A Bibliography of Publications about Virtual Machines

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Abstract
This bibliography records books and other publications about virtual machines.

Title word cross-reference

$32.95$ [Ano97a]. 5 [ALW15]. $TM$ [Cza00]. $TP$ [LTK17]. $d$ [XDL15]. $HV^2M$
[CBZ+16]. $\omega$ [Arv02]. II [Syr07]. $V^2$ [DG05].

-dienste [WF03].

.NET [Fra06, Fra09, Hee07, Hog06, Hog08, Men03].

/CLI [Fra06, Fra09, Hee07, Hog06, Hog08, Siv07, Wil06]. /dev/random
[ Fer11].
Abstraction [YLH17, Sch09]. Abstractions [BJH+16, MD12, Tsa14, UR15].
Accelerated [SCSL12, SWF16, BHDS09]. Accelerates [Ano03a].
Accelerating [BSSM08, MNS+14, ZLBF14, KKC+16]. Acceleration [DEK+03, PRS16, Wu13, XZZ+16].
Accelerator [GKT17, LKW+17]. Access [KCWH14, KP15, LZW+17, Boz07, CWC+14, CFS+12, MN91, O08, PSC+07].
Accesses [WVT+17]. account [Yel99]. accountability [HBP06].
Accounting [JSHM15, CMP+13, HB08]. Acculock [XXZ13]. accuracy [CEG07, EG03].
Accurate [RRB17, ZDLG17, SK13b, XXZ13]. ACDC [AHK+15]. ACDC-JS [AHK+15].
achieve [ZL13]. Achieving [KMK16, MBK+92]. ACLE [PRB+90]. ACM [ACM90, ACM01b, RM03, ACM04b, AC05c, ACM05d, ACM06a, IE04, Vra05, Cre10b].
Across [JWL+18, TMMVL12]. action [KB17, Siv07]. Activation [RSN+18].
Actor [TCP+17]. actors [GE85, Sub11]. Actra [TLD+89]. Ada [Dom80a, Bak83, GBO87, GR80, Ibs84a, Kam83, Ker88, Ibs84b, SGS92, SM92, Vol90, Wes98, ZEdlP13].
Ada'97 [ACM97]. Adaptable [GIK+99, CGM17]. adaptation [ZBG+05]. adapters [SAB+07].
Algorithm [AAK18, BP99, IW12, ZHL16, GA18, Hog02, JGA+88, LZX+16, MM92, MS17, RGT18, RH17, RT18, TMLL14, Tho68, YLCX17].
Algorithm-Dependent [BP99]. Algorithms [FGLI15, HHK94, KP99, Man15a, SHW+15, AB16, BB12, CRB12, Man18, ME08, MJ03, SGS92, XTB17, YTS14]. aligned [AGIS94]. Alignment [EDS+15]. allocate [LLF+18]. Allocation [CW12, CPST14, Do11, GLBJ18, HKLM17, KRS+17, LLZ18, Man15a, NMG15, PCC+16, VTW16, XSC13, CPST15, dCCDFdO15, DEG+17, EdFG+10, GLLJ16, HMH17, JWH+15, KS18, Mly09, SGV13, ZG13, ZLH+15, ZWC+19].
allocation-site-based [CPST15]. Alternative [MLG+02, vMAT14, SPF+07]. Alto [ACM01b]. AMD64 [Ano14a].
American [Boa90]. among [CDN02, LLF+18, LTZ+14, TtLcC13]. amplifying [DP11]. Analogy [Gai75]. analyses [HB13]. analysing [PV06]. Analysis [ACM05a, BFG+14, HT98, HB17, HWB03, JKK+13, KNT02, LCK11, MM93, NMS+14, Ost94, RI00, SM02, TKG89, WH99, WLS+18, ACM01a, AAH+03, BBM09, BMER14, EMS15, FX06, GP13, GPW03, LTZ+14, MD73, MD74, MSG01, RRB17, SMSB11, TLX17, Wün13, YJZY12, DHPW01]. Analysis-Driven [ACM05a]. analytic [Bar78]. analytics [KB17]. Analyzer [Ano03a, SHLJ13]. Analyzing [CVWL13, PV08]. Android [CXLX15, KLF+15, MMP+12, STY+14, THC+14]. Angeles [ACM06c, IEE84b]. Animated [PCR89]. annealing [RH17]. Annotated [MR04, RSF03]. annotation [ANH00]. annotation-aware [ANH00]. Announcement [Ano00]. Annual [ACM06a, Ano10, IEE85, IEE05, MS91b, Shr89, USE00a, USE01a, USE06, ACM06a]. anomalies [FRM+15]. anomaly [SIK+16]. Ant [AAK18, AP18]. Antfarm [JADAD06a]. Anti [Sta07]. Anti-P2P [Sta07]. Antonio [ACM99, USE01b]. Anwendung [Bec09, Bor01, WF03, Zim06]. Any [WL96, FIF+15]. AOT [WKJ17]. APA [JNR12]. Apache [FRM+15]. apart [LBF12]. API [Ano14c]. APL [Alf91]. applets [Wes98]. Appliance [See10]. Applications [BRX13, AEMWC+12, BSM+12]. Application [AW17, CHW12, cCWS14, Cza00, HMH17, KNT02, KLF+15, LWC+17, MD73, MD74, PCW+16, TB17, AS14, BBS06, IBM88, Int88, IBM96, JJSK+13, JCZZ13, DJJ+06, Kag09, Lia05, LBF12, LLS+08, MRGB91, SE12, SWcCM12, SAGS13, SL00, ZS01, ZBG+05]. application-specific [ZS01]. Application-transparent [AW17]. Applications [Ano99b, Ano03a, BAL15, Boa90, DJS+17, FBL18, HHV+02, HSK17, HC17, IEE05, JW17, NKK+06, Pto13, PY93, SS05, TR88, WLS+18, AS76, AHH91, AC16, AB16, ACT94, ABC+07, BD11, BTLNBF+15, BOF17, DMH18, DBC+00, EF94, EMS15, GH12, GTN+06, GHG+93, HeC14, HKD+13, HSC15, JPT94, KRG+12, LCL14, MCC18, dO12, PTM+15, R+13, RSLAGCLB16, Sch13b, SGG12, SZZ88, TDG+18, WDC10, YGN+06, ZBP05, ZNSL14]. Applicative [AS85a, ABR82, AS85b]. applied [MM92]. Approach [BFG+14, BRX13, CEF17, CLW+14, Cox09, DPCA11, DM75, EMAL17, FPS+02, Jen79, JQGW15, KC16, KAH83, NSJ12, SDD+16, VN06, WJ10, WVT+17, XD17, ZTWM17, BML+13, BHvR05, CGL+08a, CGL+08b, CGL+08c, CBZ+16, GLLJ16, KW13, KKB14, LH13, LU04, MD73, MD74, PSC+07, SENS16, TZK17, XHCL15]. Approaches [BAL15, FMIF18, JK15, TIN09]. Appropriate [ZRS+16]. apps [MMP+12]. April [Ano01b, IEE84a, USE01c]. Arbitration [SKJ+17]. Architectural [DCP+12, JR02, NMHS15, PEC+14, SL12, CFS+12, DLL+16, RVJ+01, WLL+13]. Architecture [BBD+91, BKM87, BDR+12, CAF+91, DAH+12, G+05, Gol73, Gum83, HW93, HSU01, HWCH16, IEE85, KZB+90, Kee77, LMG00, LMG01, LGR14, MSS+15, GCC+16, PK75a, Rev11, SJV+05, SSB03, SN05a, SWF16, SUN99, TR88, TV12, Tur92, Uhl06, WIS+15, ZL18, ZGW+06, ZL18, ZGW+06].
Ano94, Ber86, BR01, CCL+17, CLDA07, DS09, FC98, GDSA+17, GCARPC+01, HIIG16, Hog02, HMS04, IBM88, IJK+06, Jou85, KW80, LW+12, LL14, MS01, MJ93, NOK+85, OJG91, RFBL001, Ros06, SIJPP11, SG09, We02, YTS14, YYPA01, Yur02. Architecture-aware [WIS+15].

Architecture(R) [MBBS13]. Architectures [ACM06b, BN75, EMAL17, EG01, HW93, HHK94, Ian14, PG74, PY93, RD90, BGS13, EM13, PG73, Skr01, YZW+13, ZP14]. Architecture [Dal97]. Area (BFG+14, Fis01]. Arizona [IEE05]. ARM [DN14, DLL+16, GNDB16, MGL+17, ZTWM17]. Aroma [Sur01]. Arquillian [Ame13]. Array [MBK+92, SV15]. Arrivals [KMM13]. Art [BGP00, SGB+16, BDF+03, MDD+08]. Artificial [MR91, TV092, BCM90, KCV11, RK16]. Arts [BB08]. as-a-Service [ESY+17, HPHV17]. aspect [BADM06]. Aspects [Hsu01, Kna93, EF94]. assembler [GBO87]. Assembly [BD01, SVB93, Ber86, Don88, Juo07]. Assembly-Language [SVB93]. assignment [AAM+16, KMT14, WZV+13]. Assisted [CCML12, JSHM15, JAS+15, RTL+18, AJH12, GMK17, ZYZ+18]. Assists [OLZ16]. Association [Sof83]. Assurance [LJZ12, LLW+12]. Assuring [YDW18]. AST [ZLBF14]. asymmetric [CBGM12, KKJL14]. Asynchronous [Cav93, LJJ+11, MM93, SM01, WN17, vLSM01]. Atlanta [USE86, USE00a]. ATMS [CWG00]. atomicity [BHSB14]. attached [Mon97]. Attackers [CL07]. Attacks [SL16, SYB12, TV12, WWL+17, GHD12, VT14, WXW15]. Attestation [ZL16, VT14]. attribute [FS89]. Auction [SZW+16, TVKB16, ZG13, ZLH+15]. auction-based [ZG13]. Auctions [ZH+17]. Auditing [SM90]. aufsetzen [RHM08]. augments [Br98]. August [RM03, IEE96a, IEE97, IEE99, MR91, Ost94, USE93, USE00b, USE02]. Ausfalls [Mar08]. Austin [ACM75, IEE02, IEE03]. Australia [MR91]. Author [DM76]. automata [RGAT18, RT18, TLX17]. automata-based [RGAT18, RT18]. Automated [AD18, ACM05a, Aon03b, BSSS14, HLP+16, FGLI15]. Automatic [MS00, SMES01, SMA+10, Sus76, WML02, ZLZ13, CL17b, MSZ09]. Automating [MJW+06]. Automation [ACM06a]. automaton [Sig89]. autonomic [SWC08, WDCL08]. Autonomous [SC17]. availability [AAF+09, Fu10, LDL+08, MRC+13, YLH14]. Available [Aon03b, GI12, GV13]. avatar [CKT08]. average [LDL14]. avionics [ABC+07]. Avoidance [LYS+18, OG16]. Avoiding [BLRC94]. Award [War11]. Aware [AAK18, BMS16, BL17, CWH+16, CGC16, CWL+15, CYX+17, CHLY18, Do11, EGR15, HC17, HPP15, JJK+11, JQW15, KL14, LMM18, Man16, RG17, SDD+16, TB17, XLL+14, XLJ16, YHL17, ZCG+17, ZWL+18, dSdF16, AO16, AMAB17, ANH00, CD14, DXM+17, DC14W17, Fu10, GLK+12, GA18, HSC15, HC12, IKU15, JNR12, KC16, KBB11, KCS14, KLF+15, LYLY18, LWL16, PFPJ18, RH17, SSB+14a, SSN12, SG12, SZL+14, SK13c, WIS+15, WCC+16a, XCJ+14, YRJ18, ZHHC17, ZWC+19, ZWH+17]. Awareness
[ZHL16, LCL14]. **Azure** [Fab13].

**B** [Req03]. **B5500** [Ham76]. **Back** [KS08b], **backhaul** [MCC18]. **Backup** [ACA16, KRS+17, ZWX16]. **Backup-Sharing** [ACA16]. **bad** [RY10].

**Bahamas** [Ano99b]. **Balanced** [LLW+16], **Balancing** [KS08b]. **Backup-Sharing** [ACA16]. **Bad** [RY10].

**Bahamas** [Ano99b]. **Balanced** [LLW+16], **Balancing** [KS08b]. **Backup-Sharing** [ACA16]. **Bad** [RY10].

**Bahamas** [Ano99b]. **Balanced** [LLW+16], **Balancing** [KS08b]. **Backup-Sharing** [ACA16]. **Bad** [RY10].

**Bandwidth** [LJFS17, YLH17, ZRS+16, BAC15, GLLJ16, LZW+15, WQG15, WXW15]. **Bandwidths** [LMM18]. **Bare** [AGH+16, OSK15, GAH+12]. **Bare-metal** [AGH+16, OSK15, GAH+12].

**Barrier** [Rix08]. **Barriers** [LM99]. **Base** [UOKT84, WH08]. **Based** [AAK18, Bad82, BAL15, CWL12, CHW12, CLW+14, CD12, CDD13, DF96, GGG03, HKM+18, HWHW18, JN15, KP15, KAZS14, LW11, LP14, LCT+15, LW12, LZW+17, MJW+14, MGL+17, OVI+12, PvdS08, Ran02, RWX+12, SJV+05, SHZ+14, SKJ+17, TV12, WB81, WLS+18, YWR+14, YLH17, ZQZ+16, VLSM01, AD18, AAJD+16, Ano96, Ano06a, AB16, ALL06, AMA+11, BD11, BL17, CL17b, CVWL13, CGL+08a, CGL+08b, CGL+08c, CWC+14, CBZ+16, CLcC13, CPST14, CPST15, CV910, CRG16, DP11, DC15, DPCA11, ESY+17, FS89, FLB10, FL13b, GTGB14, GDSA+17, GR15, HOKO14, HWHC16, JW+15, Kag09, Kam13, KS13, KRCH14, KKB14, KDB16, KM13, KJM+07, KJK+13, gKEY13, LMM17, LBL16, LYYY17, LYYY18, LLS+08, LC13, MCC18, MFA+18, Oi05, Oi06, Oi08, PFH+16, PGLG12, QZDJ16, RGAT18, RH17, RT18, SJ14, SS13, SENS16, SG10a, SV17, SV17, SCFP00, Sto07, TT96, TY14, VOG+03, WKT08, WDCLO8, WZ+17, WW77, XZI1, XZZ+16, XWX+17, YC98a, YC98b, YZW+13, YZLQ+14, YLCH17, YBZ+15, ZG13, ZLH+15, ZWHC17, ZAI+16, ZLL+16, dSKO17, vKF13].

**Beneﬁt** [HB14]. **Benefits** [LS15, SIRP17]. **Berkeley** [USE01c]. **Best** [B+07, GHS16, MS17, Sch13a]. **Betreiben** [RHM08]. **Betriebssystem** [CK06a, CK06b, CK06c, CK06d, CK06g, CK06f, CK06i, CK06h, CK06j, CK06k, CK06m, CK06n, CK06o, CK06p, CK06q, CK06t, CK06r, CK06s]. **Betriebssysteme** [WR07, WR08]. **Better** [MW05, Com00].

**Between** [Jen79, KLTT18, ZLHD15, BDJdS02, CL17a, GSW+17, KGS16]. **Beyond** [FPS+02, ACM04a]. **Bias** [Lee16]. **biased** [ABDD+91]. **Big** [GTS+15, MSG14, BOF17, DXM+17]. **Billing** [RB17]. **Bin**
[GR15, SXCL14, XDLS15]. Binary
[KL15, ZFL15, dGG+17, HLW+13, JYW+13, PGLG12, vKF13]. BIND
biogeography-based [ZLL+16], biology [Wün13]. Biopolis [Ano06a]. bird
[VED06, VED07]. Bitcoin [HB14]. BizOps [FBL18]. Black
[NMMP15, VVB13, TZK17, WSVY09]. black-box [TZK17, WSVY09]. Blessing
[Kot10, Kot11]. Block [Sch94b, Sch94a, TLBW12, Zyt94a, Zyt94b, FFBG08, FLCB10, LLE17, TKG89, WF07]. block-device [FFBG08].
block-level [FFBG08]. block-paging [TKG89]. Blockchain
[CQLL18, DMH18]. Blocks [Lam75]. blows [BBTK+17]. Blue
[SSU+12]. board [CGV10]. Bochs [Ano14b]. bodies [AGIS94]. Bolton
[ACM03b]. Book [Ano97a, Fro13].边界 [ZHL16]. Bottom
[UOKT84]. Bottom-up [UOKT84]. bound [JGA+88]. boundary [SBQZ14].
bounded [XHL+13]. Box
[NMMP15, TZK17, VVB13, WSVY09, XHCL15, MNS+14]. branch
[CEG07, EG03, JYW+13, JGA+88, JYW+13, WHC16]. branch-and-bound
[JGA+88]. branch-and-price [WHC16]. branches [KJM+07]. Breadth
[MNS+14]. Breaking [GBK15, Rix08]. breeds [Arm98]. Bridge
[Men03]. Bridging [ACM04b, FL13a, GSW+17]. Brighton [Rix08]. bring
[XKY+11]. Bringing [BDR+12, STS+13]. brokering [TMVL12]. browser
[FIF+15]. BSD [WF03]. Buch [KGG00, Tho08]. buddies [WTL11].
Budget [RB17]. Budget-Driven [RB17]. buffer [JADADO6b]. buffers
[CFG+13]. Bug [Ano97b, Ano15]. Building [AAB+05a, CGM17, DBC+00, DF96,
HWCH16, PEC+14, SJV+05, See10, TSP17, Nie12, SG10b, WH08].
Burstable [WUNK17]. bursts [DP11]. bus [HHPV15]. Buying
[YLN+17, ZHL+15]. buying-based [ZHL+15]. BYOD
[DMG+15]. Bypass
[LHAP06]. Bytecode [MO98]. bytecodes [SUH86].

C [Fra06, Fra09, Hee07, Hog06, Hog08, Wil06, Blu02, CWG00, G+01, Hee07,
Hog06, Hog08, JM08, Men03, Sirv07, Wil06]. C# [G+01]. C/C [Blu02]. CA
[ACM06a, ACM06c, Ano05a, IE88b, IEE93a, USE01c]. Cache
[JQW15, Na16, RHR02, Boz99, JADADO6b, Oi05, RJK16, ZP14]. caches
[BBR94]. Caching [KJL11, MM93, LM99, XWX+17]. Calculations
[Bad87]. Calculus [AVB12, Wat86, Wat87, WK00]. Calif [ACM01b].
California [ACM05a, Ano01b, Ano04b, Ano10, IEE96a, IEE97, IEE09,
USE91, USE99, USE01c, USE02, IEE84a, IEE90a, IEE91, Tho93]. Call
[DEK+03, Lee16, PUL016, PVRR14, SSS+14a]. Call-site [SSS+14a].
calling [HB13, SSS+14a]. calls [VBM12]. Cambridge [IEE93]. Can
[Cox07, GW07, THB06, Sig89]. Canada [ACM06f, SoI83]. CAOS
[Sch86]. Cap [HC17]. Capabilities [TV092, Ame13, AAB+05c, Fit14]. capable
[PST\textsuperscript{+15}]. Capacity [HMH17, WUK\textsuperscript{+18}]. capo [SMSB11]. Capping [HSK17, JKK\textsuperscript{+13}]. Capture [SCFP00, Sur01]. Capture/Replay [SCFP00]. capturing [BKC\textsuperscript{+13}]. Card [Siv04, SUN97, HM01, Req03, JCV99]. cards [GLV99, TLBW12]. carry [Ame13]. carrying [FCG\textsuperscript{+05}]. Cascade [YYL\textsuperscript{+15}]. cascading [HL13]. Case [GGG03, HWB03, Ian14, PK75a, HIIG16, MN03, Sig89, SIRP17, Vit14]. Case-Based [GGG03]. Cases [FG91]. Cassandra [FRM\textsuperscript{+15}]. Catalyst [Ano03a, GMK17]. Categories [Gai75]. causes [FRM\textsuperscript{+15}]. CBase [ZLZ\textsuperscript{+19}]. Cells [DAH\textsuperscript{+12}, cellular [ALW15, Sig89]]. Center [Ano93, Car14, CGC16, DY17, IEE90b, PCC\textsuperscript{+16}, WN17, XWJX15, HUWH14, LZW\textsuperscript{+15}, Man15b, MRM06, MBM09, NTH\textsuperscript{+17}, VOS12, WDCL08, WZ\textsuperscript{+13}, YPLZ17, ZLZ\textsuperscript{+19}, ZWH\textsuperscript{+17}, Car13]. Centers [BB13, CL17a, EGR15, KMM13, LVM16, Man15a, Man16, SB16, YL17, ZHL16, dSdF16, AGH\textsuperscript{+15}, AGH\textsuperscript{+15b}, ATS16, AMAB17, ARMMA18, BB12, FL\textsuperscript{+13}, IKU15, KTB17, LZC\textsuperscript{+16}, PVRR14, RK16, RH17, RT18, RJK\textsuperscript{+17}, WCY\textsuperscript{+17}, WTLS\textsuperscript{+09}]. centralized [Fis91]. Certain [JHS12]. Certified [Khn09, IIPB09]. CeU [SIR\textsuperscript{+17}]. Chain [EMAL17, HJG18, RH17]. Chain-based [RH17]. Chaining [LLW\textsuperscript{+16}, GHM\textsuperscript{+18}]. Chains [JWL\textsuperscript{+18}, KLLT18, NRS92]. Challenges [AFG\textsuperscript{+17}, JW17, Nie12, SG10b, FJKK17, LDDT12, MA10, MA17, PCB\textsuperscript{+18}, TIIN09]. change [ZL13]. Changing [Mac79]. Channel [LGR14, MN03, WXW15]. Channels [Hu90]. Characteristics [SHW\textsuperscript{+15}, CWC\textsuperscript{+14}]. Characterization [AMA\textsuperscript{+14}, CGS06, IEE02, IEE03, ACM06c, RVJ\textsuperscript{+01}]. characterize [LJN\textsuperscript{+00}]. Chatten [Joo06]. Cheat [Rul07]. checking [BHSB14]. checkpoint [BBHL08]. checkpoint/restart [BBHL08]. Checkpointing [ECJ\textsuperscript{+16}, PEL11, SGV12, TSLBYF08, dSOK17]. checkpointing-enabled [SGV12]. Cherub [JCCZ13]. Chicago [ACM05d]. chip [Mon97]. Chips [FRD\textsuperscript{+08}, IEE97, IEE99, IEE96a]. Choices [XDLS15, Ano93]. CICS [R\textsuperscript{+13}]. circuit [Bur02, KKC\textsuperscript{+16}]. Class [LCWB\textsuperscript{+11}, LB98, Pat12, SS17, Won97]. classes [Bor07, Skr01]. classical [SGS92]. Classification [VLZ16, CWC\textsuperscript{+14}]. classification-based [CWC\textsuperscript{+14}]. Cleancache [VTW16]. CLI [ECM01, ECM02, ECM05, ECM06, Int06b, Int06c, Int06a, Fra06, Fra09, Hec07, Hog06, Hog08, Siv07, SNS03, Vog03, Wil06]. CLI-based [Vog03]. Client [RSW\textsuperscript{+06}, DPW\textsuperscript{+09}, HIIG16]. CLIP7 [Lau87]. Cloning [LCWB\textsuperscript{+11}]. Closing [ZLHD15]. Cloud [ASSB18, BB13, BHEP14, CWL12, CPKL17, CFM17, CPS17, DKW15, FBL18, GLS15, GSW\textsuperscript{+17}, HM17, HKLM17, JE12, JQWG15, JW17, KC16, KMM13, KAZS14, LCWB\textsuperscript{+11}, LGR14, LGJ\textsuperscript{+18}, LW12, LS15, MSG14, Man15a, Man16, Man18, MJW\textsuperscript{+14}, MPA\textsuperscript{+18}, NSJ12, PCW\textsuperscript{+16}, PXG\textsuperscript{+17}, PS16, PCC\textsuperscript{+16}, RSNK17, RSGG15, RWX\textsuperscript{+12}, SL14, Sar16, SJS\textsuperscript{+17}, SC18, SZ\textsuperscript{+16}, SV13, SXCL14, TB17, TVKB16, TMMVL12, WVT\textsuperscript{+17}, WUNK17, WUK\textsuperscript{+18}, WLS\textsuperscript{+18}, XSC13, XWJX15, XLL\textsuperscript{+14}, XLJ16, YLN\textsuperscript{+17}, YP15,
Combining [BPP+17, RSLAGCLB16, YJZY12]. COMMA [ZNSL14].

Commandos [MC93]. Commodity [RTL+18, Ros99, ZTWMA17, BK14, CGL+08a, CGL+08b, CGL+08c, CLDA07, TLBW12]. Common [CK87, Cro93, Int05a, Int05b, Int06a, ECM01, ECM02, ECM05, ECM06, Int06b, Int06c, Int06a, MR04, PW03, RSF03]. communicating [SK13c].

Communication [CL17a, CK06b, CK06e, DJ77, HW15, Jen79, RLZ+16, YC98a, YC98b, BML+13, DSC+08, DJ76, GI12, Tho93]. Communications [NKK+06, CFVP12, HSC15, MN91].

Communicating [SK13c]. Communicating [CL17a, CK06b, CK06e, DJ77, HW15, Jen79, RLZ+16, YC98a, YC98b, BML+13, DSC+08, DJ76, GI12, Tho93].

Communications [NKK+06, CFVP12, HSC15, MN91].

Community [AAB+05a]. compaction [WK08].

Community [AAB+05a]. Compacting [Gal11]. Comparison [Do11, EDS+15, Ng01a, Ng01b, QNC07, AA06]. Compatible [ZFL15].


Comparison [Do11, EDS+15, Ng01a, Ng01b, QNC07, AA06]. Compatible [ZFL15].

Comparison [Do11, EDS+15, Ng01a, Ng01b, QNC07, AA06]. Compatible [ZFL15].

Comparison [Do11, EDS+15, Ng01a, Ng01b, QNC07, AA06]. Compatible [ZFL15].

Compatibility [SSH17, Bod88, FS08, GLK+12, Sub08].

Comparative [CRZH15]. Comparative [BFG+14]. Compilation [ACM06b, Cla97, FM90, JK13, KS13]. Compiler [GFH82, Har77, FS89]. Compiling [BS90, BSUH87, Ode87, Wak99]. Complete [Bod10, Fis09, LJN+00, RRB17, War02].

Completely [Bod10, Fis09, LJN+00, RRB17, War02]. compression [JDW+14].


Computational [THLK10, Wun13, YQZ14]. Computations [Kra90, NOR15].

Computing [ACM98, ACM04b, ACM05b, ACM06e, Abr80, BHEP14, CWL12, CPKL17, CFM17, DDS+94, DPCA11, Gei02, IEE96b, IEE04, IEE06a, KC16, KGZ+04, LCK11, LW12, MSG14, MO98, NSJ12, PCW+16, PXG+17, PS16, RCM+12, RSNK17, RSN+18, SCSSL12, SZW+16, SEF+06, TLC06, USE93, Vog03, WB81, XSC13, YLN+17, ZL16, ZZW06, ZAI+16, Ano96, AMa+14, ARMA18, BS96, CD14, CDM+10, DQR+13, DCMW17, Fis91, FF96, Fro13, Fu10, GLA+08, JPTHE94, KHL17, KSO+15, LBZ+11, LLW+12, LZC+16, LCL14, LTZ+14, LP11, LPBB+18, MNA16, McG72, McK11, MUKX06, M+06, MA17, NIA18, PSZ+07, QZJD16, RGAT18, RQD+17, Rob06, SJW+13, SAS13, SB10, TMLLL4, WH08, XTB17, YRJ18, ZLZ13, ZWHC17].

concurrency-safe [CFS+12]. Concurrent [GMP99, Har77, KD78, IT86, WK08, YWGH13]. Conditioned [WC01].

Conference [ACM81, ACM90, ACM96, ACM97, ACM00, ACM01b, ACM04b, ACM05d, ACM06a, ACM06b, ACM06f, Ano93, Ano99b, Ano01a, Ano02, Ano04a, Ano06a, BW03, DC15, IEE84b, IEE93a, IEE05, LCK11, Mar81, MS91b, MR91, Sof83, SS05, Shr89, USE99, USE00a, USE01a, USE01b, USE06, ACM05c, ACM06e, IEE06b, JPTE94, USE85, USE86, ACM00, IEE85].

Configurable [WJGA12]. Configuration [BRX13, Lar09, A+04, FL13b, SMA+10]. configurations [LDL+08]. configure [Car14]. Configuring [AL05, Rul07]. confirmation [OG16].


Connected [SMES01, MS00]. connection [MJ93, Tur84, TR88].


consistency [FRM+15]. Consistent [DJS+17]. Consolidated [HJ17, HPP15, JJKJ14, OL13, SS13, ZLL+16]. Consolidation [AAK18, BB13, LVM16, PZJ+07, SBK15, AGH+15b, ATS16, AMAB17, AP18, BB12, BB15, CD14, Fro13, HMH17, HZZ+14, gKEY13, KCV11, LZZ+16, LBL16, LYY+17, LYY+18, LWW18, LL14, LDDT12, Man15b, NTH+17, RT18, R+02, SEN16, SN12, WCC+16a, YRJ18, ZLCZ18]. consolidation-aware [WCC+16a]. constituent [RHR02]. Constrained [EGR15, LTE12]. Constraint [LFBB94, DQJ+15, LYY+18].

constraint-based [LYY+18]. Constraints [BB13, KKS12, SZ13].

Constructing [DM93]. Consumption [DSM14, HKM+18, MV16, FFB+00, DPBK16, RJK16, THG+18, VED07].

Container [SPF+07, YLT+17, ZLW18, SG10a, Str13]. Container-Based [YLT+17, SPF+07]. Containerization [HSL17]. Containerized [HSL17].

containers [Ros14]. Containment [CLW+14]. Content [CWH+16, FLZ17, LYS+18, GVI13, LL+18, LWW18]. Contention [JQWG15]. Contention-Aware [JQWG15]. contents [BTLNB+15]. Context [DMG+15, TMV12, vLSM01, HB13, SSB+14a, SM01]. Continuous [DL93, TSLBYF08]. Continuum [Bad87]. Contraction [Par79]. Control [AGLM91, Att79, CL16b, HHC+16, LZZ+15, PSBG11a, RSNK17, RSN+18, Sch94b, Sch94a, SDD+16, Sur01, WJ10, WUK+18, WN17, WSAJ13, Zyt94a, Zyt94b, AS76, BKH+06, FP14, HB08, Kis08, KKS12, Lia05, PSZ+07, PSBG11b, PSC+07, STS+13, ZBG+05, ZSW+06]. Control-Flow [WJ10].


coordinating [ZNSL14]. Coordination [ABV12, CRG16, Tho93]. COOTS [USE99].
Copley [USE01a]. Coprocessor [LRZ16]. Copy [AGJS16, HDG09].
copying [PV08]. CORBA [GCARPC 01]. Core
[RTL+18, CMP+07, DQR+13, KW13, PNT12, SK13b, YTS14].
Corfu [DJS+17]. Corner [Sch94b, Sch94a]. correct
[DM93, IM75, Kou11]. Correction [Lee16]. Correspondence [BDJdS02].
Cosmology [Nel04]. Cost [AMH+16, HKM+18, Dre08, KJM+07, LBZ+11,
OMB+15, SJRS+13, WCY+17, YRJ18, ZLZ15]. cost-aware [YRJ18].
cost-efficient [OMB+15]. Costs [ZHW+17, FLL+13]. count [XWX+17].
counter [NB11]. Counteracting [VT14]. Coupled [KN17]. course
[AL05, Don88]. courses [BBS06, GD08]. Cover [Arm98]. Coverage
[CSS+16]. Coverage-directed [CSS+16]. covert [XWX15]. CPU
[BSSS14, HB08, JGW+11, Kam13, LWC+17, Skr01, SK13c, WGLL13].
crash [KY16]. create [Fit14]. creation [CK06b, CK06e]. Credit [KP15, KCS14].
Credit-Based [KP15]. crisis [AT16]. criteria [ATS16]. Critical
[ANO15]. Criticality [WLMD16, LWM14]. Crop [UBF+98, BDF+98].
Cross [GSS+18, JR02, JXL+12, SWF16, WLW+15, WCC16b, AWR05, BKC+13,
Cross-ISA [WLW+15, WCC16b, CWH+14]. Cross-Language [GSS+18].
Cross-Platform [JXL+12]. cross-run [AWR05]. cross-thread [BKC+13].
Crosscut [CLG+10]. CrossOver [ANO3b]. cryptographic [QZDJ16].
[Cre08a, Cre08b, Cre09, Cre10b, Cre10a]. CUDA [MGL+17, PRS16].
Current [AH12, RG05]. Curse [HB14, Kot10, Kot11]. Customer [PPO14].
Customer-oriented [PPO14]. Customizable [LJFS17]. Customization
[PCC+16, CGV10]. customized [HB13]. CVM [DSC+08]. CyberGuarder
[LLW+12].

DADTA [ZLCZ18]. DAI [AKK+07]. damn [B+07]. Dana [ANO10].
Dancing [DLX+17]. Dark [Fer11]. Darling [MR91]. Dartmouth
[Lee86].
Dartmouth-Smalltalk [Lee86]. Data
[BFW75, BB13, CL17a, CGC16, DY17, EGR15, FL13a, GTS+15, IEE84b,
KP15, LMM18, LVM16, Man15a, Man16, Nel04, PCC+16, SB16, UVL+13,
WN17, We94, XWJX15, YLH17, ZHL16, dSdF16, AKK+07, AGH+15b,
AGH+15a, ATS16, AMAB17, ARMA18, BK14, BB12, BDE+03, BOF17,
CKR17, CFS+12, Cla05, DXM+17, FLL+13, GE85, GH91a, HN08, HUWH14,
IK15, KT517, KJJ+16, KSLA08, KB17, LDK14, LZW+15, LZZ+16,
Man15b, MRM06, MBM09, NTH+17, PVR14, PRB07, RK16, RH17, RT18,
RJK+17, She91, TSLBYF08, VOS12, WKJ17, WDC08, WZV+13, WCY+17,
Wol9, WTLS+09, WCG14, XXZ13, YPLZ17, ZLZ+19, ZWH+17]. data-flow
[GE85]. data-parallel [She91]. Database
[WK90, BBS06, CSSS11, ECAE13, MN91, MRC+13, PTM+15, SI81, SMA+10].
databases [GDSA+17]. Datacenter
[BBM+15, KGGS17, BCP+08, GTGB14, MSG+12, SG10b, ZLZ15, ZWC+14].

**Datacenter-scale** [MSG+12]. *Datacenters*

[JWL+18, KL14, LGJ+18, SC17, SC18, GLLJ16, LPBB+18, WRS13].

**Dataflow** [HT98]. *Datapath* [TSP17]. *Dataplane* [BPP+17, DBT [KS13], DCN [CYX+17], DDG [PGLG12], DDG-based [PGLG12], de-duplication [CLC13], de-facto [Rus08]. dead [SK13a].

deadline [DQLW15]. deadlocks [PRB07]. Death [NOT+17]. Debian [CK06a, CK06b, CK06q, Bau06a, CK06a, CK06b]. Debues [Ano03b].

Debugger [MZG14, RB01, Sun99, But94, HH05]. Debugging [ACM05a, FS12, HHH04, Cia07, JHE14, KM13, KK79, PMC05]. December [ACM05b, HHK94, IEE05, M+06].

Decision [CHW12, DJ17, SC17, DJ76].


**deep** [GKT17, HcC14]. defending [CVWL13]. Defensive [BDJdS02, Coh97]. Defined [AFG+17, CL17a, CPKL17, JN15, LLW+16, ZKWH17, ALW15, HHSG18, LJR12, LWL16].

Defining [DL89, Hir17, Lot91, BMWB86]. Definition [Dom80b, SSB14b, SMO84, EMS15, SSB01]. Declarative [Oak14, Chi08].

**Deduplication** [MJW+14].

deep [GKT17, HcC14]. defending [CVWL13]. Defensive [BDJdS02, Coh97]. Defined [AFG+17, CL17a, CPKL17, JN15, LLW+16, ZKWH17, ALW15, HHSG18, LJR12, LWL16].

Defining [DL89, Hir17, Lot91, BMWB86]. Definition [Dom80b, SSB14b, SMO84, EMS15, SSB01]. Declarative [Oak14, Chi08].

Deduplication-Based [MJW+14].

**deep** [GKT17, HcC14]. defending [CVWL13]. Defensive [BDJdS02, Coh97]. Defined [AFG+17, CL17a, CPKL17, JN15, LLW+16, ZKWH17, ALW15, HHSG18, LJR12, LWL16].

Defining [DL89, Hir17, Lot91, BMWB86]. Definition [Dom80b, SSB14b, SMO84, EMS15, SSB01]. Declarative [Oak14, Chi08].

**deep** [GKT17, HcC14]. defending [CVWL13]. Defensive [BDJdS02, Coh97]. Defined [AFG+17, CL17a, CPKL17, JN15, LLW+16, ZKWH17, ALW15, HHSG18, LJR12, LWL16].

Defining [DL89, Hir17, Lot91, BMWB86]. Definition [Dom80b, SSB14b, SMO84, EMS15, SSB01]. Declarative [Oak14, Chi08].

**Delay** [RSNK17, RKRK17, WCY+17, ZRS+16, LCL14]. Delay-cost [WCY+17].

delay-sensitive [LCL14]. Delivery [FLZ17, TFDLeC15]. delta [SHTE11].

Demand [CWLI2, KKJ+13, MSS+15, SC18, SEF+06, ZZF06, DEG+17, J+05, JCGZ13, LZW+15, SGV13]. Demand-based [KKJ+13, SGV13].

Denelcor [Dun86]. denotational [Arv02]. Denver [USE00b].


deployed [RY10]. Deploying [KLTL18, R17]. deployment [AAB+05b, Bor07, CGV10, SASG13, ZLZ13, ZLY+12, ZBS+15]. derivation [MSZ09]. Derivative [Pfo13]. derived [Int06c]. Deriving [HWB03].

Design [ACM06a, AC16, AN03a, AN03b, fLtwN14, ACA16, BGS98, CPS17, Clo85, DAH+12, Das91, Dom80a, DLS+01, ESY+17, GFB+92, JNR12, JJ02, KGGS17, Kutt92, LH16, Mar08, OH05, PCW+16, SIR+17, SGGB99, SGGB00, SM02, Sur01, WC01, WCSSG05, WP97, XJC+14, ZSXZ07, ZL18, ZAI+16, AM16, Blu02, BT15, Bur02, CARB10, Car14, DN14, DCA04, DNR06, GR80, HH05, HH13, Les74, Lia05, MSC92, Oi05, PMC05, Pul91, SI81, SNV10, SMB11, SJW+13, Tar84, CMP+07].

Designed [HS06, WU13]. Designing [Par79, TGCFC08]. DesignJet [MSCK92]. Designs [DMS02, RGSJ17].

Desktop [ANO3b, BWD+15, KGG00, CCWY05, SWW+18, WH05].

Desktopping [JKB15]. desktops [KKJL14]. Destruction [NOT+17].

Detecting [CL14, JKDC05, TV12, CWDo+06, LRC05]. Detection [CWS12, CLW+14, JHS12, AD18, AMA+11, FLM+08, MA17, PBYH+08, SIK+16, WCIG14, XXZ13]. detection/prevention [MA17]. detectors [LMJ07]. Determined [BP99]. Determining [ZRS+16]. Deterministic
developers [SS17, Wil06]. Developing [HZZ+14, PCR89, R+13].
Dynamically \cite{MZG14, BLRC94, BDT13, FC98, HH13}.

dynamically-linked \cite{FC98}.

Dynamics \cite{YWCF15, ACT94}.

E-Mail \cite{Joo06}. e-Science \cite{SGV12}. e-server \cite{A04}.

Eagle \cite{KS18}.

early \cite{HLW+13}. early-exit \cite{HLW+13}. Ease \cite{Par79}. eBay \cite{Joo06}. ECMA-335 \cite{ECM01, ECM02, ECM05, ECM06}.

ecological \cite{KSSG16}.

Economic \cite{FBL18, CSV15}.

ecosystem \cite{DMH18}.

Edge \cite{BBM+15, CPS17, Cre10b, RSNK17, RSN+18, Sar16, Cre10a, MPA+18}.

edge-intelligence \cite{MPA+18}.

Edition \cite{KGG00, LYBB14}.

Editorial \cite{Sed07}.

Editors \cite{FDF05, KS08b}.

EDSAC \cite{CK96}.

Education \cite{ACM06d, AJD09, DG05, GLA+08, HMS04, DTW07}.

educational \cite{WDSW01}.

Effective \cite{LIW11, LWC+17, WUK+18, Sto07, WKJ15}.

Effectively \cite{UR15}.

effectiveness \cite{Man15b}.

effects \cite{KCV11}.

Eficcient \cite{BHDS09, BKH+06, CWL12, CWH+14, CGV10, CHPY17, DMR10, ECJ+16, EG01, GHS17, HB13, JGSE13, KJL11, LM99, MBBS13, NTH+17, ORPS09, PP16, PCC+16, RSF+15, SHZ+14, TLX17, WLW+15, WCC+16, WCC+16a, WLW+15, WHD+16, WXW+17, YSH+17, YP15, AAM+16, AMABI7, HV05, BB12, BB15, BRLD10, BHSB14, BDE+03, Car14, CGM17, CFS+12, DQLW15, DCP+12, EGKPO2, FM90, HM18, HMH17, IKM+13, KMT+14, LLLE+17, LZA+16, NTH+17, OMB+15, PEL11, RT18, RZ14, SENSI6, SJRS+13, SSN12, SGV12, SYMA17, SLA+16, SHTE11, WKJ15, XXZ+13, YPLZ17, YLK+10, ZMW16, ZL13, ZLCZ+18].

Efficiently \cite{CW+15, EJGSI5, BKC+13].

Eighth \cite{IEE01}.

Einem \cite{See08a}.

Einführung \cite{ZIM05}.

Einsatzmöglicherkeiten \cite{ZIM05}.

Einsatzszenarien \cite{SCH13a}.

Elastic \cite{KSO+15, LPBB+18}.

Elasticity \cite{GLS15, OSK15}.

electricity \cite{LBZ+11}.

Electronic \cite{MSCK92, ZR06}.

electronics \cite{BB08}.

Elektronische \cite{MAR08}.

ELI \cite{GAH+12}.

elimination \cite{VED07}.

elliptic \cite{AGIS94}.

Elm\cite{AEE01}.

em88110 \cite{VdLFC97}.

embeddable \cite{WEB10}.

Embedded \cite{BH15, DEK+03, KUT92, MON97, NKK+06, SMK02, WLW+15, AH12, CAOA00, CT03, CGV10, HK07, IVE03, KKC+16, LTK17, MBBS13, RJK16, RMB02}.

Embedded-System \cite{KUT92}.

Embedding \cite{AML16, BL17, OM3+15, YLH17, AO16, BCC+15, CRB12, EMI13, JK15, KKM+13, NTH+17, SLZ+14, WHC16}.

EMF \cite{WIPD12}.

emulate \cite{tTR82}.

emulated \cite{THC+14}.

emulating \cite{VdLFC97}.

Emulation \cite{ANO03a, BKMM87, JN15, KKK17, BB08, CWH+14, GD08, KAM13, YJZY12, BRO89}.

emulations \cite{BOD88}.

Emulator \cite{ANO14b, BRU07, CFH+79, CFW+80, COS11, MZG14, WCC16b, BAR06, KSS13, LES74, SHEO2}. 

Emulators \cite{ERT03, HC+16, ERT05}.

Enable \cite{XU17}. enabled
[DMH18, SGV12, VOS12]. **enabler** [DPW+09]. **Enabling** [HD16, KMK10, NOT+17, OVI+12, TY14, WHD+16, LSS04]. **encoding** [BDE+03]. **Encrypted** [HB17]. **Encrypting** [Pro00]. **End** [Ram93, SS17].

**end-users** [SS17]. **Energy** [AAK18, BWD+15, CWL12, DMR10, DQLV15, Do11, DCMW17, EGR15, FLZ17, HKM+18, JJK+11, KC16, KDB16, KCS14, KL14, LMM18, LZZ+16, LYY18, LGJ+18, OBSR16, RK16, RH17, SYMA17, SZZ+14, YLK+10, YR18, ZWC+19, ZHL16, AMAB17, ARMM18, BAC15, BB12, BB15, BRdM10, CD14, DP11, DXX+17, FFB+00, GLK+12, GTO+06, HM18, JWH+15, KMT14, KTB17, DPBK16, NTH+17, dOL12, PVR14, RP07, RT18, SENS16, THG+18, VW08, YPLZ17, ZLCZ18]. **Energy-Aware** [AAK18, Do11, EGR15, LMM18, DCMW17, KC16, LYY18, RH17, SZZ+14, ZWC+19, CD14, DXX+17, GLK+12, KCS14]. **Energy-Awareness** [ZHL16]. **Energy-credit** [KCS14]. **Energy-Efficient** [DMR10, LZZ+16, SYMA17, YLK+10, BB15, BRdM10, HM18, NTH+17, YPLZ17]. **Energy-Oriented** [BWD+15]. **Enforcement** [LJFS17, NMM15]. **Enforcing** [KCS12, WZZ].

**'Engine** [Wal10, GLV+09, MO98, GLV+10, J+05, MIZ+05]. **Engineering** [IEE84b, ACM01a, MzG2, WZV+13]. **Enhance** [GLS15]. **enhancement** [DXX+17, KSS]. 

**ENIAC** [ZR06]. **Enlightened** [AGJS16]. **ensemble** [RGAT18]. **ensuring** [Req03]. **Enterprise** [ADG+92, FPR+06, G+06, LVM16, Holo8, NS07, WH05, Ano03a, Goli11]. **enthüllt** [Joo06]. **Entrepreneur** [War11]. **Entropia** [CCWY05]. **Entropy** [TV092]. **Entropy-Driven** [TV092]. **enumeration** [SSH17]. **Environment** [BGM70, CL16b, GIK+99, Gen86, GGG03, HW93, IEE06a, J+05, JADA06a, LWC+17, LW12, Mac79, RT93, TMV12, XSC13, AAB+05b, BH13, CLDA07, CWG00, Don87, GD08, GMR93, Holo9, HL13, JWH+15, JXZ+10, JADA06b, KW13, McG72, MST+05, MPF+06, RGAT18, TMLL14, TT93, Van06, WLL+13, XZZ+16, ZBP05, ZLLL13]. **Environments** [ACM05d, ACM06f, CWL12, GKXK13, HWH10, HKK13, KGZ+04, RGSJ17, SV13, ZZF06, ATS14, BBC+15, BRdM10, BDK+08, CFVP12, DP11, DEG+17, FMIF18, GMK17, HOK04, HC12, KSO+15, KKK14, PSZ+07, SJW+13, SVG12, TRG13, VDO14, WWL13, XHL+13, YLK+10]. **Ephemeral** [WHS+16]. **equivalent** [TLX17]. **Erlang** [TCP+17]. **Error** [XH16, XHL+13]. **Ersatz** [Hin08]. **erstellen** [Zim06]. **Erstellung** [See08a]. **ESA** [Fis91, Gh91a, IBM94, MSS91, OJG91, SNC91]. **ESA/390** [OJG91]. **ESA/XC** [GH91a]. **eServer** [R+02, G+05]. **ESPRIT** [RD90]. **Essentials** [SNS03, MBM09, VSC+10]. **Estimation** [DSM14, HSK17, KSSG16, OBSR16, LBL16, MPA+18]. **ESX** [AAH+03, D+04, MHH+05, OH05, Rul07, R+02, Zim05, Holo8, MBM09, Wal02]. **ESXi** [GBK09]. **ET6** [Pul91]. **ET6/1** [Pul91]. **Ethereum** [Hir17]. **Eucalyptus** [AMA+14]. **European** [ACM04a]. **EUROTRA** [Pul91]. **Evaluating** [De 06, GLK+12, HW93, RCM+12]. **Evaluation** [AD11, CFH+79, CFH+80, DAH+12, HD12, KD78, PZW+07, SHB+03].
SHTE11, TFtLeC15, VMBM12, ACM06c, ALW15, DSSP06, FSH+13, GE85, Kao17, MCC18, Man18, VW08, WKT08, WWH+17, YZW+13, Hin08.

evaluations [SJW+13]. Event [DLX+17, MV16, YP15]. Event-driven [DLX+17], events [LC13]. everywhere [Tre05]. Eviction [AGJS16]. Evil [HCJ07].

Evolution [HH79, Kim84, SLM89, SL16, AGSS10, CD01, GBCW00, Kro09, WIDP12]. Evolutions [BAL15]. evolving [Ano96, FF96]. examination [HN08].

Examining [NL00]. exceeding [GHS16]. Exception [Sal92]. Exceptionization [YKM17]. exceptions [Ven97b]. exclusion [SGS92]. executable [MP01]. executables [AD18].

executing [ACT94, Lot91]. Execution [ACM05d, ACM06f, HWB03, KGZ+04, LWC+17, MM93, MO98, PY93, RT93, SV13, vLSM01, AS76, AAB+05b, BFC02, BDK+08, CLDA07, Fre05, GCARP+01, GK05, MMP+12, OIJ91, SM01, TT93, ZL13].


Experience [San88, RM03, CARB10, CBLFD12, PBAM17, RSC+15, TGCFO8]. Experiences [NV05, SCD90, Tsa14, CMP+07]. Experimental [Bro89, ACM06c, FSH+13, HLI3, SS72]. Experimenting [Taf11].


explorative [AHK+15]. explore [Fit14]. Exploring [SE12, SlDLb15, YBZ+15]. Expo [Ano06a]. Express [Ng01a, Ng01b].

Expression [Cox07, Cox09, Cox10, Cox12, Wat86, Wat87, Tho68]. Expressions [KP99]. Extended [DC15, Gum83, MT16, MT17, IBM88].

Extending [CT03, DLM+06, PTHH14, YTY00]. Extensible [FLCB10, TSP17, DCA04, YZY12]. extension [DCP+12]. Extensions [Fis01, SCP93]. EXTERIOR [FL13b]. External [AA18, FL13b].

extraction [WML02]. ExtraV [LKY+17]. ExtraVirt [LRc05]. extreme [NOR15]. EXUS [SKC73].


Failure-aware [Fu10, ZWH+17]. Failures [YYL+15, PBYH+08]. Fair [CL15, GLLJ16, HSN17a, RZ14]. FairGV [HSN17a]. Fairness [SKJ+17].

Falle [Mar08]. familiarized [Ame13]. Farms [Do11]. Fast [CSS+13, CLW+14, Cox07, CHPY17, HSN17a, Kou11, NOT+17, PEL11, ZLW+14, ZFY18, ZLZ+19, KMMV14, KJLY15, MSZ09, SK13b, SV15].

Fast-Spreading [CLW+14]. FastDesk [SWW+18]. FAST [D+04]. Fault [FK03, JKJ+10, Kim84, YWR+14, YYL+15, ZJXL11, SNV10, YLH14].

Fault-Tolerant [FK03, Kim84, YWR+14, SNV10]. faults [LRC05]. FCP
[SAB+07]. Fe [ACM00]. feather [YGN+06]. feather-weight [YGN+06]. feature [Bag76]. Features [Gal11, Bau06b, Bau06a, IT86]. featuring [Wil06]. February [Ano10, USE01b]. federated [AO16, CFVP12, dCCDFdO15]. federation [LWLL16]. Fedora [HH08]. feedback [NG13, ZBG+05]. feedback-control [ZBG+05].


Framework [DY17, GH91b, JXL+12, KCWH14, KAJW93, LWW10, MGL+17, PXG+17, PST+15, SZW+16, TMV12, XWH+16, ZFL15, Ame13, AC16, BB15, BDE+03, CD14, FPGK18, Fre05, JSK+13, Kag09, Kao17, KKM+13, KJJ+16, LLE+17, NB11, PV06, RH17, RSC+15, SJRS+13, SL00, SI+16, STY+14, WHC16, ZWW16, ZS01, ZSR+05]. Frameworks [ZLLW18, AGH+15b, HZZ+14]. France [ACM90, ACM05b, Jou85, JPT94]. Francisco [ACM06a, USE02]. Free [Ano03a, BFX+13]. FreeDOS [WF03]. French [Apr09]. frequency [Kam13, AMAR17]. Friendly [ZBG+05]. Front [Ram93]. Frontier [Sar16]. Frontiers [ACM06c, M+06]. Full [HHC+16, HSL17, MCE+02, Sch13b, SWF16, LLY+18, YKS16].

Full-System [SWF16]. Function [EMAL17, FLZ17, HSL17, JW17, LLW+16, RKRK17, YWL+18, ZKWH17, ALW15, BCC+15]. Functional [ACM90, Dan86, GMP89, Ame13, Wak99, Jou85]. Functions
[DL89, KLLT18, TF16, FJKK17, HHSG18, QZDJ16, GHM+18]. funfte 
[Müh75]. funnel [LMV12]. Fusion [Kis08]. Future [Her06, KS08b, RG05, 
Sup04, AH12, Baut05, NIA18, Ros14, Str13, Yur02, SJPP11]. Fuzzing 
[KLF+15]. Fuzzy [Hu90, LZ15, FLM+08, SENS16]. FWNs [SIJPP11]. 

G [ALW15]. GA [HMH17]. game [FK13, GLLJ16]. games [WKC+09]. 
Gaming [ZQCZ16]. Gap [DGLZ+11, FL13a, GSW+17, ZLHD15]. gaps 
[HUWH14]. Garbage [ADM98, DS16, GTS+15, HPHV17, PBAM17, Sch13a, 
SHB+03, BOF17, DEE+16]. Gast [WF03]. Gast-Systeme [WF03]. 
Gateways [CCO+05]. Gateways [DW14]. gather [Wol99]. GC 
[HHPV15]. GCompris [CK06t, CK06r, CK06s, CK06q]. GCTrees 
[DS16]. GDB [MZG14]. geharteten [See08a]. Geiger [JADAD06b]. 
Gelato [Ano06a]. Gene [SSU+12]. Gene/P [SSU+12]. General 
[GF+92, XWH+16, BDE+03, LSS04, SS72]. General-Purpose 
[GF+92]. Generation [Ano03b, AC98, BDF+99, CF00, GFH82, MZG14, PG74, EL98, 
IIK+06, LLS+12, PG73, Sus76, Web10]. generational [WK08]. generations 
[BOF17]. generator [ABDD+91, EGKP02]. Generators 
[Fra83, GHF83a, GHF83b, WNL+83]. Generic [MM94]. generics [Int06a]. 
Geo [JWL+18]. Geo-Distributed [JWL+18]. geographically [KTB17]. 
Georgia [ACM03b]. Georgia [USE86, USE00a]. German [Joo09, Bec09, 
Bod10, CK06a, CK06b, CK06q, Fis09, Lar09, Sch13a, Spr07, WR07]. 
Germany [RM03, GHH+93, IEE01]. get [Ame13]. gets [Ron07]. Ghost 
[Ar07]. GI [Müh75]. Giants [FS12]. GKLEE [LLS+12]. Global 
[LLW98, Sta97]. GloudSim [DC15]. GNAT [CDG97, MB98, Shi03]. go 
[Cox12, Joo06, DC15]. Goto [Abr80]. GPGPU [TY14]. GPU 
[DS09, GKM17, HSN17a, HSN17b, MNS+14, MGL+17, NMS+14, RSC+15, 
RS16, SCSL12, SIRP17, SKYK16, XML+18, YLWH14, YSS+17]. 
GPU-Accelerated [SCSL12]. GPU-assisted [GMK17]. GPUDirect 
[YWCF15]. GPUs [LLS+12]. GPUvm [SKYK16]. GRACE [M+06]. 
graindient [MM92]. Gradual [RSF+15]. grain [WJGA12]. Grained 
[BSSS+14, CHW12, CDD13, HSK17, RB17, YSS+17, JCZZ+13, PG11, YTS14]. 
granular [FS89]. Grande [ACM01b, DHPW01, GPW03]. 
Grande/ISCOPe [ACM01b]. Granularity [PXG+17, LLS14]. Graph 
[CFM17, CRG16, LKY+17, Syr07, YTS14]. graph-based [CRG16]. graphic 
[Wal76]. graphic-simulator [Ber86]. graphical [Bur02]. Graphics 
[Ano03b, JXL+12, VLZL16, XML+18, ME87, Sus76]. Graphs 
[Lee16, Bod88, PUL016]. gray [WSVY09]. gray-box [WSVY09]. Greedy 
[NMG15]. Green [KL14, LLW+12, LLL2, WZV+13, YLJJ14]. 
Grenoble [ACM05b, JPTE94]. Grid 
[ACM05b, IEO04, SEF+06, TLC06, ZZF06, vLSM01, Rob06, SJW+13, 
SVG12, ZBP05, AKK+07, CCO+05, KGZ+04, LP14, WKT08, ZBP07]. 
Grid-Based [vLSM01]. GridGIS [M+06]. grids
GTN +06, GBCW00, LBZ +11, LLEE17, LM99, LMG00, LDL +08, MUXK06, M +06, MRC +13, RQD +17, SB10, SPF +07, WXW15, WWH +17, ZYZ +18.

High-Assurance [LJZ12]. high-availability [Fu10, LDL +08].

ddM +06, GBCW00, LBZ +11, LLEE17, LM99, LMG00, LDL +08, MUXK06, M +06, MRC +13, RQD +17, SB10, SPF +07, WXW15, WWH +17, ZYZ +18.

High-Assurance [LJZ12]. high-availability [Fu10, LDL +08].

Higher [BD03]. HighLevel [DMS02, RB01]. High-Performance [ACM98, IEE06a, KCWH14, LMG01, SD01, SCSL12, WCC16b, dGG +17, Han16, Hog02, LLEE17, LM99, LMG00, MUXK06, SPF +07, WWH +17, ZYZ +18]. high-performing [GBCW00].

High-Assurance [LJZ12]. high-availability [Fu10, LDL +08].

Histograms [CL14]. History [SKJ +17].


Host [CLW +14, QNC07, LMJ07, TB14]. Host-Based [CLW +14, LMJ07]. Hosted [SVL01, CBLFD12, CKT08, DS09]. hosting [RQD +17]. Hosts [BB13, Bau06c, CLL +13, TtLcC13]. Hot [IEE96a, IEE97, IEE01, BBTK +17].

Hot [IEE96a, IEE97, IEE01, BBTK +17]. Hotel [USE01a]. HotOS [IEE01]. HotOS-VIII [IEE01]. Hotplug [LJL +15]. HotSpot [Sch13a, Arm98, BOF17, HHV +02]. HotSpot™ [RB01]. Houston [ACM06d]. HP [BKMM87, MSC92].

HPC.NET [Vog03]. HPCC [DF96]. HPCS’06 [IEE06a]. HSPT [CLW +14, QNC07, LMJ07, TB14]. Host-Based [CLW +14, LMJ07]. Hosted [SVL01, CBLFD12, CKT08, DS09]. hosting [RQD +17]. Hosts [BB13, Bau06c, CLL +13, TtLcC13]. Hot [IEE96a, IEE97, IEE01, BBTK +17].

Hot [IEE96a, IEE97, IEE01, BBTK +17]. Hotel [USE01a]. HotOS [IEE01]. HotOS-VIII [IEE01]. Hotplug [LJL +15]. HotSpot [Sch13a, Arm98, BOF17, HHV +02]. HotSpot™ [RB01]. Houston [ACM06d]. HP [BKMM87, MSC92].

HPC.NET [Vog03]. HPCC [DF96]. HPCS’06 [IEE06a]. HSPT [CLW +14, QNC07, LMJ07, TB14]. Host-Based [CLW +14, LMJ07]. Hosted [SVL01, CBLFD12, CKT08, DS09]. hosting [RQD +17]. Hosts [BB13, Bau06c, CLL +13, TtLcC13]. Hot [IEE96a, IEE97, IEE01, BBTK +17].

Hot [IEE96a, IEE97, IEE01, BBTK +17]. Hotel [USE01a]. HotOS [IEE01]. HotOS-VIII [IEE01]. Hotplug [LJL +15]. HotSpot [Sch13a, Arm98, BOF17, HHV +02]. HotSpot™ [RB01]. Houston [ACM06d]. HP [BKMM87, MSC92].

HPC.NET [Vog03]. HPCC [DF96]. HPCS’06 [IEE06a]. HSPT [CLW +14, QNC07, LMJ07, TB14]. Host-Based [CLW +14, LMJ07]. Hosted [SVL01, CBLFD12, CKT08, DS09]. hosting [RQD +17]. Hosts [BB13, Bau06c, CLL +13, TtLcC13]. Hot [IEE96a, IEE97, IEE01, BBTK +17].

Hot [IEE96a, IEE97, IEE01, BBTK +17]. Hotel [USE01a]. HotOS [IEE01]. HotOS-VIII [IEE01]. Hotplug [LJL +15]. HotSpot [Sch13a, Arm98, BOF17, HHV +02]. HotSpot™ [RB01]. Houston [ACM06d]. HP [BKMM87, MSC92].

HPC.NET [Vog03]. HPCC [DF96]. HPCS’06 [IEE06a]. HSPT [CLW +14, QNC07, LMJ07, TB14]. Host-Based [CLW +14, LMJ07]. Hosted [SVL01, CBLFD12, CKT08, DS09]. hosting [RQD +17]. Hosts [BB13, Bau06c, CLL +13, TtLcC13]. Hot [IEE96a, IEE97, IEE01, BBTK +17].

Hot [IEE96a, IEE97, IEE01, BBTK +17]. Hotel [USE01a]. HotOS [IEE01]. HotOS-VIII [IEE01]. Hotplug [LJL +15]. HotSpot [Sch13a, Arm98, BOF17, HHV +02]. HotSpot™ [RB01]. Houston [ACM06d]. HP [BKMM87, MSC92].

HPC.NET [Vog03]. HPCC [DF96]. HPCS’06 [IEE06a]. HSPT [CLW +14, QNC07, LMJ07, TB14]. Host-Based [CLW +14, LMJ07]. Hosted [SVL01, CBLFD12, CKT08, DS09]. hosting [RQD +17]. Hosts [BB13, Bau06c, CLL +13, TtLcC13]. Hot [IEE96a, IEE97, IEE01, BBTK +17].

Hot [IEE96a, IEE97, IEE01, BBTK +17]. Hotel [USE01a]. HotOS [IEE01]. HotOS-VIII [IEE01]. Hotplug [LJL +15]. HotSpot [Sch13a, Arm98, BOF17, HHV +02]. HotSpot™ [RB01]. Houston [ACM06d]. HP [BKMM87, MSC92].
[McC08, MJW+06, Nel04, NKK+06, OG16, PP16, XH16, AO16, AMA+14, AA18, BDS+09, Car14, Hal09, HH13, J+05, KRSL10, LLY+18, Low08, dOL12, MR04, PW03, RSF03, Fro13]. **infrastructures**

[FPBK18, LPBB+18]. **Ingers** [KYP+17]. inherently [TDG+18]. **InkTag** [HKD+13]. **Innovation** [ACM03a]. innovations [ABB+15]. input [Wal76]. insider [LC09a]. **Insiderinformationen** [LC09a]. insiders [KSS09, KS10]. **Insights** [Rev11]. **Inspection** [SKI+17]. Installation

[Bec09, Bor01, KGG00, Lar09, WF03, Zim05, Zim06, MIS+05]. **Instance** [EMAL17, KCKC15]. **Instances** [WUNK17, ZG13]. Instant [PWW15, Joo06].

[Instructions] [Qia99]. Instrumentation [ZFL15, BZA12]. Instrumenting [MZG14]. Instruments [BPB86]. integer [Wal76]. integer-reference [YTY00].

[Integrated] [LC09a]. Integrating [ZSR+05]. Interpreter [SMK02, Ber86, KMMV14]. interpret/graphicsimulator [Ber86]. Interpreters
PRB07, RJK16, RSW91, SKC73, SMO84, Taf11, Tai98, WCG14, WWH+17.

Language-independent [PFH+16], language-level [WCG14]. Languages [BS90, Dan86, KP99, LFBB94, PTHH14, SSG90, Tol98, YKM17, ACM99, BDT13, Jou85, PMC05, PULO16, Sus76, TB14, We02, Wu13, YWF09].

LARD [WCG14]. Large [DK93, GKBB15, PHL+12, RGSJ17, SLM89, XDLS15, ZSXZ07, ZLW+14, BLC94, DK75, FPGBK18, LPD+11, Nie12, Req03, SZ13, SHTE11, YZSC17].

Large-Scale [PHL+12, SLM89, XDLS15, ZLW+14, SZ13, YZSC17]. Latency [ASSB18, BPP+17, BL17, MV16, IMK+13, ZSW+06]. Later [FS12].

Later [BLRC94, DK75, FPGK18, LPR+11, Nie12, Req03, SZ13, SHTE11, YZSC17]. Layering [PSC+07]. LayerMover [ZFY18]. Lazy [Wak99]. LDA* [YZSC17].

Lean [SV15, Ven96]. Learning [BRX13, AD18, GKT17, KRG+12, RGAT18, RT18]. Legacy [LU04].

LegoSim [RMB02]. Lern [CK06q, CK06t, CK06r, CK06s]. Lernprogramme [CK06q, CK06r, CK06s, CK06t, CK06v, CK06w]. Lernprogrammen [CK06q, CK06r, CK06s, CK06t, CK06v, CK06w]. Lessons [RM03, LZJ12, Rob06, HSM04]. Level [AC16, cCWS+14, Chu06, DMS02, KHW+16, NTR18, RB01, SV13, ZSR+05, ZQCZ16, AD18, AL05, BSM+12, But94, Cia07, EGD03, FLCB10, IM75, JHE14, LZW+17, SVN+10, SWcCM12, SSG90, WF07, WCG14, ZLZ13].

Leveraging [LLF+18, LDL+08, Pfo13, RTL+18, WHD+09, ZL13, AJD09, ZBG+05]. Libraries [DK93, Int05b, Won97].

Library [Cro93, SJS+17, PBWH+12]. libvirt [Ano14c]. Life [ZR06]. Lifetime [WJ10]. Light [WJ10, HB08].

Light-Weight [WJ10, HB08]. Lightweight [ABV12, CXLX15, Ran02, VN06, WJ10, YME05, ZTW+17, vMAT14, AMA+11, CCL+17, DQR+13, RSD+17, SSU+12, TB14, XZ11]. Like [Abr80, SSOT17]. LILA [Dan86]. Limbo [Luc97]. limited [CH08]. Limits [WBB+16, vKF13]. line [SV17]. linguistic [UR15]. Link [KL1T18, CRB12, JK15]. linked [FC98]. linking [FC98]. LINUX [KGG00, Ano06a, CK06a, CK06b, CK06c, CK06d, CK06e, CK06f, CK06g, CK06h, CK06i, CK06j, CK06k, CK06l, CK06m, CK06n, CK06o, CK06p, G+06, Mar08, USE09a, WF03, Bau05, Bau06c, BBH08, Ble10, Bor01, CK06a, CK06b, Com00, Com03, DN14, Dav04, Fab13, G+06, GNDB16, MZG14, NWH010, NV05, P*08, Ros14, Spr06, Spr07, VBBM12, Win13].

LYS+18, YWR+14, Bir94, TF16, XH90, XTB17. **Load-balancing** [KAZS14]. **Loading** [LB98, HSC15, WGF11]. **Loads** [LTE12]. **Local** [ADM08, Oi08, PCR89, HJ10, KMT14, Oi05]. **Locality** [HSC15, SZ88]. **Localization** [YL15]. **Location** [USE93, OG16]. **Location-Independent** [USE93]. **Locator** [SLJPP11]. **lock** [YTS14].

**Load** [KAZS14]. **Loading** [LB98, HSC15, WGF11]. **Loads** [LTE12]. **Local** [ADM08, Oi08, PCR89, HJ10, KMT14, Oi05]. **Locality** [HSC15, SZ88]. **Localization** [YYL15]. **Location** [USE93, OG16]. **Location-Independent** [USE93]. **Locator** [SIJPP11]. **lock** [YTS14]. **Logic** [DMS02, GH91b, UOKT84, Alf91, Bur02]. **Logical** [RT93, Lia05, TT93]. **Logically** [Jen79]. **Logics** [BW03]. **Logisim** [Bur02]. **logistics** [LZWC13]. **LogP** [CKP93]. **Long** [KKLV16, KGS16]. **Long-Distance** [KKLV16]. **long-running** [KGS16]. **Longest** [HWHW18]. **Look** [HMS17]. **lookaside** [CFG13]. **Lookup** [HWHW18]. **Loris** [AvMT11]. **Loss** [XDLS15, CHCC07]. **Losungen** [Tho08]. **LOTOS** [MS91a]. **Louis** [ACM97].

**Low** [BPP17, WCG14, ZHCB15, GE85, IMK13, SJRS13]. **low-cost** [SJRS13]. **low-latency** [IMK13]. **Low-level** [WCG14]. **Low-overhead** [ZHCB15]. **low-resolution** [GE85]. **LTTng** [WKJ15]. **Luminous** [KNT02].
Clo85, Cof99, CGV10, dCCDFdO15, CWG00, CD01, DH01, DSC+08, DP11, DM93, DBC+00, Don87, DJ76, DXM+17, EGKP02, EG03, FLL+13, FM90, FMI18, Fit14, FF96, FLM+08, FCC+05, Fre05, GTGB14, GCARPC+01, GPW03, GR80, GBCW00, GA18, HUL06, HK07, HcC14, HPHS04, HSC15, IBM85, IBM88, Int88, IBM94, IBM96, IKU15, JK+13, JNR12, JG+11, JADAD06b, Kal97, KOY05, KS13, KSO+15, KS18, KTBJ7, gKEY13, KCS14, KJLY15, KCKC15, KKC+16, KFF12, Kou11, KCV11, KRG+12, Lam75, LBZ+11, Les74, LC02, LM99, LZWD15, LBL16, LWLL16, LYYY18, LIW18, Lia05, LL14, LPBB+18, Lot91, LG93, MSG+12, MD73, MD74, MSG01, DPBK16, MS17, Man18, MNA16, MS00, McG72, MC93, MN91, MST+05, MA07, MJ93, NOK85, NIA18, OG16, Oi08, ORPS09, PE11, PFPJ18, PCB+18, Piz17, Pul91, Raj79, RZ14, Req03, RFBL001, RY10, RJ+17, Sch13b, SMGD10, SHLJ13, She91, SCEG08, SASG13, SL00, Sig89, SGGB99, SGGB00, SKC73, Smi97, SYMA17, SMA+10, SBP+17, SSU+12, TSLBYF08, TMLL14, Tay76, tTR82, THG+18, TIIN09, TB14, TT93, Tur84, Vag10, Van98, Ven96, Ven97b, Ven97c, Ven97d, Ven99b, VVB13, WGF11, WKT08, WRX11, WZV+13, WKJ15, WCY+17, Web10, WLL+13, WW77, Won97, XHL+13, XCJ+14, XJWW15, XZZ+16, YME05, YZW+13, YLH14, YLH14, YPLZ17, YLH17, YBZ+15, YLK+10, Yel99, YRJ18, YGN+06, YQZ14, YTY00, ZG13, ZXW16, ZYZ+18, ZLZ15, ZLH+15, ZHHC17, ZFY18, ZWC+19, ZBP07, ZLL+16, ZL13, ZLLL13, ZWH17, ZLCZ18, ZWC+14, dSOK17, AEM+14, AAB+05a, Ano97b, Ano97c, Ano97d, AC98, BD01, BP01, BP03, BZD17, Caa00, CCWY05, CK87, Cla97, Coh97, CDG97, Cra98, Cza00, DCA04, DLS+01, Eng99, FS11, FFB+00, Fra98, FK03, Fuj91, GGG03, HT98, HM01, HWE03, HB08, Ivo03, JR02, JDJ+06, JJ02, Joo07, KM13, LMG00, LMG01, LB98, LV99, LY97a, LY99, LYBB13a, LYBB13b, LTK17, Men03, MB98, Mon97, MP01, OT97, Oi05, Oi06, PTHH14, PRB07, Ran02, RB01, SMK02, SSB+14a, SH04, Sch13a, SMES01, Set13, SMSB11, Shi03, SG12, Sim92, SSB01, SSB14b, SM02, Sur01, Ta98, Tol98, TO96, UR15, Ven99a, Wc02, Wf09, WWMG06, vD00, Ano97a]. **Machine-Based**

[LB11, WB18, CGV10, WKT08, YZW+13]. **Machines**

[Ao75, ASSB18, BMS16, BP99, BJhD02, BSSS14, Bee05, BB13, BRX13, CL17a, CWL12, CCCM12, CWS12, CSS+13, CL16a, CCO+05, CH78, CHLY18, CDN02, DSM14, DEK+03, Den01, DK17, DMR10, DKW15, Do11, EGR15, EGJS15, ECJ+16, Ert03, EDS+15, Gal75, G+01, GTS+15, Gum83, HKLM17, HB17, HS06, HPP15, Ian14, JE12, Jen79, JXL+12, JAS+15, JK+10, KCWH14, KJL11, KP15, KAH83, LMR18, LZZ+15, LYYY17, LD05, LHP06, LW12, LJJ+15, LLZ18, Mac79, Man15a, MD12, MGL+17, MM94, PSBG11a, PS16, Rev11, Ros04, SD10, SCSL12, SV13, SN05a, SN05b, Sta97, SKI+17, Sup04, TV12, UT87, Vog03, WLW+15, WGLL13, WZL15, WLLZ16, XSC13, XLL+14, ZRD+15, vLSM01, Agr99, AAM+03, AGH+16, ATS16, AAM+16, AMAB17, AS14, BAC15, Bac11, Bag76, BML+13, BDF+98, BHvR05, Bel06, BB12, BB15, BBM09, BBS06]. **machines**
[CL17b, CGM17, CCL +17, CH08, Cra05, Cra06, CWdO +06, CLL +13, DDS +94, DC15, DEG +17, DQLW15, DSZ11, DCMW17, EGD03, Ert05, EL98, EMS15, FBZS12, Fit14, FHL +96, FGLI15, FX06, Fu10, GI12, GVI13, Gol73, GLV +10, HM18, HMI17, HZZ +14, HDG09, JES +15, JW +15, JDW +14, JGSE13, KSSG16, KRC14, KBB11, LMI07, LZC +16, LLF +18, LJJL12, LQW +12, LC13, LTZ +14, LSS04, Man15b, Mat09, MG13, MRG17, hTMAC +08, NK10, NO15, FFM +16, PSBG11b, PMC05, PBYH +08, FR16, FK16, RH17, RR02, RT18, SBJ14, SS13, SENS16, SNV09, SS12, SJJ +12, JW +13, SSL +13, Ste14, Str13, SK13c, SLA +16, SHTE11, Syr07, TZZK17, TGC +08, TMMV12, T +06, TtLC13, VT14, VED07, WQG15, WXZ +17, WC06, WSVY09, WRSVM11, WRS +15, XHCL15, XWL +17, YCS98, YWFG09, YWGH13, ZBG +05, ZWHC17, ZWL09, ADM98, BHDS09].

Machines
[CT03, Cla97, MLG +02, PEC +14, SM01, UBF +98, YC98a, ZS01]. macro [Wel02]. macro-architecture [Wel02]. Made [Ste05]. Mail [Joo06]. Main [AW17, AMH +16]. mainframe [GBO87]. Mainstream [Uhl06, BBHL08]. maintaining [HPB06]. maintenance [LSS04]. Make [THB06, BC10, DMH18]. makes [Wal10]. Making [HKKW13, XLL +14, SJJ +12]. Malware [CL07, CD12, GG11, AD18, CVWL13, CWdO +06, YJZY12]. MAN [TDG +06, YYP01]. MAN/WAN [TDG +06], manage [Car14, Fit14]. Manageability [Gua14, MW05]. managed [CBGM12, CFG +13, GK05, RJK16]. Management [AW17, DMR10, HC17, KGGS17, KL14, LAR09, LJJ +15, LCFL12, LXM +16, MBW +86, MDGS98, SMS01, SC17, SDD +16, TB17, WIS +15, WLW +15, WGLL13, AKH +15, ATS16, ARMA18, BAC15, Beg12, BBMA91, BHDS09, BN89, CH08, Cla05, Fit14, Fu10, GTGB14, GLK +12, HB13, IMK +13, KCKC15, KB17, LLS +08, MS00, MBA +12, N507, dOL12, RH17, RP07, RJK16, SG10b, SWC08, TRG13, Wal02, WDC10, WWWL13, WCS06, WSVY09, YLCH17].

[ACM00, ACM06e, Ano04b, IEE84a, IEE90a, IEE91, IEE01, IEE06a, Mar81, TLC06, USE99, USE06, Yur02]. MBSA [CCL+17]. MC68020 [MM84].


Memory [AW17, AMH+16, Bad82, Bro89, CLL12, Cro93, GHS17, GKKB15, HHC+16, HPP15, JKK+11, KGGs17, LW11, LH16, JLJ+15, LWZ+17, LXM+16, MKKE12, RLZ+16, RXW+12, RGSJ17, SMES01, SLM89, VTW16, Wal02, WWH+16, WWL+17, WK90, WTLS+09, XML+18, AKH+15, ATS14, Ano15, BHD09, CWH+14, CW+14, CLC13, CH08, CMM+06a, CMM+06b, CMM+06c, GMK17, GVI13, GNB16, GL+10, HB13, HHPV15, HUWH14, JSK+13, JDW+14, KB17, LLIW18, LL+08, MS09, PPO14, RO16, RJK16, VED07, WWS89, WZW+11, WWWL13, WK80, ZP14, ZHCB15, ZWL09, ZL13, TF16]. Memory-Aware [JJK+11].

memory-limited [CH08]. Memory-Resident [WK90]. merging [TLX17]. mesh [JSR+13, ZGW+06]. message [DM03, TO91, UR15, XH90]. message-passing [TO91, UR15, XH90]. messaging [Joo06]. meta [BT15].

meta-tracing [BT15]. metacircular [PBAM17]. Metacomputing [MDGS98].


Metrics [Sch13a]. Metriken [Sch13a]. Mexico [ACM00]. Meyer [Ano97a].

MGC05 [ACM05b]. MI08 [Hin08]. Micon [BG89]. microarchitectural [EGD03, SK13b]. microcomputer [UBL+82]. microcomputers [GBO87].

microkernel [GMR93, St07, Uh07]. microkernel-based [St07].

Microkernels [FHL+96, HUL06]. Microprocessor [Ran02, ACT94, WW77]. microprocessors [But94]. microprogrammable [Bag76].

Microsoft [Lar09, Zim05, Ano99a, B+07, Car13, CBER09, Gal09b, Joo09, Kal97, KV09, KSS09, KS10, Lar09, MRM06, Not92, Ste05, Wou97].

Middleboxes [KRS+17, YDW18]. Middleware [ACM05b, HOK014].

Migrate [YBZ+15, CLL+13]. Migrating [JE12]. Migration [ABV12, BFG+14, BWD+15, CYX+17, DK17, EMAL17, KC16, KGS16, KKLV16, LRL+15, LML11, NBB16, RSNK17, RSN+18, SL14, SHW+15, TMM12, XXJX15, XLL+14, XD16, XD17, YWR+14, ZRS+16, ZCG+17, ZDLG17, vLST101, AGH+15b, AGH+15a, AS14, BAC15, BB08, CLC13, FMF18, FGL115, HLG+10, HGD09, JKK+13, JGW+11, JDW+14, JGSE13, KTB17, KJLY15, LZWD15, LZC+16, DPB16, MG13, NIA18, PDC+12.
LYYY17, DPBK16, MSZ09, NTH+17, OK90, PBL+16, RK16, SZL+14, Tur84, UBL+82, VOS12, WWS89, WHC16, WCC16c, WC91, TF16, YWL+18.  
Network-aware [AO16, IKU15, ZHHC17]. Network-based [LYYY17].  
O [RM03, AJM+06, AD11, ABG14, ABB+15, BMS16, BHEP14, CWH+16, CDD13, CRZH15, DCP+12, DS09, GAH+12, HB12, KS08a, KM+16, LLE17, LMR18, LHAP06, NaP16, PST+15, Rus08, SBQZ14, SVL01, TtLeC13, VW08, WR12, ZSR+05]. Oak [SVN+10]. Oakland [IEE84a, IEE90a, IEE91]. OAMulator [MS01]. OASIS [UBL+82]. OB [XHCL15]. Oberon [WF03]. Object [Bad82, BBD+91, BP01, CA+91, Low88, PTHH14, PM05, San88, STFH15, USE99, USE01b, BPP86, BPO3, BZD17, DNR06, SNS93, IT86, LM99, VED07, WML02]. Object-Based [Bad82]. Object-Oriented [BBD+91, USE99, USE01b, PTHH14, PM05, San88, BPP86, SNS93, IT86, WML02]. Objective [GLBJ18, LPB17, AP18, SL14, ZLL+16]. Objects [Qia99, SK13a]. Observation [NBH08, SCFP00]. observation-based [SCFP00]. occupied
OCTET [BKC+13]. October [ACM03b, Ano99b, Ano06a, Boa90, IEE03, Tho93, USE00a, Vra05].
off [CGV10]. off-board [CGV10]. Offensive [BDJdS02]. Offers [Ano03a, Got07]. office [BRdM10, Ano03b]. Offline [TRG13, SHLJ13].
Offloading [CL16a, GKXK13]. off [SidLB15]. OGSA [AKK+07].
OGSA-DAI [AKK+07]. Oktober [Müh75]. Old [Got07]. Older [SHB+03].
Older-first [SHB+03]. Oleco [Joo06]. On-Demand [SEF+06, ZZF06, DEG+17, JCZZ13]. on-stack [LH13]. One [Cre09, HPHV17, JK15, Ste14]. one-shot [JK15]. Online [FL13a, GR15, HKL17, HKKW13, JWL+18, Joo06, KTB17, NG13, RG17, SZW+16, SIK+16, SXCL14, ZHW+17, ZWC+14, BB12, LSS04, NK10, ZWX16].
Online-Handbuch [Joo06]. Ontario [ACM06f, Sof83]. onto [AO16, Bak83, BS90, PS16]. Open [AFG+17, SJV+05, AGH+15a, AAB+05a, FP14, TSP17]. Open-Source [SJV+05, AAB+05a]. OpenCL [KJJ+16, TY14]. OpenFlow [YKS16].
OpenNebula [KMT14]. OpenOffice [Joo06]. OpenQRM [Kar07].
OpenStack [BB15]. OpenSUSE [CK06g, CK06f, CK06o, CK06p]. Open-Source [SJV+05, AAB+05a]. OpenCL [KJJ+16, TY14]. OpenFlow [YKS16].
Optimal [BP99, BB12, DEG+17, HM18, HJG18, WHC16]. optimale [Sch13a].
Optimization [CPS17, CWH+16, DKW15, GLBJ18, KC16, LW11, Msl15a, MJW+14, NIA18, SM06, SHZ+14, WK90, YM17, YWF09, GACRP+01, HLW+13, JK13, KS13, KS18, LLL16, MS17, dOL12, ZLL+16].
Optimization-Based [SHZ+14]. Optimizations [HB12, NBK16, RLZ+16, CPST15, NG13, PGLG12]. Optimize [OLZ16, MPF+06]. operator [GHM+18]. Opportunistic [KM16, OMB+15].
Optimal [BP99, BB12, DEG+17, HM18, HJG18, WHC16]. optimale [Sch13a].
Optimization [CPS17, CWH+16, DKW15, GLBJ18, KC16, LW11, Msl15a, MJW+14, NIA18, SM06, SHZ+14, WK90, YM17, YWF09, GACRP+01, HLW+13, JK13, KS13, KS18, LLL16, MS17, dOL12, ZLL+16].
Optimization-Based [SHZ+14]. Optimizations [HB12, NBK16, RLZ+16, CPST15, NG13, PGLG12]. Optimize [OLZ16, LDL+08]. Optimized [CGC16, KV11, LLL16, TMMVL12].
Optimizing [CEG07, dCDDFdO15, EG03, GKT17, HHC+16, JGW+11, KRS+17, LW+12, LL14, LXQ+16, MCZ06, SMK02, SV15, ZLLL13, ZJX11, FMIF18, HSC15, ZLBF14, FLL+13]. Options [HDG+08]. Oracle [VSC+10]. orbit [SSN94]. Order [BW03, FBC02]. Ordering [HHM17].
ORE [OMB+15]. Oregon [IEE93b, USE85]. O'Reilly [Ano97a].
Organization [BPC94, Kam83, RSGG15, Joo07, Skr01]. Organizational [PXG+17]. organizer [MS00, SMES01]. organizing [OK90]. Orient [IT86].
Oriented [BBD+91, BWD+15, BS90, CAF+91, DY17, LVM16, RSGG15, SYB12, USE99, USE01b, Beg12, BPB86, Frd13, GSN93, IJK+06, IT86, PTHH14, PMC05, PPO14, Sun88, WML02]. Origin [Den01]. Original [BDR+12]. Orthogonally [LMG01, LMG00]. OS-Level

Overcommitment [GKB15]. Overcommitted [CWS12, WCS06, ZHH17]. overhead [LPD11, LBL16, ZHCB15]. overheads [MST+05]. overload [LYY18]. Overloaded [BB13].


Pangoda [YSS17]. Palm [MS00, SMES01]. Palo [ACM01b]. Panel [G+01, UBF+98, BDF+98]. Papers [DC15, KM13, ACM90, G+88].

PAPM [SDD16]. para [LC13]. para-virtualized [LC13]. paradigm [BD11]. PARALISP [CRZ83]. Parallax [hTMAC+08]. Parallel [ACM06b, Arm78, BP99, BS90, EGR15, Fis01, HD16, HHH94, IEE93a, IM93, JN15, KNT02, Loy92, LCFL12, MM92, MM93, MRG17, MM94, NOT17, PY93, SSN94, TVO92, WCC15, Wat86, Wat87, Wel94, YP15, ZR15, AS14, AGI94, BPC94, Bir94, BL09, RFC02, CARB10, Cax93, CDM10, dCCDF05, CRG16, CKP93, DKF94, DDS94, DM93, EF94, FM90, GSN93, JGA88, KJLY15, Krah90, Les74, LG93, MeK11, MN91, NORT15, NG13, Pou09, RH17, RSW91, She91, SL00, Taf11, WK08, YC88b, Ble89, JPTE94, YC98a]. parallelism [YTS14]. parallelization [vK13].


PARD [MSS15]. ParDMCom [M+06]. PAROS [MM94]. PARS [CW15]. Parser [UOKT84]. Part [Cre09, HO92, RGSJ17, Sch94b, Sch94a, Cre08a, SS72, Zyt94a, Zyt94b].

PRIMITIVES [Ble89]. Princeton [FS11], principled [WSAJ13].
Principles [ACM75, ACM99, ACM03b, Joo07, SHW+15, Vra05, SS72].
Privacy [IEE84a, IEE90a, IEE91, WLL+13]. private [Nie12, SYMA17, WH08, Fro13]. Privileged [MPF+06]. Pro [SRS09, Fra06, Fra09, Wil06]. Proactively [GBK15]. probability [LYY18]. Problem [BL17, BFG+14, Man15a, MM92, SL00]. Proceedings [ACM96, ACM97, ACM04b, ACM05b, ACM06a, ACM06b, Ano99b, Boa90, IEE96b, LCK11, USE99, USE00a, USE00b, USE01a, USE01b, ACM00, ACM03b, ACM05a, ACM06f, Ano93, GHH+93, HHH94, IEE85, IEE04, JPT194, Mat10, MR01, SS05, USE85, USE86, Vra05, ACM75, ACM81, ACM89, ACM90, ACM01b, RM03, ACM04a, ACM05c, ACM05d, ACM06e, ACM06c, ACM06d, Ano01b, Ano04b, Ano06a, BW03, IEE84b, IEE84a, IEE90a, IEE90b, IEE91, IEE92, IEE93a, IEE93b, IEE05, IEE06b, IEE06a, MS91b, Ost94, So03, Shr89, Tho93, USE91, USE93, USE01c, USE02, USE06, M+06].
Process [AGLM91, Bal91, HPHV17, MZG14, RB01, SC17, Tho93, AC95, LZW15, XCJ+14]. process-aware [XCJ+14]. Processes [JADAD06a, Kim84, SN05b, WTh91]. Processing [DKW15, Loy92, VLZ16, DH01, EF94, GSN93, IM93, KHL17, LKY+17, LG93, WWT89, Wun13].
Processor [IEE08, NSL+06, RX+12, SKJ+17, ILK+06, LRC05, VdIFC97, WDSW01, WLL+13, WJ1A12]. Processor-Interconnect [SKJ17].
Processors [DSM14, Gei02, MT16, MT17, MBK+92, PNT12, RTL+18, KKC+16, MN03]. product [IBM88, Int88, SV17]. production [SL00]. Products [Ano03a, Ano03b, Ano05]. Professional [vH08, IIPB09, Ham07, Khn09]. professionellen [Zim05]. profile [AWR15, WKJ17]. Profiler [SH04, VL00]. Profiles [Int05b]. Profiling [LV99, Sun95a, DSZ11, NK10, SS+14a, STY+14, TSK17, THC+14, YZLQ14].
Profit [BY1Y16, ZTH+17, LWL16]. Profit-Maximizing [BY1Y16].
Profitability [WUK+18]. Program [ACM01a, Han05, HB08, MSG01, SZ88, ABDD+91, BPB86, She02, WGF11]. Programm [Mar08]. Programmable [DMS02, FS11, Ken08, MSS+15].
Programmer [PSBG11a, PSBG11b]. programmers [Hee07].
Programming [ACM90, Arm78, DK75, Eng99, Gai75, GMP89, GH91b, LFBB94, Luc97, SYB12, Sub08, Sub11, Tho98, Tol98, ACM99, ASB95, All91, BCM90, Ham76, Jou95, Kat99, ME87, RSW91, SM084, Tai98, ASB95].
Programming-in-the [DK75]. programming-in-the-small [DK75].
Programs [FS12, Kam83, NMM15, Wei94, CK06b, CK06c, CRG16, DKF94, EG03, GMR93, IM75, Wark99, Wom99]. Progress [ZHD+15, ZHCC15]. project [AAB+05a, CKP78, Lot91, RD90]. projects [AL05]. PROLOG [Clo85, Ode87, War80]. Promoting [ACA16, WLW+17].
Proof [FC98, LLZ18, Arv02, FP14, FCG+05, ZLH+15]. proof-carrying

QEMU [WR07, WR08, CK06a, CK06b, CK06e, CK06c, CK06d, CK06g, CK06f, CK06i, CK06j, CK06k, CK06m, CK06l, CK06n, CK06o, CK06p, CK06q, CK06r, CK06s, CK06t, CK06u, Bar06, MZG14, WR07, WR08, vdK09, CK06a, CK06b, CK06c, CK06d, CK06g, CK06j, CK06k, CK06m, CK06l, CK06n, CK06q, CK06r, CK06s, Deu08]. QoE [KS18]. QoS [BAC15, DM+17, KP15, LCL14, LW+16]. QoS-aware [LW16]. qualitative [ALW15]. Quality [BB13, SV13, VOS12, WK17]. quantification [BH+06]. quantify [TZK17, TDG+18]. Quantifying [FFB+00]. Quantitative [YZW+13]. Quelle [LC09a]. Quemu [CK06o]. Query [WK90, KHL17]. querying [CKRJ17]. Quick [NOT+17]. QUICKTALK [BMBW86]. QUIS [CKRJ17].


Read-Performance [MJW+14]. Real [AE01, CW03, Cha97, HeC14, LD05, Mac79, Mat09, QTo6, Sta97, Swa06, AS76, ABC+07, BCC+15, HK07, lve03, KBB11, LTK17, Nie12, WQ15, ZEdlP13]. Real-Time [CW03, Sta97, HeC14, LD05, QT06, AS76, ABC+07, HK07, lve03, KBB11, LTK17, WQ15, ZEdlP13]. Realism [DSSP06]. realistic

S [M+06, Ber86]. S-GRACE [M+06]. S.u.S.E [KGG00]. S/370 [Ber86]. SableSpMT [PV06]. Safe [BHI15, RSF+15, SKI+17, VVC+17, CFS+12, CLDA07, MSZ09]. Safety [BSI+15, HM01, MSG01]. Sagamore [ACM03b]. Sampling [Lee16]. San
Sandboxing [GG11]. Sandpiper [WSVY09]. SANs [ZSXZ07]. Santa [ACM00]. satellite [CFVP12, SSN94]. Satisfaction [LVM16]. Satisfaction-Oriented [LVM16]. saving [YLCH17]. SC'11 [LCK11]. SC2003 [ACM03a]. Scala [AT16, SMSB11, Sub08]. Scalability [KMK16, QNC07, TCP+17]. Scalable [CL17b, FBL18, HJ10, Li14, RSN+18, SD01, UVL+13, XML+18, HIW+10, SJJ+12, SPF+07, SG10b, Uh107]. Scale [HC17, PHL+12, SLM89, XDLs15, ZLW+14, FPGK18, LPD+11, MSG+12, SZ13, WWT89, YZSC17]. Scaling [HC17, JWL+18, JDJ+06, PBL+16, TCP+17, AB16, AMAB17]. Scaling-Aware [HC17, AMAB17]. SCAN [Ble89]. scenarios [KCV11, Sch13a]. Scenarios [Cra98]. scheduler [KCS14]. Scheduling [EGR15, HSN17b, JJK+11, KDB16, LMM18, LGJ+18, LD05, LC13, RB17, WWT89, ZQCZ16, ZLW18, BC10, DEE+16, DQLW15, DXM+17, DCMW17, JGW+11, KKJ+13, KCV11, RZ14, SS13, SHLJ13, SNN12, Sto07, TMLL14, THG+18, VVB13, WQG15, WCC16a, XJZ+14, YPZ17, YQZ14, ZSR+05]. schema [SI81]. Scheme [KAZS14, RSN+18, SHZ+14, YWR+14, KJLY15, XJC+14, YPLZ17, YQZ14, FM90, KR94]. Schemes [Do11, MNA16, YWGH13]. Schloss [IEE01]. School [BGP00]. Science [ACM06d, BR01, DG05, SGV12]. Sciences [Shr89, MS91b]. Scientific [Bad87, RB17, dCCDF+015]. Scientists [THLK10]. Screening [LP14]. Scripting [MJW+06]. SDDSfL [CL LS12]. SDN [LLY+18, VVC+17]. SDNs [ALW15]. SDWN [AGF+17]. SE [LYBB14]. Seamless [Hir92, TDG+06, XWXJ15, BADM06]. Search [Cox12, MNS+14, CWdO+06, KMT14, Tho68, WXZ+17]. search-based [WXZ+17]. Seattle [ACM05c, ACM06b, LCK11, Ost94]. Sebastopol [Ano97a]. sEc [SMK02]. SECD [Abr82, AS85a, AS85b]. SECD-M [Abr82, AS85a, AS85b]. Second [ACM06f, IEE93a, Shr89]. SecondSite [RCOW12]. Secure [AMH+16, CCML12, CLDA07, JSHM15, JAS+15, LJ12, LP11, PEC+14, QZDJ16, RIO0, RSGG15, THB06, TtLC13, WF07, vD00, BDS+09, GNDB16, HKD+13, ISE08, SL12, TLBW12, ZBP05]. Secured [TMV12, WCC16c]. securing [Hal08, Hal09]. Security [AKK+07, Ano93, Att79, De06, ESY+17, FJKK17, GW07, HHSG18, HB17, IEE84a, IEE90a, IEE91, IEE05, JE12, KZB+90, KSO8a, KSO8b, LWL110, NMP15, PVD08, Fpo13, SJJ+05, SM90, SEF+06, Ste05, TMV12, TV12, USE00b, VN08, WHD+09, ZL16, ZL18, Ano07, BTMS10, Bau05, Bau06b, Bau06a, Be06, BCP+08, Bor07, BBS06, Hal09, HSM04, IIIK+06, LLW+12, MD73, MD74, Mat09, MA17, PZ13, PBB13, Sch13b, VT14, DTW07]. security-oriented [IIK+06]. see [Yur02]. SEED [DTW07]. seinen [KGG00]. Selecting [NBK16]. selection [JK13, LZW+13, LLWW18]. Selective [WZW+11]. Self [BHI15, BRX13, HHW10, dOL12, CBLFD12, GK05, KKB14, OK90]. Self-Adaptation [BHI15]. self-adaptive [KKB14]. Self-Configuration [BRX13]. Self-Healing [BHI15, GK05]. self-hosted [CBLFD12].
Self-management [dOL12]. Semantic [Das91, DGLZ+11, FL13a, AD18].
Semantics [WIDP12, Dan12, EdPG+10, Siv04, Wal76, ZHCB15].
semi [MSZ09]. semi-automatic [MSZ09]. sensitive
[DK17, KSLA08, LCL14, ZBP07]. sensitivity [HB13, TZE17]. Sensor
[BSI+15, LC02, MAK07]. sensors [ALL06]. Separation
[KF91, WLMD16, LWM14]. September [ACM81, ACM04a, ACM05a,
ACM06c, ACM06b, Ano93, BW03, GHH+93, Jou85, JPTE94]. Sequence
[EDS+15]. sequential [Clo85]. Serialization [BP01, BP03]. Series
[AC98, EL98, ZDLG17]. sets [HW15]. setups [RPE12]. SGAM [ZLH+15].
Shadow [WLW+17, GHS16]. ShadowReboot [YK13]. Shared
[Bro89, CH08, Cro93, Low88, RLZ+16, KKRK17, SLM89, SV13, SNC91,
SNS03, CFS+12, JGSE13, PW03, TZE17, WWS89, WDC08].
Shared-Memory [Cro93, RLZ+16, SLW98, WWS89]. shared-source
[PW03]. Sharing [ACA16, BFHW75, CDN02, MS70, PTM+15, RG17,
SAB+07, XML+18, LLS14, LTZ+14, TtLcC13, WTLS+09]. Sharing-Aware
[RG17]. shell [FL13b]. Shoot4U [OLZ16]. Short [HW15, KKC+16].
Short-circuit [KKC+16]. shortest [AM16]. shot [JK15]. Shoulders [FS12].
Showcase [UZE00a]. showdown [SCEG08]. Shredder [AMH+16].
Shredding [AMH+16]. Shrinking [Ste14]. shuffling [ZWC+14]. Shuttle
[eCWS14]. Sibling [OG16]. SIGACT [ACM99]. SIGCOMM [RM03].
SIGCSE [ACM06d]. SIGMETRICS [ACM81]. Signal [MBK+92].
SIGOPS [ACM04a]. SIGPLAN [ACM01a, ACM99]. SIGPLAN-SIGACT
[ACM99]. SIGSOFT [ACM01a]. Silent [AMH+16]. SILLIAC [Gre10]. Sim
[Skr01]. SIMD [PSBG11a, PSBG11b, PBR+90, Sig89]. Simics
[Ano14a, MCE+02]. similarities [CL14, CL17b]. similarity
[GV13, LLF+18, LLLW18]. Simple [Bak83, Cox07, NOR15]. Simplicity
[BGP00, DGP06]. simplification [FS08]. Simplified [Beg12, PSC+07].
simplifying [Cla05]. simulated [GE85, RH17, WDSW01]. Simulating
Simulation [ADG+92, AB16, DBMI92, JN15, KD78, Kut92, MCE+02, MBK+92, MJ93, PBR+90, PY93, Tur92, WB81, WWMG06, YP15, Ano94, BHvR05, Bur02, BS96, Clo85, DSSP06, IM93, KSH+99, NRS92, RMB02, SK13b, URL+82, WWS89]. Simulations [LCT+15, BL90, DH01]. Simulator [CK96, CRZ83, Dun86, PCR89, Ber86, BR01, CMP+07, DC15, GBO87, Hog02, KB80, MLR02, YPPA01, Ano14a]. Simulators [NMHS15, Sup04, Man18, Yur02]. Simultaneous [LRZ16, ABB+15]. Singapore [Ano06a, TLC06]. Single [CK96, CRZ83, Dun86, PCR89, Ber86, BR01, CMP+07, DC15, GBO87, Hog02, KB80, MLR02, YPPA01, Ano14a]. Simulators [NMHS15, Sup04, Man18, Yur02]. Simultaneous [LRZ16, ABB+15]. Singapore [Ano06a, TLC06]. Single [CK96, CRZ83, Dun86, PCR89, Ber86, BR01, CMP+07, DC15, GBO87, Hog02, KB80, MLR02, YPPA01, Ano14a]. Simulators [NMHS15, Sup04, Man18, Yur02]. Simultaneous [LRZ16, ABB+15]. Singapore [Ano06a, TLC06]. Single [CK96, CRZ83, Dun86, PCR89, Ber86, BR01, CMP+07, DC15, GBO87, Hog02, KB80, MLR02, YPPA01, Ano14a]. Simulators [NMHS15, Sup04, Man18, Yur02]. Simultaneous [LRZ16, ABB+15]. Singapore [Ano06a, TLC06]. Single [CK96, CRZ83, Dun86, PCR89, Ber86, BR01, CMP+07, DC15, GBO87, Hog02, KB80, MLR02, YPPA01, Ano14a]. Simulators [NMHS15, Sup04, Man18, Yur02]. Simultaneous [LRZ16, ABB+15]. Singapore [Ano06a, TLC06]. Single [CK96, CRZ83, Dun86, PCR89, Ber86, BR01, CMP+07, DC15, GBO87, Hog02, KB80, MLR02, YPPA01, Ano14a]. Simulators [NMHS15, Sup04, Man18, Yur02]. Simultaneous [LRZ16, ABB+15]. Singapore [Ano06a, TLC06]. Single [CK96, CRZ83, Dun86, PCR89, Ber86, BR01, CMP+07, DC15, GBO87, Hog02, KB80, MLR02, YPPA01, Ano14a]. Simulators [NMHS15, Sup04, Man18, Yur02]. Simultaneous [LRZ16, ABB+15]. Singapore [Ano06a, TLC06]. Single [CK96, CRZ83, Dun86, PCR89, Ber86, BR01, CMP+07, DC15, GBO87, Hog02, KB80, MLR02, YPPA01, Ano14a]. Simulators [NMHS15, Sup04, Man18, Yur02]. Simultaneous [LRZ16, ABB+15]. Singapore [Ano06a, TLC06]. Single [CK96, CRZ83, Dun86, PCR89, Ber86, BR01, CMP+07, DC15, GBO87, Hog02, KB80, MLR02, YPPA01, Ano14a]. Simulators [NMHS15, Sup04, Man18, Yur02]. Simultaneous [LRZ16, ABB+15]. Singapore [Ano06a, TLC06]. Single [CK96, CRZ83, Dun86, PCR89, Ber86, BR01, CMP+07, DC15, GBO87, Hog02, KB80, MLR02, YPPA01, Ano14a]. Simulators [NMHS15, Sup04, Man18, Yur02]. Simultaneous [LRZ16, ABB+15].

Supercomputing

[ACM89, ACM96, ACM00, ACM04b, ACM05c, Hir92, IEE90b, IEE92, IEE93b].

Superconcurrent [NR82], superoptimization [HW15], superscalar [VdFCC97]. supertype [RRB17]. superoptimization [HW15]. superscalar [VdlFCC97]. supertask [AC95].

Support

[BP01, DJ77, HHV+02, HD16, HB12, KY+17, LW99, NIS+04, RI00, SSG90, Tur92, XD16, dGG+17, AC95, BADM06, BTLNBF+15, BP03, CHCC07, CFL+12, DJ76, GK05, ORPS09, PGLG12, SJRS+13, STFH15, SL12, TY14, WK08, WSC06, WLL+13].

Supporting

[BMS16, CWS12, Kim84, MSS+15, Mon97, RT93, XWJX15, YWCF15, ZZF06, GD08, TT93].

Supports [Ano03a]. surgery [PBL+16].

Survey

[BAL15, HSN17b, KKL16, KL14, Man15a, PS16, SB16, SGB+16, UOKT84, AGH+15b, CB10, FMIF18, MG13, NIA18, LV99, NSL+06, RI00, SSG09, Tur92, XD16, dGG+17, AC95, BADM06, BTLNBF+15, BP03, CHCC07, CFL+12, DJ76, GK05, ORPS09, PGLG12, SJRS+13, STFH15, SL12, TY14, WK08, WSC06, WLL+13].

Surveyor [Fra83, GHF83a, GHF83b, WNL+83]. survivability [YZW+13].


Switching


[ACM75, ACM03b, ACM05a, ACM06d, Ano00, Ano01a, Ano01b, Ano04a, Ano04b, Ano10, HHK94, IEE84a, IEE85, IEE90a, IEE91, IEE96b, IEE06a, Ost94, TLC06, USE91, USE93, USE00b, USE01d, USE02, Vra05, IEE96a, Ano02].

Synchronization

[LJL+11, ZJXL11, Sub11, Uhl07, Ven97d].

Synchronous [SIR+17]. syntax [KMMV14]. Synthesis [DMS02, BPB86].

Syracuse [IEE96b]. System [ACM75, Abr80, ABC06, Ano10, AAK18, Bad82, BFHW75, BDP+91, BSYT16, BGS89, B05, Car13, CSS+13, CWL+15, CHPY17, CHLY18, DRM10, DM75, Fis01, G+06, GH91b, HXZ+16, HW93, HX+16, HWCH16, IN87, Kam83, Kec77, KP15, Kut92, LP14, Li14, LCF1L2, LXM+16, MCE+02, Mat10, MS70, MDGS98, MB98, MS91b, MM94, NSH10, NMS+14, P+08, R+06, Sch86, SLM89, SVN+10, Shi03, Shr80, SWF16, Ste05, WLV+15, WK90, ZSXX07, ZQZ16, ZFF06, ZXY+15, AD18, AEMWC+12, AL05, AH12, ACT94, AP18, Bar78, Bor07, Bur02, Caa00, CWH14, CK06b, CK06e, CKP78, FFFB08, Fis91, HNO8, HHD+13, HCU12, IBB88, Int88, KCKC15, KK79, LLJN+00, LIA05, LDL+08, MDPD, MDFS27, PR07, PK75, Rob06, SNV10, SPF+07, SWW+18, SZ13, SS72, STY+14, TC10, Vag10, Van06, VM12].

System

[VSC+10, WKT08, WH08, WWT89, WF07, WC91, YLCH17, YZSC17, ADG+92, ABDD+91, Car14, Gum83, SNC91]. System-level

[SVN+10, AL05]. System/370 [Gum83]. System/6000 [ABDD+91]. System/9000 [ADG+92]. Systemarchitektur [See08a]. Systeme [WF03]. Systems [ACM81, ACM03b, Ano99b, BBMA91, BT05, CD12, CAF+91].

[46]
Das91, DJ77, Her10, IEE93a, IEE01, Lar09, LW11, LJZ12, MM93, MJW⁺14, MKKE12, RT93, SL14, SS75, SVB93, SL16, SN05b, THB06, USE99, USE01b, Vra05, WN17, WLMD16, YVCB17, AH12, ALW15, AT16, Ano93, AAB⁺05c, BSSM08, CZZ⁺06, CGL⁺08a, CGL⁺08b, CGL⁺08c, CK06a, Com00, CGV10, CLDA07, Dav04, Don87, DJ76, DCMW17, FP14, FLCB10, GHH⁺93, GK05, Ham76, HH13, JSK⁺13, KCS14, Kou11, LLLE17, LWM14, LZWD15, LCL14, LTK17, MRC⁺13, MA17, NS07, NV05, PSC⁺07, RVJ⁺01, RJK16, Ros06, SJM14, SK13b, SSMGD10, SJJ⁺12, Sto07, Syr07, TT93, THB⁺14, Vac06, Vit14, WR07, WKC⁺09, YK13. Systemverwaltung [Lar09].

Tables [MT16, MT17, WLW⁺15]. tackle [Sub08]. tactics [OG16]. Tail [ASSB18, War80]. Taipei [SS05]. Taiwan [SS05]. Take [Kis08]. Taking [Uhl06]. talk [Piz17]. Taming [CZL08, HHPV15]. Tan [Fro13]. Tape [DK93]. target [FCG⁺05]. Targeting [CDG97]. Targets [Sta07]. Task [KMM13, PCC⁺16]. Tasking [MB98, Shi03, JDJ⁺06]. Tasks [KGS16, YSS⁺17, YQZ14]. Taxonomy [SGB⁺16, AGH⁺15a]. TCAM [HWHW18]. TCAM-Based [HWHW18]. TCB [HCJ07, HPHS04]. TCP [CL16b, GKK13, GI12]. teach [Don88]. Teaching [Agr99, Dav04, Don87, GGG03, ME87, Guz01, Ham76, KW80, MS01, NV05, WKC⁺09, YYPA01]. teasing [LBF12]. Technical [ACM06d, Ano06b, Han16, OH05, USE01a, USE06, BB08, Int06c, Int06a, LC09a, Wal10]. Techniken [Tho08].

Technique [JHS12, JMSLM92, LTT92, SMK02, ACT94, SLA⁺16, XHL⁺13, YKS16].

Techniques [ACM06b, LIJ⁺15, OVI⁺12, SldLB15, Th06, UOKT84, ZZF06, AD18, AA06, AH12, BADM06, HSC15, IM93, KS13, KRG⁺12, SNS12, SHT11].

technische [LC09a]. technologie [Apr09]. Technologies [DF96, PZW⁺07, USE99, USE01b, Cla05, Kao17, MPA⁺18]. Technology [Ano00, Ano01a, Ano02, Ano04a, Ano04b, DLM⁺06, Don06, Got07, Her06, RG05, USE01c, USE01d, USE02, UNR⁺05, WHD⁺09, ZAI⁺16, Apr09, Int05a, Int05b, Int06b, Int06c, Int06a, AJM⁺06, NSL⁺06, NKK⁺06, RSW⁺06, Uhl06]. Tele [HMS04]. Tele-lab [HMS04]. telehealth [WQG15]. template [WRX11]. Temporal [CWD0⁺06]. Tenancy [DY17]. tenant [SWW⁺18, YKS16, ZRZY15]. terminal [CKT08]. terminals [HIK⁺06, ISE08]. Terra [BSI⁺15]. TerrierTail [ASSB18]. Tesseract [ABG14]. Test [SM06, ABDD⁺91, IIPB09, LLS⁺12]. testbed [HLW⁺10, ZGW⁺06]. testbeds [ACM06c]. Testboard [Kut92]. Testing [Ame13, CQLL18, DFK94, GBF⁺92, HLP⁺16, Kao17, KLF⁺15, MPM⁺12, Ost94, VS06, BD11, CSS⁺16, KFF12, SCF00]. Texas [ACM75, ACM06d, USE01b, IEE02, IEE03]. their [EF94, KCV11, SS13]. Them [HPHV17]. Theorem [Hir17, SSH17, BW03]. Theoretical [Kna93]. theory [WSAJ13]. Thermostat [AW17]. Things [Gal09a, Gal09b, Gal11]. Third [Ano04b, CRZH15, PG74, PG73]. Third-Party [CRZH15]. Thoth [KB17]. thousand [SK13b]. thousand-core [SK13b]. Thread
Twenty-Fourth [MS91b]. Twenty-Second [Shr89]. TwinDrivers [MSZ09]. twins [HCJ07]. twitter [Guy14]. Two [AW17, SSG08, HCJ07, LUL05]. two-dimensional [BSSM08]. Two-level [SSG09]. Two-phase [TF16]. Two-tiered [AW17]. TX [ACM99]. Type [AD98, AT16, Arv02, KCV11, PR97]. type- [Arv02]. Type-Precision [ADM98]. Typed [G88, BDT13, GLV99, KR94]. Types [Wel94]. TypeScript [RSF15]. Typing [RSF15]. u.v.a [Tho08]. UKCF [JXL12]. umfassende [Bod10, Fis09]. Umgebung [CK06]. Unit [PXG17]. United [Vra05]. uniting [LUL05]. Units [VLZ16, Vo90]. UNIVAC [Kam75]. University [Ne04]. Universities [Sta07]. University [ACM75, ACM81, Gre06, IEE96a, IEE99]. UNIX [JJ91, KA83, NSH00, HO92, Ka97]. Unknown [CLW14]. unleashed [An09]. HH08, MG08, MG09]. Unmodified [HLP16, MKKE12]. Unpicking [LBF12]. unsound [AT16]. Untrusted [CD12, HKD13, HPHS04, WLL03, ZBP05]. upcalls [LJ11]. Update [VVC17, J05]. updating [CCZ06]. upgrade [CHC07]. Upgrades [An03a]. uptrees [HB13]. UPWN [M06]. Urgent [AGJS16]. USA [ACM81, ACM01a, ACM03b, ACM05a, ACM06b, ACM06d, BSA09, IEE09a, USE01]. ACM81, ACM82, ACM89, ACM90, ACM91, ACM92, ACM93, ACM94, ACM95, ACM96, ACM97, ACM98, ACM99, ACM00, ACM01, ACM02]. USENIX [ACM91, USE92, USE93, USE94, USE95, USE96, USE97, USE98, USE99, USE00, USE01, USE02, USE03]. Usage [KLT18, RSW06, WH99, KTB17, RGAT18, SK13c]. USB [An03a]. Use [Bec09, CLS12, Guy14, KKK9, Sch13a, SJ05]. used [tTR82]. useful [LC90a]. USENIX [ACM05d, USE91, USE93, USE96]. User [Cha06, ZQCZ16, An03a, ACT94, Bor07, Guz01, PG11, RSC05, Sto07, ZLZ13, CKT08, Dav04]. user-controlled [Sta07]. User-Level [Cha06, ZQCZ16, ZLZ13]. user-space [PG11]. User-terminal [CKT08]. Users [Boa09, SS17]. userspace [Sta14]. Using [AA09, ABV12, ALL06, Bas04, Bas06, BRX13, CQLL18, CCO05, DBM92, Don88, ESSY17, Guz01, HLW10, HWHW18, JMSLM92, LJS00, LTT92, LD05, MV16, OZL16, PEC14, RSW06, Sec10, SM06, SYB12, SAT09, SBE15, SXCL14, TDC18, WDSW01, WKG17, WUNK17, Wil01, Wol99, XSC13, ZBP07, dGG17, AD18, Agr99, ATS16, AW05, AP18, AGS94, BSM01, BHVR05, CL14, CCZ06, Dan12, FFBG08, FL13b, GHM14, HJ10, HNO8, HPHS04, JNR12, JWH15, JGSE13, Jiu07, KKM13, KS18, KJJ16, KGS16, KLI13, Kou11, KRG12, LDL14, LLWW18, LQW12, NV05, PBL16,
RP07, SGV13, SSN12, SIJPP11, SIK+16, SSH17, STFH15, SSN94, TSLBYF08, TF16, VT14, YK13, YLWH14, YWF09, YWCF15, ZLZ13, ZDLG17. UT [Ren78]. Utah [ACM01a, CK87]. utility [CSV15, JWH+15, PSZ+07]. Utilization [KCKC15]. Utilizing [GVI13, KOY05].
Virtual [KLF+15, LCWB+11, LMM18, Lam75, Lau87, Law00, LW11, LP14, LMR18, LIW98, LMG00, LMG01, LTE12, Li14, LZL+15, LZWd15, LVM16, LWLL16, LYY17, LGJ+18, LI98, LV99, LTT92, LD05, LY97a, LY97b, LY99, Lyyxx, LYxxb, LYWD15, LVM16, LWLL16, LY18, LKJ13, LKJ14, LP15, KAHS3, KGZ+04, KLLT18].

Virtual [KLF+15, LCWB+11, LMM18, Lam75, Lau87, Law00, LW11, LP14, LMR18, LIW98, LMG00, LMG01, LTE12, Li14, LZL+15, LZWd15, LVM16, LWLL16, LYY17, LGJ+18, LI98, LV99, LTT92, LD05, LY97a, LY97b, LY99, Lyyxx, LYxxb, LYWD15, LVM16, LWLL16, LY18, LKJ13, LKJ14, LP15, KAHS3, KGZ+04, KLLT18].
Virtualization

[Virtualization-Based: [CDD13, AAJD16, DPCA11, MCC18, WDCL08, CGL08a, CGL08b, CGL08c, QZDJ16].

virtualization-driven: [CSSS11].

VirtualKnotter: [ZWC14].

VisualKnotter: [ZWC14].

VisualPower: [NS07].

virtuelle: [WF03, WR07, WR08, Zim05, Zim06].

virtuellen: [CK06a, CK06c, CK06d, CK06g, CK06h, CK06i, CK06k, CK06m, CK06n, CK06o, CK06q, CK06r, CK06s].

Virtuoso: [DGLZ11].

VIRTUS: [IIK06].

Visual: [Fra06, Fra09, MC08, Wil06, Tre05].

Visualization: [WT91].

VLISP: [Ram03].

VLSI: [IN87].

VM: [Ano01a, Ano04a, Ano04b, Ano03a, AB16, ABG14, Att79, Bar78, BN89, BT15, Boz89, Cal75, CBZ16, ESY17, Fis91, FL13b, GH91a, G106, GH12, HXZ16, HC12, HW15, IBM94, LBF12, LJZ12, LWLL10, MSS91, MLA83, NOK16, OJG91, P108, RSNK17, SHW15, SBK15, SNC91, SldLB15,
References


REFERENCES


Aryania:2018:EAV


Aroca:2016:PEA


Antonescu:2016:SSB


Axnix:2015:IZF


Armbruster:2007:RTJ

Austin Armbruster, Jason Baker, Antonio Cunei, Chapman Flack, David Holmes, Filip Pizlo, Edward Pla, Marek Proc’hazka, and Jan Vitek. A real-time Java virtual machine with


Ambriola:1995:DVM


AzanonEsteire:1998:JST


Anjo:2016:DML


Ayoubi:2016:TPB


ACM:1975:PFS


ACM:1981:ASC

REFERENCES

ACM Press, New York, NY 10036, USA, Fall 1981. ISBN ???? LCCN ????


REFERENCES


ACM:2004:PWA


ACM:2004:SHP


ACM:2005:APS


ACM:2005:MPI


ACM:2005:PAI

REFERENCES


REFERENCES


REFERENCES

CODEN SCIPEV. ISSN 1058-9244 (print), 1875-919X (electronic).

Abe:2016:UVM


Aral:1991:PCS


Aagren:1999:TCC


Agesen:2010:EXV


Aguiar:2012:CTF


Aigner:2015:AJE

Martin Aigner, Thomas Hütter, Christoph M. Kirsch, Alexander Miller, Hannes Payer, and Mario Preishuber. ACDC-JS: explorative benchmarking of JavaScript memory management.
REFERENCES

**Anderson:2009:XWL**


**Ahn:2012:RHA**


**Abramson:2006:IVT**


**Adamski:2007:SPE**


**Adams:2005:CMC**

REFERENCES


REFERENCES


Anonymous:1994:SAS


Anonymous:1996:TWJb


Anonymous:1997:BRJe


Anonymous:1997:BFJ


Anonymous:1997:IJV


Anonymous:1997:JVM

REFERENCES

Anonymous:1999:MVM

Anonymous:1999:PII

Anonymous:2000:AJV

Anonymous:2001:CRJ

Anonymous:2001:PJV

Anonymous:2002:CRJ

Anonymous:2003:PJU
[Ano03a] Anonymous. Products: JetBrains upgrades IntelliJ Java IDE; Catalyst’s USB analyzer supports device emulation;


REFERENCES


Anonymous:2015:CXB

Anonymous. Critical Xen bug in PV memory virtualization code (XSA 148). Web bug report, October 29, 2015. URL https://github.com/QubesOS/qubes-secpack/blob/master/QSBs/qsb-022-2015.txt. The report notes about this bug that allows memory pages to leak between Xen virtual machines on the same physical host: “... the bug is a very critical one. Probably the worst we have seen affecting the Xen hypervisor, ever. Sadly,... it is really shocking that such a bug has been lurking in the core of the hypervisor for so many years.”.

Aral:2016:NAE


Ashraf:2018:MOD


Aprea:2009:HVS


Anderson:2005:OII


Mary S. Adix and Henrik A. Schutz. Interpretive execution of real-time control applications. *ACM SIGPLAN Notices*, 11
Abramski:1985:SMV


Abramsky:1985:SMV


Atif:2014:APA


Asyabi:2018:TMT


Amin:2016:JST

[AT16] Nada Amin and Ross Tate. Java and Scala’s type systems are unsound: the existential crisis of null pointers. *ACM SIGPLAN Notices*, 51(10):838–848, October 2016. CODEN SIN-
Amit:2014:VMS


Arianyan:2016:NHC


Attanasio:1979:VCS


Appuswamy:2011:FMF


Agarwal:2017:TAT

Arnold:2005:IVM


Blank:2005:APV


Buytaert:2007:BDS


Bacon:2011:VAH


Baccarelli:2015:MEB


Baden:1982:HPS

REFERENCES


REFERENCES


REFERENCES

Beloglazov:2012:OOD


Beloglazov:2013:MOH


Beloglazov:2015:ONF


Balter:1991:AIG


Barr:2010:VMV

Bhattiprolu:2008:VSC


Bratanov:2009:VMW


Birke:2015:WVM


Bennett:1991:SMC


Bullers:2006:VMI


Barrett:2017:VMW


[BD11] Srikanth Baride and Kamlesh Dutta. A cloud based software testing paradigm for mobile applications. *ACM SIGSOFT
REFERENCES


[BDJs02] Gilles Barthe, Guillaume Dufay, Line Jakubiec, and Simão Melo de Sousa. A formal correspondence between offensive and de-

**Butrico:2008:SEE**


**Bughinon:2012:BVX**


**Baldwin:2009:PSS**


**Bolz:2013:SSC**


**Becker:2009:VIA**


REFERENCES

178, February 2014. CODEN IEANEP. ISSN 1063-6692 (print), 1558-2566 (electronic).

Bagley:1975:SDS


Brawn:1970:SPE


Boszormenyi:2000:SNW


Birmingham:1989:MSC


Bartholomy:2013:NMT


Botero:2013:GNN

REFERENCES


[Bir94] Umesh V. Biradar. Adaptive distributed load balancing model for parallel virtual machine. Master of science in computer science, Department of Computer Science, College of Engineer-


REFERENCES


REFERENCES

137–141, October 26, 1988. CODEN IFPLAT. ISSN 0020-0190 (print), 1872-6119 (electronic).


REFERENCES


Brier:1998:NIA


Berl:2010:NVE


Brorsson:1989:ESV


Brunschen:2007:SSE


Bu:2013:CSC


Blelloch:1990:CCO

REFERENCES

CODEN JPDCER. ISSN 0743-7315 (print), 1096-0848 (electronic).

Burnet:1996:PCP


Branco:2015:TFS


Bairavasundaram:2012:RRS


Burecea:2008:PV


Bhargava:2008:ATD

Ravi Bhargava, Benjamin Serebrin, Francesco Spadini, and Srilatha Manne. Accelerating two-dimensional page walks for


REFERENCES


References

Ben-Yehuda:2016:NPM


Bruening:2012:TDI


Briggs:2017:COI


Caamano:2000:PJS

[Caa00] Paul Caamano. Porting a Java Virtual Machine to an embedded system. Thesis (m.s.), Department of Computer Science, University of California, Santa Cruz, Santa Cruz, CA, USA, 2000. viii + 56 pp.

Christodoulakis:1991:OOA


Callaway:1975:PMT


Carbone:2006:WSH

REFERENCES


REFERENCES


REFERENCES

Cheng:2012:VBP


Cao:2014:EAH


Cheng:2013:DVB


Comar:1997:TGJ


Chafi:2010:LVH


Czajkowski:2002:CSA

Casey:2007:OIB


Chelius:2000:ING


Chang:2013:IVP


Canon:1979:VME


Canon:1980:VME

REFERENCES


Cao:2017:VNM


Cheriton:2012:HAS


Celesti:2012:VMP


Chen:2016:OVM


Chen:2008:OVBa


REFERENCES


REFERENCES


[CK06b] Toralf Chryselius and Andrea Kuntz. *Internetkommunikation in Debian unter Qemu Einführung in das Betriebssystem Debian Linux in Qemu und Vorstellung der wichtigsten Internetprogramme.* (German) [Internet Communication in Debian under Qemu: Introduction in the Debian Linux operating system in Qemu and creation of the most important Internet programs], volume 18 of Schriftenreihe Grenzgänger - Linux leicht verständlich. CVTD, Bergfelde bei Berlin, Germany, 2006. ISBN 3-86768-117-1 (book), 3-86768-717-X (DVD). 109 pp. LCCN ????


Chryselius:2006:IKQa

[CK06e] Toralf Chryselius and Andrea Kuntz. *Internetkommunikation in Kubuntu unter Qemu* Einführung in das Betriebssystem Kubuntu und Vorstellung von Internetprogrammen in der virtuellen Umgebung Qemu. (German) [Internet Communication in Kubuntu under Qemu: Introduction to the Kubuntu operating system and creation of Internet programs in the Qemu virtual machine], volume 6 of Schriftenreihe Grenzgänger - Linux leicht verständlich; Schriftenreihe Grenzgänger - Linux leicht verständlich. CVTD, Bergfelde bei Berlin, Germany, 2006. ISBN 3-86768-105-8 (Buch), 3-86768-705-6 (DVD). 107 pp. LCCN ????

Chryselius:2006:IOV


Chryselius:2006:IOQ


Chryselius:2006:KLQb

REFERENCES


REFERENCES


[CK06n]


[CK06o]


[CK06p]


[CK06q]
REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

//swtch.com/~rsc/regexp/regexp3.html. See also [Tho68, KP99, Cox07, Cox09, Cox12].


REFERENCES


Creeger:2009:CRV


Creeger:2010:MEC


Creeger:2010:MEA


Cruz:2016:DCG


Crowl:1993:CLI


Cohen:1983:PSR


Chiang:2015:SEV

REFERENCES


**[CWS12]** Koushik Chakraborty, Philip M. Wells, and Gurindar S. Sohi. Supporting overcommitted virtual machines through hardware

**Chen:2015:LVS**


**Cui:2017:TAV**


**Czajkowski:2000:AIJ**


**Carbone:2008:TV**


**Dufrasne:2004:IVE**


**Dall:2012:DIE**

REFERENCES


REFERENCES

Davoli:2004:TOS

Dillenberger:2000:BJV

Darcy:1992:USD

Denz:2018:SMB
REFERENCES


Di:2015:ECP


Doyle:2004:DIM


Coutinho:2015:OVM


Duan:2017:EAS


Dong:2012:RAE

REFERENCES


REFERENCES


[DLM+06] Yaozu Dong, Shaofan Li, Asit Mallick, Jun Nakajim, Kun Tian, Xuefei Xu, Fred Yang, and Wilfred Yu. Extending Xen with Intel virtualization technology. *Intel Technology Journal*, 10(3):193–203, August 10, 2006. ISSN 1535-
REFERENCES


REFERENCES


[Do11] Tien Van Do. Comparison of allocation schemes for virtual machines in energy-aware server farms. The Computer Jour-
REFERENCES


Dai:2013:LVM


Drepper:2008:CV


Dowty:2009:GVV


Dragga:2016:GGC


Deng:2008:CCV


daSilva:2016:TAV

REFERENCES


REFERENCES


[ECM06] ECMA. *ECMA-335: Common Language Infrastructure (CLI)*. ECMA (European Association for Standardizing In-
REFERENCES


REFERENCES


Esteire:1998:STN


Eramo:2017:ASF


Esposito:2013:SES


Evoy:2015:ADP


Engel:1999:PJV


Ertl:2003:IVM

URL http://www.complang.tuwien.ac.at/anton/ivme03/proceedings/ivme.ps.gz.


REFERENCES


[FFB+00] Keith I. Farkas, Jason Flinn, Godmar Back, Dirk Grunwald, and Jennifer M. Anderson. Quantifying the energy consump-

**Faibish:2008:SVU**


**Fertig:1991:FVM**


**Forsman:2015:AAL**


**Ford:1996:MMR**


**Freudenberg:2015:SMP**


**Fischofer:1991:VSS**

REFERENCES


REFERENCES


Fu:2013:BSG


Fu:2013:EUD


Flouris:2010:EBL


Fang:2013:VOV

REFERENCES

Franklin:2008:RDV


Anonymous:2014:AVM


Fu:2017:MCD


Feeley:1990:PVM


Filho:2018:AOV


Forum:1971:VMI


Forum:1978:VMI

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Geiselhart:2006:IZV


Gupta:2018:RAV


Gordon:2012:EBM


Gaines:1975:ACV


Galvin:2009:PA

REFERENCES


Goldweb:2008:VEE


Gasiunas:2017:FBA


Gaudiot:1985:PES


Geist:2002:PVM


Genter:1986:UVM


Garzon:1992:DTG


REFERENCES

CMSVAN. ISSN 0360-0300 (print), 1557-7341 (electronic). See [GFH82, WNL+83, Fra83, GHF83b].


REFERENCES


REFERENCES


[GLLJ16] Jian Guo, Fangming Liu, John C. S. Lui, and Hai Jin. Fair network bandwidth allocation in IaaS datacenters via a co-


REFERENCES

Giacalone:1989:FSI


Golub:1993:MER


Guanciale:2016:PSM


Goldberg:1973:AVM


Goth:2007:VOT


Ganegedara:2013:CPA

[GP13] Thilan Ganegedara and Viktor Prasanna. A comprehensive performance analysis of virtual routers on FPGA. *ACM Trans-


[Gre10] David Green. The Sydney University SILLIAC. Web site, August 14, 2010. URL http://members.iinet.net.au/~dgreen/silliac.html. The SILLIAC was the first computer installed at Sydney University, and was operational from 1956 to 1968. The Web site links to the SILLIAC Emulator, a C program for Microsoft Windows.


[GSS+18] Matthias Grimmer, Roland Schatz, Chris Seaton, Thomas Würthinger, and Mikel Luján. Cross-language interoperab-

Gupta:2017:HCS


Garg:2014:SBV


Gilbert:2006:IVG


Gidra:2015:NGC


Guan:2014:HHV

REFERENCES

166

Gum:1983:SEA

Guyer:2014:UJT

Guzdial:2001:UST

Geroﬁ:2013:UMC

Garfinkel:2007:WVC

Habib:2006:X
REFERENCES


Hand:2016:TPH


Hartmann:1977:CPC


Hulaas:2008:PTL


Huang:2012:PEN


Huang:2013:ECS

REFERENCES


REFERENCES

Hale:2016:EHP

Hines:2009:PCL

Hu:2008:SVO

Heege:2007:ECC

Herro:2006:FVT

Herro:2010:SRD
REFERENCES


REFERENCES


REFERENCES

Hofmann:2013:ISA


Hovestadt:2013:AOC


Hao:2017:OA


Hinz:2018:CMI


Huang:2013:ESC


[Hallawi:2017:MCC] Huda Hallawi, Jörn Mehnen, and Hongmei He. Multi-capacity combinatorial ordering GA in application to cloud


REFERENCES


Tuan Minh Ha, Masaki Samejima, and Norihisa Komoda. Power and performance estimation for fine-grained server power capping via controlling heterogeneous applications. ACM Transactions on Management Information Systems
REFERENCES


REFERENCES


REFERENCES


[Iancu:2014:CPV] Costin Iancu. The case for partitioning virtual machines on multicore architectures. *IEEE Transactions on Parallel and
REFERENCES


REFERENCES


REFERENCES


REFERENCES


[IMK+13] Canturk Isci, Suzanne McIntosh, Jeffrey Kephart, Rajarshi Das, James Hanson, Scott Piper, Robert Wolford, Thomas Brey, Robert Kantner, Allen Ng, James Norris, Abdoulaye Traore, and Michael Frissora. Agile, efficient virtualization power management with low-latency server power states. ACM
REFERENCES


Iacobovic1:1987:VSP


IBM:1988:VMSb


ISO:2005:IIa


ISO:2005:IIb


ISO:2006:ITCb

REFERENCES


REFERENCES


[Jo:2013:ELM] Changyeon Jo, Erik Gustafsson, Jeongseok Son, and Bernhard Egger. Efficient live migration of virtual machines using

**Jin:2011:OLM**


**Johnson:2014:CML**


**Jamtliagen:2012:TRD**


**Jolitz:1991:PUS**


**Jung:2002:DIS**

Jang:2011:ERC


Jantz:2013:PPO


Jarray:2015:DAV


Jaffer:2015:IRD


Joshi:2005:DPP


Jo:2010:TFT


REFERENCES

Jacob:2002:CAP


Jin:2015:HAS


Jantz:2013:FAG


Juola:2007:PCO


Jin:2017:WCM


Jia:2015:DRA

Xiaohua Jia, Jinhai Wang, Chuanhe Huang, Qin Liu, Kai He, Jing Wang, and Peng Li. Dynamic resource allocation

[JW+15]

**Jia:2018:OSN**


**Jiang:2012:UNG**


**Jin:2010:GTF**


**Jia:2013:SID**


**Kagawa:2009:WWB**

REFERENCES

ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of ITiCSE ’09.

Kojima:1983:AMI


Kumar:1993:FHS


Kalin:1997:NMP


Kamnitzer:1975:BXI


Kamrad:1983:ROA


Kamga:2013:CFE

REFERENCES

Kao:2017:TEF

[199]


Karcher:2007:VDX

[210]


Kumar:2014:DLB

[210]


Kunjir:2017:TAM

[210]


Kim:2011:PAP

[210]


Kounga:2012:ESP

[210]


Kansal:2016:EAV

[210]


Kim:2015:UWM


Kim:2014:ECS


Kousiouris:2011:ESW


Kang:2014:HSA


Kumar:1978:PEH


[KFF12] Casey Klein, Matthew Flatt, and Robert Bruce Findler. The Racket virtual machine and randomized test-
REFERENCES


**Klappheck:2000:BLE**


**Kannan:2017:HDH**


**Knodel:2016:MLR**


**Krsul:2004:VPM**


**Karnagel:2017:AWP**

REFERENCES


REFERENCES


Motohiro Kawahito, Hideaki Komatsu, Takao Moriyama, Hiroshi Inoue, and Toshio Nakatani. Idiom recognition framework using topological embedding. *ACM Transactions on Ar-


[KLT18] Tung-Wei Kuo, Bang-Heng Liou, Kate Ching-Ju Lin, and Ming-Jer Tsai. Deploying chains of virtual network functions: On the relation between link and server usage. IEEE/ACM
REFERENCES

Transactions on Networking, 26(4):1562–1576, August 2018. CODEN IEANEP. ISSN 1063-6692 (print), 1558-2566 (electronic).


[Kup16] Yossi Kuperman, Eyal Moscovic, Joel Nider, Razya Ladelsky, Abel Gordon, and Dan Tsafrir. Paravirtual remote I/O. ACM
REFERENCES


[KRCH14] Madhukar N. Kedlaya, Behnam Robatmili, Cgiln Cascaval, and Ben Hardekopf. Deoptimization for dynamic language

Kundu:2012:MVA


Kroeker:2009:EV


Kanizo:2017:OVB


Karger:2008:VVM


King:2008:GEI


Kelbley:2010:WSR


REFERENCES

Kaufmann:2013:SCO


Kesavaraja:2018:QEC


Kong:2008:PTD


Kavvadia:2015:EVM


Keller:2010:NVC

REFERENCES


REFERENCES


Laadan:2007:DPV


Le:2011:REC


Levis:2002:MTV


Larson:2009:WSHb


Larson:2009:WSHa


Liu:2013:SPV

Luo:2012:PNV


Lathrop:2011:SPI


Lin:2014:IQA


Li:2015:ARP


Lagar-Cavilla:2011:SVM

REFERENCES


[LJL12] Xiaofei Liao, Hai Jin, and Haikun Liu. Towards a green cluster through dynamic remapping of virtual machines. *Fu-


References


REFERENCES


REFERENCES


REFERENCES

Lopez-Pires:2017:MO


Lopez-Pires:2018:VMP


Lange:2011:MOV


Lin:2012:OVM


Lucchetti:2005:EDR


Lu:2016:VCV

[LRZ16] Yaojie Lu, Seyedamin Rooholamin, and Sotirios G. Ziavras. Vector coprocessor virtualization for simultaneous mul-

[Ludwig:2015:DCM]


[LS15]


[LSS04]


[LTE12]


[LTK17]


[LTT92]
REFERENCES


REFERENCES

Li:2016:VMT


Li:2014:VSK


Luo:2016:OMM


Lindholm:1997:IJV


Lindholm:1997:JVM


Lindholm:1999:JVM


Lindholm:19xx:JVMa

Tim Lindholm and Frank Yellin. *The Java Virtual Machine*. GOTOPI Information Inc., 5F, No.7, Lane 50, Sec.3 Nan Kang
REFERENCES

Lindholm:19xx:JVMb


Lindholm:2013:JVMa


Lindholm:2013:JVMb


Lindholm:2014:JVM


Liu:2018:CAL


REFERENCES

Li:2015:GHB


Lu:2017:FPL


Li:2013:RVS


Li:2015:VMP


Min:2006:FHP

REFERENCES


REFERENCES


CS-1986-034, University of Massachusetts, Amherst, Computer Science, December 31, 1986.

**McHugh:1993:ILC**


**Miller:1998:VMB**


**McCain:2008:MVI**


**Malandrino:2018:VBE**


**Magnusson:2002:SFS**

REFERENCES


REFERENCES


**Matthys:2005:IVE**


**Mzaik:1993:SPA**


**Muller:2006:SVP**


**Mao:2014:RPO**


**Min:2012:VVM**

REFERENCES


[MPF+06] Steve Muir, Larry Peterson, Marc Fiuczynski, Justin Cappos, and John Hartman. Privileged operations in the PlanetLab

**Mylopoulos:1991:IPT**


**Miller:2004:CLI**


**Moreno:2006:NV**


**Minhas:2013:RTH**


**Meier:2017:PVM**


**Malan:1991:MA**

REFERENCES


REFERENCES


References

Computers, 63(9):2245–2258, September 2014. CODEN ICTOB4. ISSN 0018-9340 (print), 1557-9956 (electronic).


REFERENCES

Merrifield:2016:PIE


Merrifield:2017:PIE


Mühlbacher:1975:GIF


Mergen:2006:VHP


Marz:2016:RPC


Munawar:2005:BPB

REFERENCES


REFERENCES

Ng:2001:VEWa


Ng:2001:VEWb


Noll:2013:OFD


Noshy:2018:OLV


Nieh:2012:CBR


Namjoshi:2010:NOP

Neumann:2006:IVT


Nieh:2000:EV


Nejad:2015:TGM


Nowatzki:2015:ASC


Ngo:2015:RES


Nomura:2014:PAM

REFERENCES


REFERENCES


REFERENCES


Omote:2015:IAE


Ostrand:1994:PIS


OConnor:1997:PJV


Ost:2012:EAT


Parziale:2008:ZVL


Parnas:1979:DSE

REFERENCES


Patel:2012:PIF


Pimas:2017:GCE


Pek:2013:SSI


Plotkin:2016:SNV


Plata:1990:ASP

REFERENCES

Porter:2012:RLT


Pelleg:2008:VBD


Pickartz:2018:PCV


Piraghaj:2016:VMC

REFERENCES


REFERENCES


REFERENCES

Petrides:2012:HPD


Picht:2009:XKI


Pountain:1990:SPP


Paulo:2016:EDD


Pftscher:2014:COD


Parmelee:1972:VSV

REFERENCES


REFERENCES


[PW03] Rajwinder Kaur Panesar-Walawege. Views: a platform-independent GUI toolkit for the shared-source Common Lan-
REFERENCES


Benjamin Quétier, Vincent Neri, and Franck Cappello. Scalability comparison of four host virtualization tools. *Journal*
REFERENCES

Quynh:2006:RTI

Qiang:2016:SCF

Russell:2002:SCI

ReFerre:2006:VIS

Rayns:2013:CJS

Rajaraman:1979:PPV
M. K. Rajaraman. Performance prediction of a virtual machine. ACM SIGMETRICS Performance Evaluation Review,
REFERENCES

Ramsdell:1993:RVP


Raner:2002:LJV


Russell:2001:HSA


Rodriguez:2017:BDS


Ramakrishnan:2012:EIV


Rajagopalan:2012:SDT

SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic). VEE ’12 conference proceedings.


REFERENCES


Rosenblum:1999:VVP


Rosenblum:2004:RVM


Rosenblum:2006:IVC


Rosen:2014:LCF


Roussos:2007:SVG


Ramamurthy:2007:PDE


Ryckbosch:2012:VSM

[RPE12] Frederick Ryckbosch, Stijn Polliet, and Lieven Eeckhout. VSim: Simulating multi-server setups at near native hardware


REFERENCES


REFERENCES

CODEN ITCOB4. ISSN 0018-9340 (print), 1557-9956 (electronic).


REFERENCES


Simons:2010:VHP


Samant:2016:HBS


Singh:2015:TVC


Sotiriadis:2017:VMC


Sani:2014:PDF


Shen:2017:DAV


Andrew Schulman. Undocumented corner: Introduction to ‘The Windows 3.1 Virtual Machine Control Block Part 2’ (K.
REFERENCES


Schocken:2009:VMA


Schmeisser:2013:MOE


Schneider:2013:FVM


Simpkins:1993:AVM


Shi:2012:VGA


Sarkar:2001:HPS

[SD01] Vivek Sarkar and Julian Dolby. High-performance scalable Java virtual machines. Lecture Notes in Computer Science,
Sartor:2012:EMT

Jennfer B. Sartor and Lieven Eeckhout. Exploring multi-threaded Java application performance on multicore hardware.


Sedighi:2007:EV


Seecker:2008:EGS


Seeling:2008:L


Soundararajan:2010:CBS


Shuja:2016:SMD


Sier:1999:DID


Sier:2000:DID


Saeed:1992:ICM


Simao:2012:CER

Shanmuganathan:2013:DCU


Schmalenbach:2004:JVM


Stefanovic:2003:OFG


Shen:1991:VTD


Shelburne:2002:PEP


Shippy:2003:PGT


Shao:2013:VOS

Shriver:1989:PTA


Svard:2011:EDC


Sard:2015:PPC


Song:2014:OBS


Sarda:1981:CAD


Suneja:2015:EVI

Signorini:1989:HSM


So-In:2011:VAU


Solaimani:2016:OAD


Simpkins:1992:AVP


Santanna:2017:DIS


Silla:2017:BRG

REFERENCES

Siveroni:2004:OSJ


Sivakumar:2007:CCA


Salehi:2014:RPB


Shi:2012:TSW


Sem-Jacobsen:2013:ELC


Shen:2017:SLC

REFERENCES


REFERENCES


REFERENCES

CANED2. ISSN 0163-5964 (print), 1943-5851 (electronic). ASPLOS ’12 conference proceedings.


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

[Saltzer:1975:PIC]

[Shih:2005:ICA]

[Salimi:2013:BSC]

[Soundararajan:2017:SFC]

[Stark:2001:JJV]
REFERENCES

LCCN QA76.73.J38 S785 2001. US$49.95. Includes CD-ROM with the entire text of the book and numerous examples and exercises.


REFERENCES

Song:2013:PLM


Sciampacone:2010:EMS


Stone:1994:PSO


Sharifi:2012:PED


Stefanovic:2017:TSS


Stoess:2012:LVM


Strauss:2013:FCC


Sun:2013:BJW


Su:2014:RVP


Subramaniam:2008:PST


Subramaniam:2011:PCJ


Samples:1986:SSB


Simao:2013:ADQ


Steindorfer:2015:OHA


Steindorfer:2017:TSP


Sebes:1993:MAL


Sugerman:2001:VDV


Scott:2010:SLV

Swaine:2006:VR


Steinder:2008:SVA


Shan:2012:FIA


Spink:2016:HAC


Song:2018:FRD


Song:2014:ARP

Shuo:2012:PKR


Sohrabi:2017:EEA


Syropoulos:2007:PMV


So:1988:PLV


Stolyar:2013:LSS


Su:2014:EAV

REFERENCES


REFERENCES

Tu:2014:PPP


Tian:2018:MTE


Thiruvathukal:2010:VCS


Thompson:1968:PTR


Thomas:1993:PIS

**REFERENCES**


REFERENCES


REFERENCES


Tsai:1993:LMM


Tamm:1996:LBV


Tu:2013:SDS


Thanh:1982:ITC


Turek:1984:IDV


Turega:1992:CAS

Tupakula:2012:DSB


Toosi:2016:AMC


Tollenaeere:1992:PIC


Tien:2014:EOS


Taheri:2017:VBB

REFERENCES


Upadhyaya:2015:EML


USENIX:1985:SCP


USENIX:1986:SCP


USENIX:1991:PUM


USENIX:1993:PUM


USENIX:1999:PFU

USENIX:2000:P


USENIX:2000:PNU


USENIX:2001:PUA


USENIX:2001:PUC


USENIX:2001:PJV


USENIX:2001:UJV

REFERENCES


REFERENCES


[VdlFCC97] José M. Pérez Villadeamigo, Santiago Rodríguez de la Fuente, Rafael Méndez Cavanillas, and M. Isabel García Clemente. The em88110: emulating a superscalar processor. SIGCSE Bulletin (ACM Special Interest Group on Computer Science
REFERENCES

(December 1997). CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Visegrady:2014:SCV


Visegrady:2014:SCV

[Visegrady:2014:SCV]


Venstermans:2006:BVB


Venstermans:2007:JOH


Venners:1996:UHL


Venners:1997:IJV

REFERENCES


Venners:1997:UHHb


Venners:1997:UHHc


Venners:1999:IJV


Venners:1999:SVJ


VonHagen:2008:PXV


Vitek:2014:CTR

[Vit14] Jan Vitek. The case for the three R’s of systems research: repeatability, reproducibility and rigor. ACM SIGPLAN No-
REFERENCES

vonKoch:2013:LRB

Viswanathan:2000:JVM

vonLaszewski:2001:GBA

Varvello:2016:MPC

vanMoolenbroek:2014:TFL
REFERENCES


[Vallee:2006:OTX]


[Victor:2010:OSS]


[Varadharajan:2014:CSA]


[Venkatesan:2016:SCA]


[Verboven:2013:BBS]

REFERENCES


REFERENCES


[WCC16b] Huang Wang, Xianglan Chen, and Huaping Chen. A cross-ISA kernelized high-performance parallel emulator. *International
REFERENCES


REFERENCES

82, April 2002. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Wesley:1998:WJA

Ward:2003:VWH

Wires:2007:SFS

Williams:2007:VXI

Wagner:2011:SJV

Weng:2013:HCM
Chuliang Weng, Minyi Guo, Yuan Luo, and Minghu Li. Hybrid CPU management for adapting to the diversity of virtual machines. *IEEE Transactions on Computers*, 62(7):1332–1344,
REFERENCES

July 2013. CODEN ITCOB4. ISSN 0018-9340 (print), 1557-9956 (electronic).


REFERENCES


REFERENCES

CANED2. ISSN 0163-5964 (print), 1943-5851 (electronic). ISCA ’12 conference proceedings.


Zhe Wang, Jianjun Li, Chenggang Wu, Dongyan Yang, Zhenjiang Wang, Wei-Chung Hsu, Bin Li, and Yong Guan. HSPT: Practical implementation and efficient management of embedded shadow page tables for cross-ISA system virtual machines. *ACM SIGPLAN Notices*, 50(7):53–64, July 2015. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).


William A. Wulf, Joe Newcomer, Bruce Leverett, Rick Cattell, and Paul Knueven. Surveyor’s forum: Retargetable code gen-


[WP97] Phil Winterbottom and Rob Pike. The design of the Inferno virtual machine. In IEEE [IEE97], page ?? ISBN ?? LCCN ???


REFERENCES


Wang:2016:DMB


Wurthinger:2017:PPE


Wang:2017:RLW


Wright:2006:IJV


Wang:1989:NNS


Wendorf:1989:SOS

J. W. Wendorf, R. G. Wendorf, and H. Tokuda. Scheduling operating system processing on small-scale multiprocessors. In
Shriver [Shr89], pages 904–913 (vol. 2). ISBN 0-8186-1912-0. LCCN ???? IEEE catalog number 89TH0243-6.


[Wang:2011:SHS] Xiaolin Wang, Jiarni Zang, Zhenlin Wang, Yingwei Luo, and Xiaoming Li. Selective hardware/software memory virtu-


REFERENCES


REFERENCES


Hong Yao, Changmin Bai, Deze Zeng, Qingzhong Liang, and Yuanyuan Fan. Migrate or not? Exploring virtual machine


[YGN+06] Yang Yu, Fanglu Guo, Susanta Nanda, Lap chung Lam, and Tzi cker Chiueh. A feather-weight virtual machine for Win-

Yan:2012:VCH


Yamada:2013:TFT


Yang:2017:EJV


Yamanaka:2016:TFF


Yang:2017:VMM

Yang:2014:ICV


Yan:2017:CAE


Yang:2014:MMG


Ye:2010:EES


Yi:2017:CDC

Yang:2014:IGV


Yang:2005:LMJ


Yoginath:2015:EPD


Yang:2017:EEV


Yu:2014:MPP


Yousefipour:2018:ECA

Yeh:2017:PFG


Yan:2014:EFG


Yutaka:2000:EJV


Yurcik:2002:SIS


Yan:2017:HTC


[YWY+17] Song Yang, Philipp Wieder, Ramin Yahyapour, Stojan Trajanovski, and Xiaoming Fu. Reliable virtual machine place-


Xin Zhao, Kevin Borders, and Atul Prakash. SVGrid: a secure virtual environment for untrusted grid applications. In ACM [ACM05b], pages 1–6. ISBN 1-59593-269-0. LCCN ????


Zhang:2017:MAP


Zamorano:2013:ART


Zeng:2015:PPH


Zhang:2018:LFV


Zaman:2013:CAB


Zimmermann:2006:AHM

Alexander Zimmermann, Mesut Günes, Martin Wenig, Jan Ritzerfeld, and Ulrich Meis. Architecture of the hybrid MCG-
REFERENCES

mesh testbed. In ACM [ACM06c], pages 88–89. ISBN 1-59593-540-0. LCCN ????


[Zim05] Dennis Zimmer. VMware and Microsoft Virtual Server: virtuelle Server im professionellen Einsatz; [VMware GSX, ESX und Microsoft Virtual Server; Virtualisierungsssoftware im Vergleich; Planung, Installation und Verwaltung]. Galileo
REFERENCES


Zhang:2018:DIV


Zhang:2014:AIO


Zhou:2018:DNA


Zhang:2015:SSP


Zabolotnyi:2015:JCG


Zheng:2016:VMC

[ZLL+16] Qinghua Zheng, Rui Li, Xiuqi Li, Nazaraf Shah, Jianke Zhang, Feng Tian, Kuo-Ming Chao, and Jia Li. Virtual

**Zhou:2013:OVM**


**Zou:2012:CDA**


**Zhang:2014:VFP**


**Zhou:2018:SFC**


**Zhang:2013:ASD**

REFERENCES

Zhang:2015:MCV

Zhang:2019:CFV

Zheng:2014:CCM

Zakkak:2014:JJM

Zhang:2016:CGS

Zoppke:2006:VLE
Till Zoppke and Raúl Rojas. The virtual life of ENIAC: Simulating the operation of the first electronic computer. *IEEE
REFERENCES


Zhang:2006:SPV


Zhang:2007:DIB


Zhu:2017:VLV


Zou:2014:VOV


Zhang:2019:EAV

Zhou:2017:NFA


Zhang:2017:CBV


Zhao:2009:DMB


Zhao:2018:PAP


Zeng:2016:VEF

Zhong:2015:VBM


Zytaruk:1994:WVMa


Zytaruk:1994:WVMb


Zhan:2018:HPV


Zhao:2006:DFS