sup>+</sup>14, MMR<sup>+</sup>09]. **Policy** [EFM17, CHLK11, WSZ<sup>+</sup>10]. **Portable** [AEMWC<sup>+</sup>12]. **Portably** [THWD08]. **Possession** [EKB<sup>+</sup>16, ZB16]. **possible** [GS06]. **postal** [GSL<sup>+</sup>05]. **POTSHARDS** [SGMV09]. **Power** [YHJ13, NDR08, WOQ<sup>+</sup>07]. **power-aware** [WOQ<sup>+</sup>07]. **powered** [KH10]. **Practical** [NDR08, MTJ<sup>+</sup>08, MB12, EM05]. **Practice** [HLZ<sup>+</sup>17]. **PRE** [MQRY11]. **PRE-BUD** [MQRY11]. **Precise** [LJFS17]. **Predicting** [Hal16]. **Predictive** [EA08, WM16]. **Prefetching** [JDXD13, GB07, MQRY11]. **presence** [DEH<sup>+</sup>08]. **PRESIDIO** [YPLG11]. **Preventing** [HSW09, YSEY10]. **Primary** [PP16]. **Private** [DFP<sup>+</sup>15]. **Proactively** [MTD<sup>+</sup>15]. **processing** [HDW<sup>+</sup>08]. **protect** [SDG10]. **Protecting** [MTD<sup>+</sup>15]. **Protection** [KLK17]. **protocol** [MTJ<sup>+</sup>08]. **Prototype** [SS14]. **Provable** [EKB<sup>+</sup>16, ZB16]. **Provenance** [XMRF<sup>+</sup>13, HSW09]. **Providing** [KHW<sup>+</sup>16]. **Provisioning** [IJK<sup>+</sup>17]. **Pyramid** [HCL13].

**QoS** [HKP09]. **queries** [Tos09]. **Queueing** [IJK<sup>+</sup>17]. **Queueing-Based** [IJK<sup>+</sup>17]. **quFiles** [VFNN10]. **quickly** [GW10].

**races** [THWD08]. **RAID** [IV15, BKPM10, DEH<sup>+</sup>08, ES14, GNB16, HM05, IHHE11, KZZ07, LS12, MR16, PBV11, PB14, Tri15, WXS16, WOQ<sup>+</sup>07, XXL<sup>+</sup>11, ZZL13]. **RAID-0** [WXS16, ZZL13]. **RAID-6** [IV15, LS12, PBV11, XXL<sup>+</sup>11]. **RAIDs** [TCJ<sup>+</sup>11]. **RAIDShield** [MTD<sup>+</sup>15]. **RAM** [WKR06]. **Random** [MEK<sup>+</sup>14]. **randomization** [WB05]. **range** [Tos09]. **rate** [ASS05]. **rates** [SG07]. **Reactions** [GAADAD17]. **Read** [KPY17, MJW<sup>+</sup>14, QFS<sup>+</sup>17]. **Read-Performance** [MJW<sup>+</sup>14]. **Read-Write** [KPY17]. **real** [WCR<sup>+</sup>06]. **real-time** [WCR<sup>+</sup>06]. **realistic** [AADAD09]. **reallocation** [ABLM07]. **Rebuttal** [IV15]. **Reclamation** [KSGP17]. **Recon** [FSM<sup>+</sup>12]. **recoverable** [SGMV09]. **Recovery** [XXL<sup>+</sup>11, HF05, WKC06]. **Reduce** [JAM<sup>+</sup>16]. **Reducing** [HBP11, LKB<sup>+</sup>17]. **reduction** [EA08]. **Redundancies** [HZQX13]. **Redundancy** [GAADAD17, IHHE11, DEH<sup>+</sup>08]. **redundant** [TB09]. **Reed** [Tri15]. **Regenerating** [HBP11, LFH<sup>+</sup>17]. **regeneration** [YV05]. **regulatory** [PB05]. **Rekeying** [QLL17]. **Rekeying-Aware** [QLL17]. **Reliability** [ES14, Hal16, HM05, IV15, WMCJ16, BKPM10, DEH<sup>+</sup>08, MJW<sup>+</sup>12, TB09]. **Reliable** [CWY<sup>+</sup>15, HCL13]. **remapping** [CLP09]. **Remote** [ZB16]. **removable** [CHLK11]. **Reordering** [JPB17, AWC09]. **Repair** [HLZ<sup>+</sup>17, HBP11, LFH<sup>+</sup>17, LFJ<sup>+</sup>17]. **Replacement** [HWF<sup>+</sup>16, SZ05]. **Replay** [HHFD17]. **replica** [MMR<sup>+</sup>09, YV05]. **Replicated** [AT13]. **Replication** [CZD<sup>+</sup>17, NB13, EA08, MTJ<sup>+</sup>08, SHWH12]. **Repositories** [ASM12]. **Request**

[SYK<sup>+</sup>11, BLN09]. **resource** [CK05]. **Response** [AT13]. **restartable** [SSR<sup>+</sup>10]. **Rethinking** [AWC09, BKPM10]. **Retrieval** [AT13, Tos09]. **Revisiting** [KAU12]. **Right** [YZJ<sup>+</sup>17, VFNN10]. **robin** [ZSXZ07]. **Robust** [VDV17]. **round** [ZSXZ07]. **round-robin** [ZSXZ07]. **runtime** [FSM<sup>+</sup>12].

**SAN** [CSY<sup>+</sup>14]. **SATA** [HM05]. **Scalable** [ASS05, HHFD17, MEK<sup>+</sup>14, YHJ13]. **Scale** [Hal16, MEK<sup>+</sup>14, SSVG13, WXH<sup>+</sup>16, CK05, HDW<sup>+</sup>08, WXH<sup>+</sup>16]. **Scaling** [ZZL13, ZSXZ07]. **scheduler** [YSEY10]. **scheduling** [BLN09, VJG08]. **Scheme** [HC17, JDxD13, KLK17, DEH<sup>+</sup>08, DJC07, Tos09, WHE12]. **Schemes** [HCL13]. **Science** [CHA<sup>+</sup>11]. **Scientific** [ASM12, VMF<sup>+</sup>06]. **SCMFS** [WQR13]. **Scrubbing** [IHHE11]. **SD** [PB14]. **search** [GGE<sup>+</sup>05]. **Sector** [LL14, PB14, GW10, SDG10]. **Sector-Disk** [PB14]. **Secure** [BCQ<sup>+</sup>13, DMS<sup>+</sup>16, EM05, HSW09, LBOX12, MT09, SGMV09]. **security** [HM05, NQX06]. **Seek** [SYK<sup>+</sup>11]. **Seek-Optimizing** [SYK<sup>+</sup>11]. **Selecting** [WSZ<sup>+</sup>10]. **self** [HF05, THTT08]. **self-managing** [HF05]. **self-tuning** [THTT08]. **semantics** [WDG<sup>+</sup>06, WSSZ07]. **semi** [BFHR09]. **semi-structured** [BFHR09]. **sensor** [GGE<sup>+</sup>05, LZYK<sup>+</sup>06]. **Separating** [LPG<sup>+</sup>17]. **Sequential** [LSKK16, GB07]. **server** [ASS05, STZ10]. **server-class** [STZ10]. **Service** [SSWC14, ZXJ11]. **services** [VJG08]. **shadowing** [Rod08]. **Shared** [HA17, GB07, VJG08, WB05]. **shared-disk** [WB05]. **shifting** [PB05, WOQ<sup>+</sup>07]. **Shingle** [ZZW<sup>+</sup>17]. **Shingle-Aware** [ZZW<sup>+</sup>17]. **Shingled** [ASD15, JAM<sup>+</sup>16]. **Shuffle** [DFP<sup>+</sup>15]. **Side** [HA17]. **similarity** [KR10]. **Simulation** [JCG<sup>+</sup>16]. **Single** [KPY17]. **size** [LS12]. **Skew** [YZ16]. **Skylight** [ASD15]. **SLAS** [ZSXZ07]. **Slicing** [MEK<sup>+</sup>14]. **SLO** [LJFS17]. **Small** [SYK<sup>+</sup>11]. **Smart** [GHWK15]. **SmartCon** [GHWK15]. **smartphones** [KAU12]. **SMR** [SHDA17]. **Snapshots** [DS16]. **soft** [WCR<sup>+</sup>06]. **software** [LBOX12]. **Solid** [CHL16, SS14, WCXY15, ZWH<sup>+</sup>17, CHHH12]. **Solid-State** [CHL16, SS14, WCXY15, CHHH12]. **Solomon** [Tri15]. **solutions** [GS06]. **solving** [THWD08]. **SOPA** [WSZ<sup>+</sup>10]. **Sorting** [WH15]. **Space** [HCL13, KSGP17]. **spatial** [DJC07]. **Special** [BP17, DH16, KW17, MT17, SZ15, ST14, ADAD07, Bak08, BF12, SW09, PWS17]. **Spin** [ST06]. **spintronics** [ST06]. **SPTF** [BLN09]. **SSD** [BKPM10, Des14, KPY17, LPG<sup>+</sup>17, MR16, QFS<sup>+</sup>17, WXS16, WMCJ16]. **SSD-Based** [WMCJ16]. **SSD-Conscious** [LPG<sup>+</sup>17]. **SSDPlayer** [YS17]. **SSDs** [CPW<sup>+</sup>15, LSKK16, SPP11, WHE12, YLH<sup>+</sup>17]. **Stack** [SSOT17, BADAD<sup>+</sup>08]. **STAIR** [LL14]. **State** [CHL16, SS14, WCXY15, ZWH<sup>+</sup>17, CHHH12, HF05]. **Statistical** [WM16]. **Storage** [AT13, BWV16, BN16, BCQ<sup>+</sup>13, CHA<sup>+</sup>11, CWY<sup>+</sup>15, CSY<sup>+</sup>14, GAADAD17, GR09, GHWK15, Hal16, HA13, HA17, HDW<sup>+</sup>08, HC17, HCO<sup>+</sup>17, HWC12, HZQX13, HCL13, IHHE11, IJK<sup>+</sup>17, KHW<sup>+</sup>16, KSDC14, KMM<sup>+</sup>12, LB14, LKB<sup>+</sup>17, LXNL15, LJFS17, LFJ<sup>+</sup>17, LPG<sup>+</sup>17, MJW<sup>+</sup>14, MHL<sup>+</sup>15, MEK<sup>+</sup>14, PWS17, PP16, QLL17, SBMW17, SSHY16, SSOT17, SSWC14, VDV17, WM16, WQR13, XMRF<sup>+</sup>13, XCK<sup>+</sup>14, YPLG11, YHJ13, ZSW<sup>+</sup>06, ZXJ11, AAADAD12, BLN09, BADAD<sup>+</sup>08, BJD06, CK05, CHLK11, CCB07, DEH<sup>+</sup>08, DRK08, EM05, GGE<sup>+</sup>05, GSL<sup>+</sup>05, HWB<sup>+</sup>06, HBL<sup>+</sup>06, HKC06, HKP09, HM05, JB05, JHZK08, JBLF10, JWK<sup>+</sup>10, KR06, KKZ05, KH10, KAU12, LCZ05, LSZ09, LBOX12, MMR<sup>+</sup>09, MTH<sup>+</sup>08, MRZ<sup>+</sup>09, NDR08, RDCS07, SPADAD05, SGMV09, TZJW08, VMF<sup>+</sup>06, WCR<sup>+</sup>06, YC07]. **Store**



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