A Complete Bibliography of *ACM Transactions on Modeling and Computer Simulation*

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25 August 2021  
Version 1.82

**Title word cross-reference**

1, 2, 3 [SMDS11]. 3 [Pac08]. b [Joh96]. m [MK96, Mat98]. O(1) [TGT05]. q [GDB14].

-Gaussian [GDB14]. -sequence [Mat98]. -sequences [MK96].


623-dimensionally [MN98]. 64-bit [Nis00].


base [ZLK91]. Based [CDS16, CG13, FDP15, GJ13, HYJ21, HERU15, HZF14, JN15, KH19, KW15, LF13, LCT+15, LL15, LCT17, MJV+15, PE11, RL15, SMI15, SP11, SU16, WC16, WCCY19, XLA17, XCA+17, ZS17, ZL17, AZK10, Bli05, Bha05, BÖ96, CTE+19, CTC+05, KCS20, KLF02, LS92, LTT07, LCT07, LL02, LSW91, MK96, PBF+00, PTCL11, PF11, PH21, RTY05, R$\delta$94, RRW00, RD10, TTSM12, TB08, Vor10, ZMM+11, vBBR03, Bha07, RFA00].


BitTorrent-like [LPPP13]. bivariate [Roa08, WW95]. black [FHD09]. blending [QFL+10]. Block [LF13]. blocking [AO95, KC10, RR00, SW96, VaAE02].


Bridging [TTSM12]. broadband [GMOB01]. Brownian [BCM18, IFPM12].


Carlo [DR13, Pe21, DJT17, FS21, FSS95, HHL14b, LDT07, LV00, LG03, XGH12]. Carma [Lor18, GZWG18]. carry [GK03, TLC93]. carrying [GMOB01]. case [CS08, PCT97, SY95].


Chunking [KCS20]. Chunking-based [KCS20]. Circuit [GLC17, EGLW93, SS08].


Cloud/Virtual [YP15]. Clouds [SALS18, Van18]. Cluster [LL15].

Cluster-Based [LL15]. Co [TFR07].

Co-Plot [TFR07]. Codes [CSE21].
D [Pac08]. DAE [vBBR03]. DAE-based [vBBR03]. Data [BMLY19, CTF+19, EH18, FBS20, HT20, HW19, KH19, KW15, KH18, LL20, LHJS17, MD20, San20, SS14, XGH12, ZZZ18, BCD+14, DOD93, FLV01, GBA+14, HBE95, Mat05]. Data-Driven [KH19, ZZZ18, CTF+19, SS14].

Data-intensive [BCD+14]. Database [FS21, Pel21, SSH97]. DDM [PTCL11, RTY05]. Death [BK20].


Declaration [vBBR03]. Decomposition [Tur17, AD92]. decoupling [FDL99].


Deriving [CTI13, NN11]. Design [Ald18, Bee18, FG98, NY12, RL15, AZK10, CHI98, DHM93, GBA+14, RSW00, RFA00, SB01, WCLG10]. Design-time [FG98]. designs [SS05].


different [Ros08, Vak92]. Differential [HSL+19, PB96]. differential-algebraic [PB96]. Differentiation [RLDH16, HVAFPY10]. DiffServ [LBL01].

Diffusion [RMWLP21]. Diffusions [LTM+17]. Digital [EHN94a, Owe03, SG91].

dimension [GH03, GH06, GH09].

Dimensional [SS16, DX03, Owe98]. Dimensionally [LZ20, MN98].


Discrete [An18, BBM16, CVS15, HSL+19, HPA07, HW19, JW19, MJV+15, MST17, NY04, PPT14, PCGM18, PTD+20, QTP20, RAGN19, RMWLP21, SP11, SJY03, Wai15, WYT+20, WMC+18, YP15, And99, BKV04, GLM96, HVAFPY10, HG01, HH95, DOD93, FLV01, GBA+14, HBE95, Mat05].

Data-Driven [KH19, ZZZ18, CTF+19, SS14].

data-intensive [BCD+14]. Database [FS21, Pel21, SSH97]. DDM [PTCL11, RTY05]. Death [BK20].


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different [Ros08, Vak92]. Differential [HSL+19, PB96]. differential-algebraic [PB96]. Differentiation [RLDH16, HVAFPY10]. DiffServ [LBL01].

Diffusion [RMWLP21]. Diffusions [LTM+17]. Digital [EHN94a, Owe03, SG91].

dimension [GH03, GH06, GH09].

Dimensional [SS16, DX03, Owe98]. Dimensionally [LZ20, MN98].


Discrete [An18, BBM16, CVS15, HSL+19, HPA07, HW19, JW19, MJV+15, MST17, NY04, PPT14, PCGM18, PTD+20, QTP20, RAGN19, RMWLP21, SP11, SJY03, Wai15, WYT+20, WMC+18, YP15, And99, BKV04, GLM96, HVAFPY10, HG01, HH95, DOD93, FLV01, GBA+14, HBE95, Mat05].

Data-Driven [KH19, ZZZ18, CTF+19, SS14].

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Declaration [vBBR03]. Decomposition [Tur17, AD92]. decoupling [FDL99].


Deriving [CTI13, NN11]. Design [Ald18, Bee18, FG98, NY12, RL15, AZK10, CHI98, DHM93, GBA+14, RSW00, RFA00, SB01, WCLG10]. Design-time [FG98]. designs [SS05].


different [Ros08, Vak92]. Differential [HSL+19, PB96]. differential-algebraic [PB96]. Differentiation [RLDH16, HVAFPY10]. DiffServ [LBL01].
Dynamical
[FDMS16, GHS18, Par18, BB94, MWM91].

Dynamical-Related [FDMS16].

Dynamics [HWdF13, HW21, MJV+15, PH21, MMRC+08].

Ecosystem [HT20].

Editor [BSV16, GH15a, CY10, CL98, DG10, HHL14a, TR08, Qua20, Wil07].

Editor-in-Chief [Qua20].

Editorial [Ano18, BSV16, Hei97, JW19, MST17, Nic97, Nic04, Qua20, QTP20, TL18, Wai15, FN03, MV02, Bal97]. Effect [PBAB+11, RLDH16, LM94].

EIA [Fla02].

EIA/CDIF [Fla02].

Elastic [SR98, PP13].

Electronic [SS08]. Elements [SLCP01].

Eliminating [LM94].

Emergence [ST15, XVN14].

Emergency [ZMM+11].

Empirical [BP94, HW03, HIG04, FDD05, ICC99, Joh96, LW97b].

Empirically [SS03].

Emulation [ERL15, HYJ+18, JN15, KKT17, LB+18, CFS08].

Enabled [CSRE21].

End [FHD09].

Energy [SFM13].

Enhancing [WY16].

Enhancing [Whi20, WMF04].

Entropy [WZ15, HLC+10, PRO13, Rub02].

Enumeration [WPS13]. Environment [CHIW98, SB01].

Environments [LT14, VVB+20, CKP95, ZCLT04].

Epidemic [BC93, BHL13]. Equi [SFM13].

Equi-Energy [SFM13].

Equidistributed [MN98].

Equine [XVN14].

Equivalence [YS92].

Equivalent [FMN00].

Error [WG16, WG04, HSN94].

Estimate [KSW07, SW96].

Estimates [CK14, NNB11].

Estimating [CMZ18, LC01, HSN94].

Estimation [AGMW17, BLST16, JSD19, LN18, Mat05, VaAE02, WCZ16, YKA+21, AK11, BKM09, DHM93, GAG14, HVA09, HVAPFY10, LCT07, NS06, Owe13, Raa93].

Estimator [GK95].

Estimators [BC13, CN15, CERT15, AAAG06, AAGM10, AG07, Cal09, HIG04, LBGT10].

Evaluating [CDS16, ZG94].

Evaluation [DTCU19, HYJ+18, MRB+18, TL18, ZH19, HD98, HD07, ICC99, PT00, SG91].

Event [BBMK16, BC13, CVS15, HSL+19, HW19, KSL+16, MJV+15, PPT14, PCGM18, PTD+20, RAGN19, RMWL21, SP11, WYT+20, WMC+18, YP15, AK11, BL11, BHL13, BKV04, EK04, EK07, GLM96, HT99, HVAPFY10, HG01, LBGT10, Lin92, MWM91, MH92, MBGF11, MCC11, NOP99, Nic91, NY04, Nut06, Nut08, Pag93, PB96, RS94, SJY03, TGT05, Vak92, YJ96].

Event-Based [MJV+15].

Event-Driven [MWM91, MH92].

Events [RH19, GL05, Hei95, JB00, LDT07, LDF91, Rub02].

Everyone [GDP14].

Evidence [HW03].

Evolution [PBF+00, SC08].

Evolutionary [RGTL12, JC11].

Exact [BW15, DQZ18, DLQ20, HSL+19].

Exact-Differential [HSL+19].

Execution [DJS94, KPG15, PPT14, SALS18, Van18, NH96].

Execution-Driven [DJS94].

Expanded [KSL+16].

Expectation [LF13, STHL13, YKA+21, LG03].

Expectations [AK18, CLL99].

Experiences [NCV06].

Experiment [RL15].

Experimental [Vig16, DHM93].

Experiments [FS17, Nel17, EU14, MKPR98, SWL09, YL96].

Explicit [HW21].
Explicitly [VVB+20]. Exploiting [CN16, KSW07]. Exploration [SU16, Vig16]. Exponential [MJ15, QDZ21, BB99, LX14].


Inhibition [RLDH16]. Inhomogeneous [BK20]. Initial [WG16, AAG06, AGT92].
initialization [MWKA07]. initiating [FK91, Nic91]. inland [ZIC06]. innovations [BHL13]. Input [XNB16, YY17, ZLZ20, BN03, DM06, WW95]. inputs [MR02].
insider [MMRC+08]. insides [CTF+19]. Instability [SKR97]. instruction [MM07].
Integer [HWdF13, Lem19, Qua19, WPS13]. Integer-Ordered [WPS13]. integrals [LX14].
Integrated [HN09, YN15, YN20, Cal07, Cal09, FJS02, LSJ10, SB01]. Integrating [LCL16, ZH19, ZTJB04].
Integration [LBN+18, EK04]. interactions [BHG10, DG10, SF10]. interactive [BCL+97, BCD+14, MWMD07, SSH97, WW95]. interactively [QFL+10]. Interest [LT14].
Interference [WAGP15]. International [LCK11]. Internet [ABGR01, CK08, KHJ+08, Mat05, Nich08]. interoperability [SSH97]. Interpolation [WPS13]. interruptions [DOD93].
Intersection [LCC13]. Interval [HHH+19, Lem19, Qua19, Sin14, PLM94]. Intervals [Nak14, CH04, CLL99, CN12, FG99, IMW00].
Intractable [JKE14]. Introduction [BB19, DR13, EY11, GH15a, HT20, HAA+19, TK21, PW21, CY10, CL98, DG10, HHL14a, L'EO3, TR08, WI07].
Intrusion [PTE+11]. invalidates [FTJ16]. inventory [LI12]. Inverse [HLD07]. inversion [DHL10, HD96, HL03]. Inversive [LW97b, EHG92, EHN94a, Ehm98, Nie94].
invoke [LDF91]. IP [LPM+04]. Irreducible [GH15b]. Issue [Ano18, BSV16, BB19, DR13, GH15a, HT20, JW19, JK21, MST17, PW21, QTP20, TL18, CY10, CL98, DG10, EY11, HHL14a, MV02, TR08, WI07]. issues [SSH97, YJ96].
Jackson [JNO5, KN02, MSM10, NZ07]. Joint [SJS10, WhN20].
Kriging [NY12, QF14, CAN12, CK14]. L [GHG15a]. Ladder [RH19, TGT05].
Language [HWMU17, Hill17, EU14, SRT91, TB08]. Large [CMZ18, CK08, GJ13, HSL+19, LLCC13, PTE+11, WC16, WMC+18, WCL+19, YP18, Bu98, Den05, FG98, LM94, LPM+04, LLH100, MR02, SS05, TGT05, UXC+00, ZLCT04].
Large-Deviation-Based [WC16]. Large-Scale [HSL+19, LLCC13, PTE+11, WMC+18, YP18, CK08, WCL+19, FG98, LM94, LPM+04, LLH100, TGT05, ZLCT04].
Learning-enabled [CSRE21]. Least [SNS16]. lengths [SW96]. Level [GLC17, Hill17, WAGP15, BH10, DOD93, SQ12, SS03, Tuz95, VSCL13, WPN98, WG04].
long-range [GMOB01], lookahead [FK91, JB00], loss [AO95, CHS95, LC01, LV00], low [AG07, BFN92, DOD93, RGTL12, Cal09], low-bias [AG07], low-discrepancy [BFN92, RGTL12], low-level [DOD93], Lyapunov [BGL12].

MAC [BHG10], MAC-layer [BHG10].

Machine [CSRE21, JN15, YP15, RBDH97].

MaD0 [LZW16].

Maintenance [RNS97].

Major [HHFS16].

Making [LSJ10].

Malicious [CTF+19].

Management [LT14, MD20, CTLZ05, DF97, FHD09, KM01, LP91, SQ12, WNFM04, ZLK91].

Managing [RH19].

Manufacturing [NB93].

Manufacturing-Simulation [NB93].

Marine [HHFS16].

Markov [AHO93, BDK+19, Buc98, BHH21, GL05, HHH+19, KW93, MR02, MBGF11, NH95, RK20, RJO4, SCW13].

Markov-reward [GL05].

Markovian [HSN94, Nak94, RDSJ18].

Marsaglia [Bre04, PW95, Vig16].

Marshall [BLST16].

Massive [SSZ+13].

Massively [PCGM18, Vak92, HD98].

Matching [LT14, ZS17, PTCL11, RTY05].

Mathematical [CS08].

Max [Ale17, CS17, KT10].

max-norm [KT10].

maximal [GK03, Rub02].

Maximization [LF13].

Maximum [AGMW17, JKS07].

MAYA [ZJTB04].

MCMC [FFSF13].

Mean [BDK+19, Hic96].

Mean-payoff [BDK+19].

Means [AG16, AAAG06, Raa93, SLW+05].

measure [HVAPFY10, WCLG10].

measure-valued [HVAPFY10].

measurements [BP94, CF11, LH02].

measures [BK10, De 06, HAS94].

Mechanism [LCT+15, CTLZ05].

Mechanisms [LDF91, ABGR01, LL91a, MH92].

Memoization [SSDW18].

Memory [HKP21, PTD+20, TKS16, DF97, FH97, LW97a, LP91, MD20, UNMS97, UXC+00, ZG94].

Mersenne [MN98, Nis00].

Mesoscopic [GZGW18, Lor18].

Message [SDZ+15, WDYR16].

meta [Fla02].

meta-metamodel [Fla02].

Metamodel [XYZ21, TA08, Fla02].

Metamodel-assisted [XYZ21].

Metamodeling [Fla02, KDV+20, SNS16, WCCY19].

Metamodels [YN15, CAN12, DHM93, Fla02].

Method [LCL16, Tur17, YN20, CGN06, DJ11, GH03, GH05, HLC+10, Har94, KT10, Nak94, Nic94, Nut06, FDD05].

methodologies [Fis92, TR08].

Microscopic [AXE+20].

Middleware [PTD+20].

Military [PBAB+11, WPW09].

Minimum [MKPR98].

Minority [CN16].

Misra [SG91]. mission [SB01].

Mitigation [FDMS16].

mixed [LL02, QFL+10].

mixed-signal [LL02].

Mixing [CPQ17].

Mixtures [WZ15, HS12].

MNO [Ale17, CS17]. Mobile [KH19, CSK10].

Mode [PH21].

Mode-switching [PH21].

Model [AP18, CVS15, CTF+19, FDD05, GLC17, HZF14, JS919, KKT17, KPG15, MRB+18, PCGM18, SP11, SSZ+13, WhN20, ZLK91, EK07, FZ92, FSS95, KHH+08, LH02, LS92, LS10, MCC11, NOP99, RWK+07, SF10].

Model-Based [HZF14, CTF+19, LS92].

Model-Driven [CVS15].

Modeling [BSV16, Bar97, BL02, BHG10, BMLY19, BN03, BKV04, BDGP20, DWYM16, FW97, HWMU17, HW21, HII17, HHI11, HM08, KH19, KZ11, LDNA03, LZ20, LPPP13, LHJS17, LDLO4, RMWL21, TKS16, WMC+18, ZL17, ZC18, BAL01, B03].
Neurons [LTM+17]. Newton [Bha07].
Newton-based [Bha07]. node [De 06].
Noise [RLDH16]. Noisy [SCW13]. non 
[HSN94]. non-Markovian [HSN94].
Nonhomogeneous [SDLH12]. Nonlinear 
[EH95, LZW16, EHN94b]. Nonnegativity 
[HHN94, HLC12]. Nonlinear 
[EH95, LZW16, EHN94b]. Nonnegativity 
[HHN94, HLC12].
Nonhomogeneous [SDLH12]. Nonlinear 
[EH95, LZW16, EHN94b]. Nonnegativity 
[HHN94, HLC12]. Nonlinear 
[EH95, LZW16, EHN94b]. Nonnegativity 
[HHN94, HLC12].
Nonstationary [BN09]. nonuniform 
[Bel05]. norm [KT10]. Normalizing 
[DJLZ17]. NORTA [GH03, GH06, GH09].
Note [BSV16, Bre04, CHIW98, Hor94, TT94].
Novel [SSY21, KM01]. November 
[LCK11]. Noxin [CMM+16]. Null 
[WDYR16]. Null-Message [WDYR16].
Number [Bre04, EH95, LZW16, MZ91, 
MZ93, Pet91, AK11, CL98, DX03, EH92, 
Ent98, GK03, Joh96, LBC93, LW97b, MN98, 
MKWA07, PL05, PW95, PJ10, SM12, 
SLF19, TL91, TLC93, Wu01]. Numbers 
[GH93, HLC10, Kaw10, LV00, PG14, RW93, 
SM12, SLF19, TL91, TLC93, Wu01].
Numerical [ZH19, DHL10, HL03]. 
numerically [EK07].

O [JSC01]. object [FG98]. Objective 
[And21, LZ20, CM21, FH18]. Objectives 
[HHH+19]. Observation [JKE14].
Observation-Driven [JKE14]. off [KW93].
Olkin [BLST16]. Omnithermal [Con20].
on-off [KW93]. One [PPT14]. One-Sided 
[PPT14]. Online [LF13, PBB16]. only 
[DHL10]. OOPM [LF99]. OOPM/RT 
[LF99]. open [PK11]. Operational 
[ZMM+11]. Operations 
PBAB+11, RSG21]. Opportunities 
[San20]. Optimal [AZT10, BKM90, LP91, 
HLC+10, Kaw10, LV00, PG14, RW93].
optimism [DF97]. Optimistic 
[CPQ17, CPF99, Nut08, SQ12].
Optimization [And21, BDK+19, CDS16, 
CG13, CM21, GDB14, HKP21, HAA+19, 
LL20, Sch13, WPS13, And99, And06, BL02, 
Bha05, Bha07, BHM11, CSK10, HLC+10, 
HDM03, HN07, HN09, MSK10, PG14, PN03, 
RGTL12, SJY03, XNH10].
Optimization-Based [CD16]. Optimizing 
[ELL00, LLC13, WPW09]. optimizing-simulator [WPW09].
Optimum [Tsur17]. OR/MS [TTSM12].
order [Den05, DHM93, HD02]. Ordered 
[WPS13]. Ordering [Ae17, CS17].
Ordering-Piecewise-Linear [Ae17, CS17].

Packet [FLV01, AZLT10, CHS95]. PADS 
[Ano18, JW19, MSH17, QTP20, LK21].
Pairwise [LLCC13]. PAM [DWYM16].
paradigm [MV02]. Parallel [BC93, 
BMLY19, CTI13, CG02, Ent99, Fuj16, JN15, 
KSL+16, MKG+17, MD20, NH96, PCGM18, 
PTD+20, RAGN19, RH19, SMDS11, SP11, 
UXC+00, WDYR16, WYT+20, WMC+18, 
WCL+19, XCA+17, YP15, ZC18, AO95, 
CPF99, EGLW93, FW97, GH91, GLM96, 
HD98, HF01, LP91, LL91b, Lin92, MWM91, 
Nic91, NH95, RA97, TF0, Vak92, Yan99].
Parallelism [Lin92, SY95]. Parallelization 
[SSZ+13]. Parallelizing [KCS20].
Parameter [RL15, SSDW18, WSC16, YN20, 
BKM09, NC06]. parameterization [LH02].
Parameterized [CKL+13, BKM09].
parameters [KK00]. Parametric 
[BDK+19, LL20]. Parametrized [Tur17].
Parasites [XVN14]. ParaSol [MKPR98].
Pareto [HHH+19]. part [Lev01]. ParTejas 
[MKG+17]. Particle 
[DWYM16, LF13, Sch13]. Particle-Based 
[LF13]. partition [Rub02]. parts [Emm98].
patchwork [SZ99]. path [NBB11, RDSJ18].
Path-ZVA [RDSJ18]. paths [Cal07, Cal09].
patient [MBGF11]. Patterns [GB19].
Pedestrian [GZWG18, Lor18, KZ11]. 
Penalty [HKS19]. Pending [RH19]. 
penantennals [Wu01]. per-application [PRO13]. per-flow [LBL01]. Perfect [Con20, MT06]. Performance [AAGM10, AXE+20, BCL+97, BMLY19, CSRE21, HD98, KM01, LCK11, LCT+15, LN18, MRB+18, MJV+15, Nic91, PT00, BK10, BCD+14, FW97, GP11, HIG04, SKR97, UXC+00, WS04]. period [Doo07, Emm98, GKK03, Lev01].
prespecified [Ros08]. Prevention [PT+11]. primitive [Wu01]. Principles [Wi15, ANO18, JW19, MBL+17, QTP20]. 
priority [RAGN19, TG05]. Probabilistic [ESZH21, GHS18, Par18, RL20, TRK+09, Vor10]. Probabilities [BC13, CMZ18, DM06, JN05, JKS07, RRP00, SW96, VaAE02]. probability [HT99]. probably [Oso09]. Problem [CERT15, AGT92, BG93, HVA09, Kgra96, PS09, PK11, QCO2, WPW09]. Problems [YKA+21, Rub02]. Procedure [GK19, WPH12, BKM09, DHM93, KN01, PN03, Raa93, SWL09, SLW+05, VSS+14]. Procedures [EH21, HAK14, MI19, SN14, DN99, Kim05, SJ03]. Proceedings [LCK11]. 
Product-Form [MRB+18, CO98, SFS95, RW93]. Production [GCB95]. professional [AGG+07]. Profile [CSK10]. 
Profile-driven [CSK10]. Programming [GHS18, LZ20, Par18, XYZ21, CS08, HE12]. 
pseudo [MN98]. pseudo-random [MN98]. Pseudorandom [EH95, LZW16, Nie94].
EHG92, EHN94a, EHN94b, Emm98, Ent98, Joh96, LW97b, Lev01, Mat98, MWKA07, PW95, SM12, SLF14, WM99. public [HVA09]. Purdue [KFL00].


Hil17, KH18, Lor18, Lor19, Par18, Van18].

**Replication** [Ano21, Pel21]. **Report** [Ale17, And21, Ano21, Bee18, Hil17, KH18, Lor18, Lor19, Liic16, Nel17, Par18, Pel21, Qua19, Van18, Van19]. **representation** [FDD05]. **representations** [KC10].

**Resampled** [CN15]. **Research** [Fuj16, HHL14a, RSG21, CY10]. **Resilience** [WAGP15]. **Resilient** [VAB+18].

**Resistance** [XVN14]. **Resource** [LCT+15, TKS16, AZK10, FSS95, ZK10].

**Resources** [BDGP20]. **Response** [WhN20].

**RESTART** [VAVA06]. **restricted** [VSS+14]. **Results** [Ale17, And21, Ano21, Bee18, Hil17, KH18, Lor18, Lor19, Liic16, Nel17, Par18, Pel21, Qua19, Van18].

**retraction** [LDF91]. **Retrospective** [PS09, WPS13].

**Retrospective-approximation** [PS09]. **Reusing** [EH18, FS17, KH18, Nel17].

**Reverse** [GLC17, CPF99]. **Reversed** [BW15].

**Reversible** [PP13, SP11]. **Review** [HHL14b, MKT21, RSG21]. **revolution** [PFH+10]. **reward** [GL05]. **Rewards** [DHK15]. **rid** [WM99].

**Risk** [FDMS16, HHL14b, XLZ17, ZLZ20]. **risks** [MMRC+08]. **RNGs** [Mar03].

**Road** [XCA+17]. **Robust** [HHH+19, LL20, Nel93, PBAB+11].

**robustness** [LBTG10]. **Role** [ZZC18].

**Role-Dependent** [ZZC18]. **rollback** [LL91a, LS91]. **rollback-based** [LS91].

**Root** [RL20, PS09, PK11]. **root-finding** [PS09, PK11].

**routing** [BG93, RRP00]. **RT** [LF99].

**run** [KCK08]. **Rule** [WG16].

**Rules** [Sin14].

**run-variable** [HLC12].

**running** [KFL00].

**Runtime** [HERU15, CSK10].

**safe** [JSC01]. **Sample** [LCT07, CK14, HDM03].

**Sample-based** [LCT07]. **Sampler** [SFM13].

**Samplers** [DJLZ17, AQVA10]. **Samples** [DjWS19].

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**SC’11** [LCK11]. **scalability** [JZTB06].

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**SDEs** [BKM09]. **Search** [Che13, CG13, EH18, ESZH21, HZF14, KH18, WPS13, And99, HN07, LBC93].

**Seattle** [LCK11]. **second** [DHM93].

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81


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