

A Complete Bibliography of Publications in the *IBM Systems Journal*

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

Tel: +1 801 581 5254

FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org,
beebe@computer.org (Internet)

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

14 September 2024

Version 2.65

Title word cross-reference

[Cle95]. **21st** [ÖLL07].

+ [CEH⁺94]. e^x [Spi66].

0-07-911795-3 [Ano96a]. **0-201-62878-3**
[Rac96]. **0-471-12993-3** [Ano96a].
0-8129-91180-X [Ano02a].

1-884777-09-0 [Ano96a]. **1-Based**
[AJM⁺83]. **1.0** [Cas06]. **1980s**
[Fra79, WGB99]. **1990s** [Cor89, Got92].
1997 [Ano97c]. **1998** [Ano99b].

2 [CM88, CRTW88, Cru84, DO84, Fer91,
Fer92, HD88, HZ84, KR88, Miz88, Sal88,
Sch73, Sel06, Syk88, TG84, Wat88]. **2.0**
[Cas06]. **2.6** [BS05]. **2000** [Abo99]. **20th**

3.0 [GHM⁺05]. **3090**
[AGMS89, ALPC88, HMS92, SPS⁺91].
3090/VF [ALPC88]. **3270** [Ghi85].
3270-PC [Ghi85]. **36** [SKG⁺87]. **360**
[Amd64, BFS67, BB64, Bla64, Cen67, Cla66,
FIS64, Fre66, Gou69, LGM69, Mea66, Pad64,
RM67, Ste64, Tuc67, Wit66]. **370**
[AMP76, Att79, Buc86, Cal75, CW81,
CKB89, Fla85, HL76, HPSS79, KLS84,
Pla89, SGS89, SM79, SS78, Tet79, TB84]. **38**
[Bot82]. **390** [DDMS97, DBC⁺00, KBB⁺97,
KDY97, NMCB97]. **3D** [EDG⁺96].

400 [Cha89, CC89, Pin89, ST89, ST99].

6000 [ABDD⁺91, CBH⁺92].

7 [Col74, RGH⁺76]. **7040/44** [WT64].

801/Reduced [Hop87]. **88** [HS87].

9370 [AG90, BPZ90, GL90].

A.I [Ano02a]. **ABC** [AOK⁺95]. **ABLE** [BSP⁺02]. **Abstract** [ALP83, CJ04].

Abstracts [Ano66a, Ano66b, Ano66c, Ano66d, Ano67a, Ano67b, Ano67c, Ano67d, Ano68a, Ano68b, Ano69a, Ano69b, Ano69c, Ano69d, Ano70a, Ano70b, Ano70c, Ano70d, Ano71a, Ano71b, Ano71c, Ano71d, Ano72a, Ano72b, Ano72c, Ano72d, Ano73a, Ano73b, Ano73c, Ano73d, Ano74a, Ano74b, Ano74c, Ano74d, Ano75a, Ano75b, Ano75c, Ano75d, Ano75e, Ano76a, Ano76b, Ano76c, Ano76d, Ano77a, Ano77b, Ano77c, Ano77d, Ano78a, Ano78b, Ano78c, Ano78d, Ano79a, Ano79b, Ano79c, Ano80a, Ano88e, Ano93a, Ano94a].

Access [AR76, BGT96, BR92, BE77, GWM75, IKS⁺95, Nah74, BBFK05, BE01, BET72, BGG⁺95b, CHNS95, DCB⁺01, Dei92, ES05, GSN⁺01, GGW02, HSK⁺01, SGS89, SS94, WRS04, Ber88, SCO03].

Accessibility [BBFK05, BFH⁺05, EPTD05, HBC⁺05, HB05, MFJ05, THR⁺05].

accessible [HGB05, MDC⁺05, WSKW⁺03].

Accessing [PCC⁺98, Sen77, SAAF73a, SAAF73b, SAAF73c, TLRH98]. **accessors** [TJ00]. **accommodate** [BFH⁺05].

Accounting [GJS75, RS72, Sel08].

Achieving [MBC08]. **Acknowledgment** [Ano70e]. **acoustic** [SR96]. **Across** [AS82].

action [VW06]. **actionable** [HMP02].

Active [SBE⁺00, JG07]. **activities** [Kra03].

Activity [CFL⁺06, GMM⁺06, MGM⁺06, RS98, SLW66, GMM⁺06]. **Activity-centric** [GMM⁺06]. **actuation** [Par96]. **actuator** [CCC⁺08].

AD [AHS90, Hem90, MMNR90]. **AD/Cycle** [AHS90, Hem90, MMNR90].

adapt [LS00]. **adaptable** [CNL08]. **adapter** [LS05, Syk88]. **Adaptive** [AEE⁺97, Sha65a].

ADD [Ger62]. **Addendum** [Ano73e].

Adding [EN07]. **addition** [Swe65].

Address [AJ73, Ryd83, AJ99]. **addressed** [Gri63]. **Addressing** [Buc63, DF07, Hei63].

Adele [Rac96]. **administration** [TB05].

Administrative [Gla78, Wim71].

Adopting [GHM⁺05, HLT94]. **adoption** [JEF04, VCS⁺08]. **Advanced**

[Alf91, AFM03, Ben86, GHH⁺83, Kas86, Mac74, PSLB97, SBL⁺94, SKG⁺87, BBGB92, DL89, EOO⁺06, CMW87, DL89, GCF⁺87, HP93, LS87, dPBM88, dP88, dM93].

Advancements [MLDF08]. **Advances** [BBC⁺95]. **advantages** [Inm98]. **Advisor**

[Rof01]. **Aeronautical** [Lue70]. **Affect** [NOR03]. **Affecting** [Tha84]. **agenda**

[JMP02]. **agents**

[CFL05, DHPB03, Elo95, LM96, RM00].

aggregator [Zha98]. **Aid** [Sme78]. **Aided**

[Mus78, BCFH65]. **AIM** [DL89]. **air**

[DDMS95, HR81]. **AIX**

[LS87, CBH⁺92, WBSK87]. **Alan** [Lor94b].

alert [Moo88]. **Algorithm** [ApS64, Bre65, Ahu68, DeM68, Men68, SL67, WB69].

Algorithms

[BBDT84, Yar65, AEE⁺97, Bel66, HK65, MPS71, VAH⁺02, YFS94, Yel03]. **Aligning**

[Hes05, IJM93]. **alignment**

[BW93, HV93, HV99, LLO93, Nor93].

Alistair [Cra95]. **alive** [Pen00]. **all-atom**

[DK01]. **alliances** [PH01]. **allocation**

[LPR⁺07, WB69, Wit63]. **alphabet** [LC03].

Alternate [Yuv80]. **ambient** [ES05, HR81].

Among [Moo83]. **Analysis**

[Bar75, BBDT84, GS04, KCLR05, Man74, MPS71, MPH68, Mis83, Par82, RS73, Yuv80, dL78, ABLU00, ALPC88, BCFH65, BD66, CW65, EDG⁺96, Fer71, HH66, IFM⁺01, Kos63a, LR67, LS91, Lew66, McD96, Men68, Mis81, NN01, OT94, Oka68, PCFY07, Rad66, SLW66, STTA08, Ste79, Swe65, TRL⁺08, VPH⁺08, WYB98, ZLK⁺07].

analyst [Ars05]. **Analytic** [Dei82, AW72].

analytical [GKB⁺03]. **Analytically**

[LPR⁺07, ANPT02, GCG⁺04, MMS⁺04].

Analytics-driven [LPR⁺07]. **Analyzer** [ACP84, Pow83, OT94]. **analyzing** [CN08]. **Anniversary** [Cle95]. **annotation** [LI01]. **API** [AKR⁺95]. **APL** [ATC77, Alf91, ASW91, Ano73e, Fal91, HL76, Ive91, Kol69, McI91, NJ80, TAR85, Tri91, Wah72, Whe91]. **APL2** [BC91, JB91, JF91, Tho91, Wil91]. **Apollo** [Qua70, SH68]. **APPC** [Vos92]. **APPC/MVS** [Vos92]. **appliance** [ELM⁺99]. **Application** [Ahu88, ACP84, AJ05, Ano68g, Bay98, Bie97, BCHM80, FV01, Gar83, Gor80, HHM04, HBBWS01, JDK⁺91, LR02a, MV80, Rog83, SR93, Ste82, Tha84, WG88, WBC04, Wol88, All71, AP90, BFSLT08, BCF⁺04, BCE⁺94, BBGB92, BCE67, Blu64, BKP64, BCG⁺89, CGG90, Coc93, Coc99, CRTW88, DGK96, Dev67, Dew90, EG64, FL04, FP90, GCS97, HDH88, Hen98, Hou93, Kee67, Kre01, LR67, Min92, NNH⁺05, ORBdSB02, PTE⁺95, Rym90, SB93, Sew67, Ste93, Sud67, Vel64, Vos92, WM93, WA02b, van00, Cha89, CC89, Pin89, ST89, ST99]. **application-oriented** [BCE67, Dev67, Kee67, LR67, Sew67, Sud67]. **Applications** [Bak80, BBG⁺00, BKK⁺02, Bjo75, HG86, Mau83, RH77, SS78, Wil86, Alf91, AKR⁺95, ABW⁺08, BBE⁺97, Bev00, BDS88, CdVF⁺06, CDM⁺04, CD68, CCC⁺08, CMCD94, CHL⁺00, CEH⁺94, DL89, DBC⁺00, DMRS88, Fli97, GMTW08, HHSS01, HZ92, Haz96, HGB05, JR04, KKL06, LR97, LH97, MOB⁺08, MPF97, MGM⁺06, NNH⁺05, PBS97, PBv97, Rof92, Sal88, SZ88, SC97, THR⁺05, WA02a, WRS04, WLE⁺97, Yeo05, dLMSC89]. **applied** [HR81, SBL⁺94]. **Applying** [Hes05, ZMF02]. **APPN** [AB92, BBC⁺95]. **Approach** [BBN96, Bro85, DM75, Jen79, Jon85, LC80, NJ80, Ryd70, Sch80a, Yuv80, ABLU00, ATJ92, BGP62, BM99, BGL⁺05, BRM02, BIJ06, CN08, Col95, GKB⁺03, HLT94, Hen98, Hou93, IG04, KOH⁺07, KHC02, KBC⁺07, MQR05, MBBD98, Min92, MKGR07, NC03, Sch93, SKA86, WCV69, Wei79, WBC04]. **approaches** [CH06, FK02, Shu89, Shu99]. **approximating** [EW66]. **Arabic** [ESH89]. **Arch** [Nae94]. **archaeology** [Rei89]. **Architect** [ABK⁺06, LNH06]. **Architectural** [ABK⁺06, JMZ92, McC78, BS04, BAC⁺81, BAC⁺99]. **Architecture** [Ber84, Bir73, Boh98, Buc86, CEH⁺94, GY82, Hei85, Hen86, JDK⁺91, Len78, Lor86, ML84, Mat86, MS80, MV80, MS85, PMM83, RROC85, Rog83, SR06, WCG⁺80, AMM⁺95, AMM⁺99, ABLM95, AB92, ABW⁺08, BL95, BCE⁺94, BFH⁺94, Bay98, BBWL05, BBC⁺95, BCD⁺07, BET72, BGG⁺95a, CGHK98, Che01, CK05, CBC⁺05, Cyp92, DY92, DFGS92, DM88, EOO⁺06, EPTD05, FS05, FNS04, GS99, GFS03, GGKS02, GCG⁺04, IKS⁺95, IG04, JEF04, KKL05, KBC⁺07, LMPR07, MSB⁺07, MICG95, MMS⁺02, McD99, MMNR90, NMB04, NLN⁺07, NG05, OCK⁺92, OJG91, Pad68, RW04, Rym90, SGS89, SHLP05, SL95, SH87, SZ92, THR⁺05, Wal07, WSP⁺02, YRPSK99, Zac87, Zac99, van00, Ahu79, Ahu88, Ake89, AR76, Ano76j, CKB89, Cul76, EHJ77, FFK92, FL04, Hak90, Hob76, IG04, JD91, LMJW93, MMS⁺04, McF76]. **Architecture** [Pau07, Pla89, SGS89, SB82b, Ste93, WG88]. **Architecture/370** [CKB89, Pla89, SGS89]. **Architectures** [Gre79, SB82b, Sow02, dPBM88, AT06, Ber92a, HRL99, HGB05, KDY97, LG99, VL05]. **Archival** [CM77]. **Archiving** [Gra78]. **Area** [Bux84, Zim96, CHNS95, SVM⁺03, Sum89]. **areas** [Ano68g]. **Arguing** [Ano02a]. **Ariadne** [LHT⁺07]. **Arithmetic** [Swa90, BHS⁺65]. **array** [MMS98, RC69]. **art** [MLDF08]. **artful** [HYJK06]. **Artifact** [BCK⁺07]. **Artifact-centered** [BCK⁺07]. **artifacts** [NC03]. **Artificial** [HG86]. **arts** [Mac00]. **AS/400** [AM90, Bot89, KDA⁺94, SLD89]. **Asparagus** [Neg96]. **Aspect**

[CC05, HOST05]. **Aspect-oriented** [CC05, HOST05]. **AspectJ** [CC05]. **Aspects** [ADD68, Mue67, CGP68, DF07, FS72, Lip68, Oka68, Pad68]. **assembly** [Ano65f, Ano65g, Bak65, Cal65a, Cal65b, Dzi65, Gor65, Loe65, Sha65a, Tal63]. **assertions** [CJ04]. **Assessing** [Pea82]. **assessment** [Lor79]. **Asset** [Wei05]. **Assets** [Lar06, Hua98]. **Assignment** [Day70]. **assistant** [PLGB90]. **assisted** [GH79]. **associated** [ACO⁺91]. **associative** [Sym68]. **Asymmetric** [HPSS79]. **Asynchronous** [Cav95]. **Athena** [AR92]. **Atlantic** [AOFH92]. **ATM** [CA95, OSK⁺95, SB95]. **atom** [DK01]. **Attach** [HZ84]. **Attached** [TB84, GM03]. **Attachment** [MS80]. **attacks** [LM93]. **audio** [SR96, Moo90]. **Audit** [Bjo75]. **auditing** [JG07, RCP07]. **Augmentation** [DP86, KB00]. **augmented** [BMMR96]. **Author** [Ano69e, Ano81a, Ano84a, Ano94b, DFS94, DK79a, DM76, Mor79, WF77a, Ano70l, Ano71j, Ano72j, Ano73k, Ano74m, Ano67e, Ano68c]. **Authorization** [Fri70, SGS89]. **Authors** [Ano63a, Ano64a, Ano64b, Ano64c, Ano65a, Ano65b, Ano65c, Ano66e, Ano66f, Ano66g, Ano66h, Ano67f, Ano67g, Ano67h, Ano67i, Ano68d, Ano68e, Ano68f, Ano69f, Ano69g, Ano69h, Ano69i, Ano70f, Ano70g, Ano70h, Ano70i, Ano71e, Ano71f, Ano71g, Ano71h, Ano72e, Ano72f, Ano72g, Ano72h, Ano73h, Ano73f, Ano73g, Ano73i, Ano74e, Ano74f, Ano74g, Ano74h, Ano75f, Ano75g, Ano75h, Ano76e, Ano76f, Ano76g, Ano76h, Ano77e, Ano77f, Ano77g, Ano77h, Ano78e, Ano78f, Ano78g, Ano78h, Ano79d, Ano79e, Ano79f, Ano79g, Ano80b, Ano80c, Ano80d, Ano80e, Ano81b, Ano81c, Ano81d, Ano81e, Ano82a, Ano82b, Ano82c, Ano82d, Ano88e, DFHS90]. **Authorship** [Ano70e]. **Automated** [Gar81, Orw00, Pra83, RH77, WA02a, ACGL04, DDK⁺04, GCS97, ZMF02]. **Automatic** [BM83, BFVY96, Han70, Sha79, GY67, Wot93, BARM97]. **Automating** [HB85]. **Automation** [Col74, LCS82, MCE⁺86, Ran02, CG77, DDMS95, HFB⁺08, Iri92, SB93]. **Automatist** [DM97]. **Autonomic** [BBC⁺03, HDS03, AHS⁺03, BSP⁺02, BCD⁺07, CPW03, GC03, JBB03, LPPC03, MLR03, RMC03, RMDN03, SSM⁺04, THL⁺03, VSC⁺03, WPT03]. **autonomous** [NOR03]. **Autopilot** [MBB⁺07]. **AutoTune** [DHPB03]. **Auxiliary** [Sym68, RC69, SLW66]. **Auxiliary-storage** [Sym68, SLW66]. **Availability** [Aga85, BARM97, Bro85, KW86, STTA08, AFM03, BS83, BFSLT08, CBCS08, DCH⁺03, HFB⁺08, HH08, HPPS75, JAS08, LDL⁺08, LSH⁺08, MLDF08, MBC08, RMP08]. **available** [SBC⁺08]. **Avoiding** [Hav68]. **aware** [LLS⁺06, PY08, SB00a]. **backup** [KJP03]. **bad** [HT06]. **balanced** [SKA86]. **balancing** [SM01]. **balloon** [Par96]. **bandwidth** [Luc96]. **Bank** [Gra78]. **banking** [BW93, BL73, GB07]. **Banks** [LK96]. **Base** [AA76, Bjo75, Jon77, McG77b, PMM83, RH77, Sen77, Wat79, WFS80, FC92, GM91, Kah84, San81, SAAF73a, SAAF73b, SAAF73c, Zlo77, Yeo05]. **Based** [AJM⁺83, CBG⁺82, HBR86, Kra78, VR86, ACGL04, ABB⁺03, BEH⁺06, BBS02, Bov96, BCL⁺04, CHPW07, CH06, DP95, ETD07, Elo95, FHP02, GSBH⁺89, GOS05, Hem90, HBM⁺04, IMMB01, JOZG02, KHC02, LS91, LR97, LHJ⁺07, LHT⁺07, MLA91, PORG00, SSR87, Sel08, Sha79, SWS06, SJL⁺04, TVPL94, THR⁺05, Wot93]. **Bases** [BE77]. **Basic** [JBB03]. **basis** [CJ04]. **Batch** [McG77c, Hob72]. **Battle** [Ano02a]. **BEAM** [TRL⁺08]. **beginning** [TLRH98]. **Behavior** [Boi74, AHS⁺03, Boi99, Par96]. **being** [Neg00]. **beings** [Neg00]. **believing** [BEF⁺07]. **Bell** [Cra95]. **Benchmark** [Nai95]. **benchmarks** [AAC⁺95, BDF⁺00, HSY01]. **Benefit** [Par82, Str72]. **Best** [KAN⁺07]. **better**

[LM96]. **Between** [GHMWB84, Jen79, Gor71]. **Beyond** [Dav93, Dav99, HYJK06, KJP03, DCH⁺03]. **biased** [ABDD⁺91]. **bibliography** [Lor71]. **big** [Pap00]. **bills** [Chu63]. **BIMS** [ÖLL07]. **biobanking** [ÖLL07]. **bioinformatics** [GSN⁺01, STF⁺01]. **biomarkers** [HCR⁺07]. **biomedical** [LRHH04, SRCV06, UMN⁺04]. **biopharmaceutical** [HCR⁺07]. **BiProcessor** [Ber92a]. **bit** [Orw96]. **blade** [STTA08]. **blink** [BMMR96]. **block** [BBET71]. **blocks** [JBB03]. **Blue** [IBM01]. **blueprint** [HLM95, Col95]. **bodies** [Sma96]. **Book** [Bon84, JCT⁺97]. **Books** [Ano77i, Ano77j, Ano78i, Ano78j, Ano79h, Ano80f, Ano82e, Ano82f, Ano87a, Ano87b, Ano88a, Ano88b, Ano88c, Ano89a, Ano89b, Ano89c, Ano90a, Ano90b, Ano90c, Ano90d, Ano91a, Ano91b, Ano91c, Ano92a, Ano92b, Ano92c, Ano93b, Ano93c, Ano93d, Ano93e, Ano96a, Ano97a, Ano97b, Ano98a, Ano99a, Ano00, Ano01a, Ano02a, Ano03a, Bec95, Cav95, Cle95, Cra95, Den03, Hai89, Hed03, Joh95, Lor94a, Lor94b, McQ94, Nae94, Rac96, Vet95, Wat94b]. **bookshelf** [FHK⁺97]. **both** [Sam88]. **Box** [HM93, MLH87, LTL⁺08, Odo90, SDE⁺06, Tag90]. **Box-structured** [HM93]. **BPEL** [KKL⁺04]. **brick** [vdS00]. **Bricks** [RMSS96]. **BRICO** [Haa00a]. **Bridging** [Bun00, FKS⁺02, FKS⁺03, LH97]. **bring** [VMKB05]. **Bringing** [SCK02]. **BroadBand** [IKS⁺95, Cav95, EOO⁺06, OIS⁺06]. **broidery** [PORG00]. **Broker** [CDF⁺98]. **Brooks** [Cle95]. **browser** [HBC⁺05]. **BT** [Nai95]. **buffer** [BD66]. **buffering** [Woo70]. **Buffers** [TG84]. **build** [GCG⁺04]. **Building** [AAB⁺05a, Ben86, Buc85, Cav00, DBC⁺00, FL04, HST06, Ste93, Vre03, Yeo05, BSP⁺02, DAK00, JBB03, KHC02, Pau07]. **bulkload** [KM06a]. **bullet** [May94]. **bundling** [WLB⁺07]. **bus** [CNL08, SHLP05]. **Business** [Ano96a, ABD⁺97, Bev00, BS04, CBC⁺06, CN08, DDK⁺01, EN07, Hel81, Kat90, KKL06, KKL⁺04, LTL⁺08, McD96, MGM⁺06, NNH⁺05, NC03, RS73, Rom08, SB82a, AAB⁺07, Ano73e, Ars05, BKK⁺02, BCC⁺01, BW93, BCL⁺04, CdVF⁺06, CGH⁺05, CDK08, CKKS02, Dav93, Dav99, DB08, DM88, FSSS01, FK01, FV01, GGW02, GKB⁺03, Hae03, HHSS01, Hes05, HYJK06, IJM93, JL00, KKL05, KBB⁺05, KHSW05, KNN⁺01, LA94, LRS02, LMX07, LLO93, LSH⁺08, MBB⁺07, McD99, NLN⁺07, PCC⁺98, PV97, PCH93, PBv97, Rap04, SMK⁺02, Sch93, SR06, SD03, Smi01, Ste93, TRL⁺08, VCS⁺08, Wah72, Wal07, ZLK⁺07, Zlo82, SFJ⁺94, Zac82, van00]. **Business-driven** [NNH⁺05]. **Business-process-driven** [LTL⁺08]. **Business-to-business** [DDK⁺01, BKK⁺02, GGW02, SMK⁺02]. **Business/enterprise** [Kat90]. **Businesses** [LK05]. **bytecode** [CFL05].

C [Cra95, Nae94, AOK⁺95, AKR⁺95, Fer91, RS85]. **Cache** [Gro85, Boz89, Lip68, BCF⁺04]. **Cache-DASD** [Gro85]. **CAD** [dLMSC89]. **CAFASP** [SF01]. **calculation** [Mon67]. **calculations** [RC69]. **call** [LLS⁺06, VW06]. **calls** [Fah02]. **Cam** [Laf68]. **Can** [Ste82]. **Capability** [For78, KMT85, KLS84, GTC68, KMT86]. **Capacity** [Dei82, Mis81, NOR80, Bro80, Co080, Maj81, Sch80b]. **capital** [Sin03]. **Capitalizing** [Hua98]. **car** [WB69]. **cards** [HHSS01]. **Care** [MV80, BBC⁺07, EBKT07, ETD07]. **CAS** [BDG⁺94]. **Case** [BBC82, FW75, TMF06, BBS02, Bri90, BMK02, CCHJ94, CNS⁺08, Cha66, CHL⁺00, DAK00, HS08, JMZ92, Kra03, PB90, PCH93]. **Cases** [BM83, Han70, RMS06, WA02a]. **CASP** [SF01]. **Catalog** [LHJ⁺07]. **Catalog-based** [LHJ⁺07]. **Catalyst** [DB08]. **Catapults** [Bou98]. **categorization**

[JOZG02]. **Causal** [HAB⁺92]. **CCITT** [SSR87]. **CDI** [ITIW07]. **celebrates** [Bla98]. **Cell** [EOO⁺06, OIS⁺06]. **Center** [Gha75, Hir81, RMH08, Bau93, CDK08, HKS71, Lew76, LLS⁺06, Ham82]. **centered** [BCK⁺07, KK03]. **Centers** [KM89]. **Centralized** [Str73]. **Centralized** [Lor94a, Fis91, Wei79]. **Centre** [PSLB97, SBL⁺94]. **centric** [BGT96, GMM⁺06, HST06, PVK08, RHC⁺06]. **Century** [Ano02a, Ohm86, ÖLL07]. **Cerutti** [McQ94]. **chain** [Alt08, KBB⁺07, Sin03]. **chains** [GOS05]. **Challenge** [Cor89, BT84, Caf08]. **Challenges** [Sch03, SCK02, BVP93, ES05, GM03, HGW01, KNN⁺01]. **Change** [MS85, Orl73, DB08, MQR05, NS05, WAB⁺07]. **Changes** [FW75, BFH89]. **Changing** [CBG⁺07, Mac79]. **Channel** [BET72, Pad64, CW65, Gay66, HZ84]. **character** [Meg64]. **Characteristic** [MW66]. **Characteristics** [HSY01, HS03, SL75, BCE67, CC89, HD88]. **characterization** [AJ05]. **Charlie** [Joh95]. **Charting** [Lue70]. **charts** [Mon62]. **Cheap** [Orw96]. **check** [BM72]. **check-clearing** [BM72]. **Checking** [BM83, LMX07, MMS98]. **Checkout** [Mar73]. **chess** [SF01]. **Chief** [Bak72]. **Children** [Eva96]. **choice** [VPH⁺08]. **Choices** [GG87, Tho88]. **choreography** [KKL⁺04]. **chronic** [HAB⁺92]. **chronically** [KMSM⁺07]. **CICS** [AS82, BCCN01, BDM97, Dei92, Dei82, EHJ77, Sea80]. **CICS/ESA** [BDM97]. **CICS/VS** [AS82, EHJ77, Sea80]. **cinematic** [DAB⁺00]. **CIO** [NA07]. **CIO-led** [NA07]. **circus** [SDP00]. **Clark** [Ano96a]. **classification** [Kos63b, LC01]. **Classroom** [Abo99]. **Cleanroom** [HLT94]. **clearing** [BM72]. **Client** [HN98, KJBH⁺00, MPF97, PHG⁺04]. **client/server** [KJBH⁺00, MPF97]. **clinical** [ITIW07, SD07, WND07]. **clinical-decision-intelligence** [WND07]. **clinical-genomics** [SD07]. **Clockwork** [RMC03]. **Clubhouse** [RR96]. **Cluster** [KDY97, NMCB97]. **clustering** [JAS08, KM06a, LC01]. **clusters** [SPS⁺91]. **CMS** [SNC91, DK79b, Rei79]. **Co** [Syk88]. **Co-Processor** [Syk88]. **COBOL** [Dor63, Fli97, Sal88]. **COBOL/2** [Sal88]. **Code** [ER70, Fag76, BFVY96, Fag99, Hal77, LHT⁺07, OT94, SRM⁺98, SL75]. **Code-Generation** [ER70]. **Coding** [TC69]. **coherency** [HKS08]. **collaboration** [ABLM95, GMM⁺06, NS05]. **collaborative** [KM06b, LI01, MGM⁺06]. **Collecting** [DP95]. **Collection** [EGH⁺05]. **collective** [CK98]. **Colombo** [CDK⁺05]. **Color** [JB96]. **Combining** [CBCS08, KKL⁺04]. **combustion** [PGM⁺92]. **come** [Pru01]. **Commerce** [Rof01, BKK⁺02, Con97, DPR⁺02, GGW02, DPR⁺02]. **CommercePOINT** [Con97]. **Commercial** [HBR86, Som84, Ano85b, Bev00]. **commitment** [RS98]. **Common** [GS04, BBD⁺92, Par96, Ahu88, Ber88, BR92, JDK⁺91, JD91, LMJW93]. **CommonPoint** [DGK96]. **commonsense** [MMS⁺02]. **Communication** [GJ87, GHH⁺83, Jen79, Joh95, LC80, McG77d, Moo79, SB97, VW06, ABLM95, CN08, Eis67, GB00a, HZ84, JB96, SHFG95, SKN06, TC81, Zim96, Zim99]. **Communication-minded** [VW06]. **Communications** [Ahu88, DSM83, FG83, GJ87, Har80, Sul83, Vet95, Bra79, Cyp92, EGLT79, GM91, MO90, Omi81, PTE⁺95, Sch83, Ste79, Wei79]. **Communities** [LS01, Mar01, BCE⁺96, GR01]. **Community** [Ben96, AAB⁺05a, CGRW07]. **Comparative** [Lam84]. **Comparing** [WPT03, Woo69, Ano70k]. **comparison** [Rob01, Zac82]. **compatible** [AAB⁺05b]. **compensation** [CGV⁺02]. **Competitive** [Yel03, BVP93, GSBH⁺89]. **compilability** [Jac77]. **compilation** [Hai65, PMK⁺06, PVW91]. **Compiler**

[Day70, EGH⁺05, Mar73, RG85, RS85, BBD⁺92, Dor63, EOO⁺06, Hai65, Lar63, SOT⁺00]. **Compilers** [ER70]. **Complementarity** [LM93]. **Complex** [Duk75, Alm72, BHR89, Far87, KS03, MOB⁺08, Ste79]. **Complexes** [MCE⁺86]. **Complexity** [BR08a, Bur96]. **Compliance** [JG07, BEF⁺07, DF07, KAN⁺07, LMX07, RCPR07]. **compliance-checking** [LMX07]. **complicated** [KS03]. **Component** [van00, Yel03, CDF⁺98, EN07]. **components** [STF⁺01, TJ00]. **Composite** [Mye76, Jac77]. **Comprehensive** [GDD⁺01]. **compressed** [Rob01]. **Compressing** [Cra95]. **compression** [Luc96]. **Computation** [Spi66, FS72, Ger96b]. **Computational** [DK01, HGW01, Luc96, MMS00]. **Computationally** [BMMR96]. **computations** [HD88, KKS88, SSH88]. **Computer** [ATC77, Boi74, CW65, Dea82, Dim63, DM75, Fre73, GJS75, Han80, JMV69, KLS84, LT89, LS00, Mat86, MK73, MCE⁺86, Mus78, Ohm86, Rei76, RG85, Str75, Sum84, Swa90, ABB⁺03, BGP62, Bel66, BBET71, Ber88, BCFH65, Boi99, Bre65, BRM02, CC87, COC63, GH79, HS87, HS03, KK03, Koi89, Lew66, Lew76, Meg64, SB00a, SF01, VAH⁺02, Cla85, Hop87, RR96, TAR85]. **Computer-Aided** [Mus78, BCFH65]. **computer-assisted** [GH79]. **Computer-Dependent** [Str75]. **computer-operated** [COC63]. **Computers** [Bra81, KLRP86, Mur84, All99, AS99, BHW99, BG64, CFP⁺95, Fra79, Pic00, Sha79, d'A89]. **Computing** [Ano96a, Bra79, Cha70, DP86, Gar83, Gha75, GWM75, Gla78, KMT85, McQ94, Str73, AR92, Ars05, BBC⁺03, BGT96, BCD⁺07, BCL⁺04, CBG⁺07, CPW03, Col95, CDK⁺05, DEA99, EAB⁺04, Fis91, GC03, GW89, HKS71, HHM04, HBBWS01, JBB03, JEF04, KMT86, LD99, LPPC03, Mar99, McG72, MMG⁺00, Pal04, PORG00, PW88, Rap04, Res00, RW04, RMDN03, Sch83, Sta96, SSM⁺04, Str72, Swo01, WPT03, WGB99, WB95, Zim99, Lor94b]. **concept** [CGV⁺02, Lew76]. **Concepts** [Bjo75, Kin73, Pla89, RH77, Sch73, Whe74, Ano68h, Cen67, PPTH72, San81]. **conceptual** [GB07, LVW08]. **Conceptualization** [BR08a]. **Concern** [HOST05]. **concordance** [SSV64]. **concurrency** [AOK⁺95]. **Concurrent** [GW89]. **conferencing** [CC87]. **configuration** [Loe65, MSB⁺07, Maj81, WAB⁺07]. **configurations** [LDL⁺08, McN93]. **conformance** [FHP02]. **Connect** [BBC⁺07]. **connected** [GM03]. **connection** [BGG⁺95a, Gro92, Moo90]. **connections** [RHC⁺06]. **connector** [FNS04]. **consequences** [ACMS06]. **Considerations** [Aga85, Mur84, RG85, Sea80, Wag73, Amd64, Ano74k, BDH75, Cha89, Ham82, HPPS75, Pad64, Rof92, Ste63, THL⁺03]. **considering** [Sam88]. **Consist** [vdS00]. **Consistent** [Rog83, Ber88]. **console** [Laf68]. **constraint** [BESZ02]. **Constructing** [KRR80]. **construction** [AC68, Dim63, HK65]. **constructionist** [DAB⁺00]. **Consulting** [LeB08]. **Content** [Hak90, MN06, BCvE⁺05, GNP⁺04, Lip00, SCK02, WRS04]. **Contention** [SA69, Yuv80]. **Contents** [Ano64d, Ano65d, Ano66i, Ano67j, Ano69j, Ano70j, Ano71i, Ano72i, Ano73j, Ano74i, Ano75i, Ano76i, Ano77k, Ano78k, Ano79i, Ano80g, Ano81f, Ano82g, Ano83a, Ano84b, Ano85a, Ano86a, Ano87c, Ano88d, Ano89d, Ano90e, Ano91d, Ano92d, Ano93f, Ano95a, Ano96b, Ano97c, Ano98b, Ano99c, Ano99b, Ano02b, Ano03b, Ano67n]. **Context** [SB00a, Sin03, ACMS06, LS00, LLS⁺06, SL95]. **Context-aware** [SB00a, LLS⁺06]. **Context-specific** [Sin03]. **continuing** [HP93]. **continuity** [LSH⁺08]. **continuous** [AFM03, BS67, FG90, JAS08, MBC08].

continuously [SBC⁺08]. **Contrasting** [BHW99]. **Contrasts** [Mil81]. **Contributions** [EGH⁺05, LVW08, KM89]. **Control** [Att79, Dav78, Dev67, GY82, GWM75, Gla78, GBK83, Hob76, Qua70, SS78, Yel85, Zac82, Ahu79, Alm72, ABW⁺08, Bak65, BGT96, BE01, Bre65, Bro68, DDMS95, DHP02, DK74, Fah02, FC92, GFS03, GGW02, Gor65, Gro89, Gro92, Kee68, Kon93, LM93, Mat91, MLA91, Mug62, PBCK95, RS72, Sha65a, Sha65b, TC69, Tuc67, Yar65]. **Controlled** [HD77]. **Controller** [DW85, FG83]. **Conventions** [Eis67]. **Convergent** [SF01]. **conversation** [SKN06]. **Conversational** [Bro68, GTC68]. **conversion** [DY92]. **Cooperative** [GHMWB84]. **coordinated** [BCSW91, BBMA91, MSS91]. **Coordination** [CK98, NMB04]. **coprocessors** [SS01]. **copy** [GMTW08]. **CORDS** [ABC⁺95]. **Core** [NLN⁺07, JL00]. **corporate** [CBG⁺07, CGRW07, YLG05, Woo02]. **Correction** [Ano74j]. **Cost** [BEH⁺06, Par82, Str72, BRM02, DEA99]. **Cost-based** [BEH⁺06]. **Cost-Benefit** [Par82, Str72]. **cost-effective** [BRM02]. **costs** [Mar63]. **Coupled** [ACM74, Mac74, HKS08, Smi63]. **Coupler** [CG77]. **Coupling** [Che84, JMNT97]. **CPI** [AKR⁺95]. **CPI-C** [AKR⁺95]. **Craig** [Ano96a]. **crash** [ALPC88, ALPC88]. **Creating** [DGK96, HKS08, LH97]. **Credentials** [dMR03]. **crew** [ATJ92]. **crew-pairing** [ATJ92]. **criteria** [Bar71]. **critical** [ABW⁺08, CBCS08, CDK08, Mon67, Was93]. **Critiquing** [HJM⁺82]. **Cross** [ORBdSB02, Cre68, Dew90, HDH88]. **cross-section** [Cre68]. **Cryptographic** [EMMT78, JDK⁺91, JD91, KMM⁺80, LMJW93, MM78, YS91]. **Cryptography** [Len78]. **cryptosystems** [Com90]. **crystal** [JRG⁺01, Oka68]. **crystals** [Koi89]. **CS** [MPF97]. **CUA** [Ber92b]. **Cues** [Wat94b]. **Cultural** [NS05, ACMS06]. **Cumulative** [Ano88e, Ano67k]. **Current** [SSS⁺87, GDD⁺01]. **curricula** [DB08]. **curves** [Ahu68]. **Customer** [Yel85, BCK⁺07, HST06, LPR⁺07, LLS⁺06, VPH⁺08]. **customer-centric** [HST06]. **customization** [Lei99]. **Customized** [HZ92]. **Customizing** [Gor80]. **cycle** [Alt08, CK05, HBC⁺94, AHS90, Hem90, MMNR90]. **Dan** [Ano96a]. **dance** [SDP00]. **Daniel** [McQ94]. **DASD** [Gro85, Gro89, Gro92, Maj81]. **Data** [Aga85, AC68, Ahu68, Ano68h, Ano68i, Ano68g, ADD68, App68, AA76, Bak80, BM68, Bjo75, BE77, Bro68, Cen67, CD68, Cla66, CDK08, Com68, Cre68, Cru84, Dav78, DZ68, Day70, DY92, DFGS92, DSM83, FG79, Fre73, GTC68, Gay95, GJ87, HLR02, HHP79, Jac68, Joh68, Jon77, Kas86, KL74, Laf68, Lev79, MM90, MPH68, McG77b, McG77d, Mor78, Oka68, Par82, PMM83, Per02, RH77, Rei89, Rul68, SB82a, Sch78, SAAF73a, SAAF73b, SAAF73c, Sen77, SS94, Ste82, Sym68, Wat94b, WFS80, Aik98, AEE⁺97, Ano74j, Ano74l, BGML96, BBG⁺00, BCH⁺06, BHC⁺94, Bro80, BCG⁺89, CdVF⁺06, COC63, DCB⁺01, DF07, DD64, DK74, ETD07, Eis67, Far87, FG90, GH91, HSK⁺01, HMP02, Hen69, JG07, JMNT97, Kah84, Lan73, LI01, LRHH04, Loe65, Mil99a, Omi81, Paz89, PCC⁺98]. **data** [RS72, RM67, Rub89, San81, Sch99, SCK02, Str97, Tur63, WT64, WSKW⁺03, Yag63, Zlo77, Zlo82, EMMT78, Uhr73, Wat79]. **Data-Base** [Jon77, SAAF73a, SAAF73b, SAAF73c]. **Data-Managed** [Par82]. **data-taking** [COC63]. **Database** [CLSW84, Cru84, DO84, HJ84, HZ84, Sel87, TG84, Alf94, CM88, CMCD94, DL89, HLR02, Hir90, HSY01, IFM⁺01, LRHH04, MSB⁺07, MSZ⁺01, MPTW94, Rei88,

RLPG96, SBC97, THL⁺03, JG07]. **Dates** [Ohm86]. **dawning** [GC03]. **DB** [HD77, SB82a, Siw77]. **DB/DC** [HD77, SB82a, Siw77]. **DB2** [BEH⁺06, BFG⁺95, BCH⁺06, JMNT97, MNQ⁺02, MLR03, MPF97, ÖCKM06, SRW04, SSR⁺00]. **DB2/CS** [MPF97]. **DBMSs** [FCM⁺98]. **DC** [HD77, SB82a, Siw77]. **deadlock** [Hav68]. **Dealing** [RMDN03]. **Debugging** [MPF97, HS02]. **decades** [ABB⁺03]. **Decision** [BS94, Rac96, GKT63, ITIW07, JOZG02, JRG⁺01, WND07]. **decision-tree-based** [JOZG02]. **Decisions** [RS73]. **Declarative** [CBG⁺82, KHSW05]. **Decodability** [SL75]. **decomposition** [JK92a]. **Deep** [Swo01]. **Defect** [Jon85, BHC⁺94, GTB90, MJHS90]. **definable** [HR81]. **Defining** [Mar83]. **definition** [Odo90]. **Delivering** [BHT03]. **delivery** [HS08, KPF⁺04, KBC⁺07, MBB⁺07, RAK08, Hou93]. **Demand** [Ken03, LK05, San07, Ars05, CDM⁺04, CBC⁺05, DDK⁺04, HHM04, PHG⁺04, SSR⁺06, TLRH98]. **demonstration** [HD88]. **dependencies** [PTE⁺95]. **Dependent** [Str75]. **deploying** [CCC⁺08]. **deployment** [HDS03]. **Deriving** [YFS94]. **Describing** [Fre73]. **Description** [EG64, DY92, DM64, DM99, FIS64, McD99, Neu71, YRPSK99]. **Design** [All74, All75, Ano63b, ALP83, ACM74, BM72, BM96, BDH75, Bir73, BCE67, Bot82, Bot89, CDM⁺04, CLSW84, Cla81, Cow84, Dor63, Fag76, Fag99, GJ87, GS04, GG87, Gro85, Hed63, Hen86, HD77, JMV69, KL74, Lar63, Mar73, ML84, MPB⁺04, Mye76, PHBT00, Pea82, PJ86, Pin89, PORG00, Pow83, RH77, RG85, Rof92, Rog83, Sta76, SMC74, Tal63, Tho88, Van76, Wag73, Wat79, WT64, Amd64, Ano74j, Ano74k, Ano74l, Ano75j, BM68, BL95, BFS67, BT84, BD66, BFH⁺05, BFVY96, Cav00, Cha89, CNL08, Dew90, Eis67, EW66, Fre66, Gay66, HPPS75, Ive63, Ive99, IG04, Jac77, Kes03, KR88, Laf68, Lin80, MW66, McC78, MC96, NOR03, Pad64, PGM⁺92, Pau07, Sch03, SLW66, Sea66, Sel08, SB00a, SMC99, THL⁺03, Tur63, ZZC⁺08, Bec95]. **Designed** [Aga85]. **designer** [Ber92b, Har03, MMS00]. **Designing** [AASW98, DMRS88, Glu08, HGB05, Koi89, Nae94, WBC04, MDC⁺05, Whi01, BEF⁺07]. **designs** [SR93]. **desk** [WA02a]. **Desktop** [KLS84]. **Detailed** [NORS80]. **Detecting** [SKN06]. **Detection** [KW86]. **Determination** [Dav82, For78, WI83]. **determined** [JB96]. **Determining** [SHP69]. **develop** [EAB⁺04, HKOS96]. **developed** [BBS02]. **Developer** [Lam84, LR02a]. **Developing** [LR02a, LC03, WSKW⁺03, AW72, AGA⁺08, CCC⁺08]. **DevelopMate** [Hei90]. **Development** [BL76, BDE⁺05, CBC⁺06, Fag76, HB85, MV80, New82, Sme78, Ste82, Tha84, Van76, AT06, AP90, BHW99, BBCM06, BBGB92, Bie97, BIJ06, CBG⁺07, CGG90, Coc93, Coc99, CMW87, CK98, DMMR92, Dye80, Fag99, FP90, Gol99, GJMT03, GCS97, HT06, HOST05, HP95, HCR⁺07, Hen98, HM93, Hou93, Hum85, JR04, Kan91, Lar06, MM90, McC78, Moo90, NOR03, Omi81, PV97, Raz93, SB93, SG98, SB97, Sel06, SBL⁺94, SLD89, TMF06, VMKB05, WM93, dRW04, van00, van98]. **developments** [JN92]. **Device** [CG77, Nah74, BET72, Fer91, Fer92, GB00a, Miz88, SR96]. **device-to-device** [GB00a]. **device-to-human** [GB00a]. **devices** [MMS00, Ver96, Zim99]. **diagnosis** [BRM02]. **diagnostic** [Sud67]. **diagram** [BBET71]. **diagrams** [Mil99a]. **Dictionary** [SB82a, GY67, Uhr73]. **Dictionary/Directories** [Uhr73]. **did** [Pru01]. **difference** [Kee93]. **differential** [HH66]. **differing** [Hau68]. **digital** [BG64, Blu64, BKP64, Bre65, EG64, Eis67, GC88, HKLS03, MRB01, MC96, Neg00, RR96, Sea66, Vel64, Zim99]. **dimensional** [Com68, Ric00]. **dimensions** [App68].

Direct [Nah74, BET72, PMK⁺06].
Direct-Access [Nah74]. **directed** [SRM⁺98]. **Direction** [SSS⁺87, Hum85].
Directions [GHMWB84, JMW92, JN92, PW88, RM88].
directly [Smi63]. **Director** [Woo02].
Directories [Uhr73]. **directory** [SSB⁺00].
disabilities [ES05, KTBE05]. **disabled** [PWF05]. **disaster** [CBCS08, LSH⁺08].
Discipline [Gol86, Bie97, Glu08, Raz93].
Discovering [HMP02, WPSL01].
Discovery [PPDW01, Sch03, BGL⁺05, ITIW07, LC01, MKGR07, UMN⁺04].
DiscoveryLink [HSK⁺01]. **discrete** [FG90, HK65, VPH⁺08]. **diseases** [HAB⁺92]. **disk** [GH03]. **Dispatching** [Ryd70]. **Dispersion** [Str73]. **Display** [Ano68h, MOK78, AC68, ADD68, FS72, GTC68, HD88, MPH68]. **Displays** [MDHM86]. **Distributed** [AS82, Aga85, Ano96a, Dem88, Har80, Lor79, Lor94a, McQ94, PS83, RGH⁺76, Rei88, Sch78, Sch99, AEE⁺97, AR92, AKR⁺95, BCE⁺94, BFH⁺94, BBE⁺97, CCC⁺08, Col95, Dei92, Fis91, IFM⁺01, Kie79, Nai95, PS99, PBS97, Rof92, SRW04, Sch88, SR93, Sum89, Vos92, WLE⁺97, ZABM92, Zie79, AT79, BBN96, DFGS92, FG79].
Distribution [Bak80, HS83, MM78, AC89, PBCK95, Unl08]. **diversity** [MMS⁺02].
divide [HKLS03]. **Division** [Ken03, Spe02].
DL [MV80]. **DNA** [IFM⁺01]. **Document** [CBG⁺82, FFK92, Moo83, KM06a, PRZ02, ZS99, SB82b]. **Documentation** [NS84].
Documents [Cra95, HN98, PWF05, UMN⁺04, WAV⁺04].
Doing [Ano96a]. **domain** [JRST07, LNH06, Whe91, IG04].
domain-specific [JRST07, LNH06].
domains [TVX⁺04]. **dominant** [LVW08].
Donna [McQ94]. **DOS/360** [BFS67, Cen67, RM67]. **DOS/VS** [Bir73, Kra78]. **DOS/VS-Based** [Kra78].
Down [Van76, LC01]. **DPPX** [AT79, FG79, AG90, BPZ90, GL90, Kie79].
dream [vdS00]. **DRIVE** [CCC⁺08]. **Driven** [CBC⁺06, BBCM06, Bat06, BGL⁺05, BIJ06, CT96, Che69, DDK⁺04, DHK⁺08, HT06, HRL87, KBB⁺07, KHSW05, KBC⁺07, Lar06, LPR⁺07, LTL⁺08, NNH⁺05, Sel06, SNK⁺08, ZZC⁺08]. **drivers** [Fer91, Fer92, IJM93, Miz88]. **drives** [GH03].
DS [Paz89]. **DS-Viewer** [Paz89]. **DTMS** [Wat79]. **dump** [LS91]. **During** [Tha84].
duties [BE01]. **Dynamic** [AJ73, BCF⁺04, JBB03, Wit63, ABDD⁺91, AJ99, FCM⁺98, HKOS96, HK65, McG65, Yel03].
dynamically [WKI03]. **dynamics** [KS03, SM01].
E-broidery [PORG00]. **e-business** [BCC⁺01, FSSS01, FK01, FV01, GKB⁺03, Hae03, HHSS01, KNN⁺01, SR06, SD03, Smi01]. **E-commerce** [DPR⁺02]. **e-mail** [Fah02]. **e-marketplaces** [GOS05]. **early** [Pin89]. **EAS** [PMM83]. **EAS-E** [PMM83].
Ease [BT84, Vre03]. **Eclipse** [GHM⁺05, LHT⁺07, PG05, dRW04].
Eclipse-based [LHT⁺07]. **econometric** [Sar77]. **Economic** [BK63, DeM68, Gor71, Men68, Pie68, SHP69].
ecosystem [TRL⁺08]. **editing** [GB00b].
Edition [Cle95, BFG⁺95, Cav95]. **Editor** [Vet95]. **Education** [HG86, JRD81, RC91].
educational [Abo99]. **Edwards** [Ano96a].
EE [CM88]. **Effective** [FP90, SSH88, BRM02, GCS97, VCS⁺08].
Effectiveness [DK79b]. **Effects** [JRD81, SA69, PV97, Sel08]. **Efficient** [PBCK95, DAK00, KM06a, PMK⁺06].
EGGG [Orw00]. **electric** [Smi96].
Electronic [DeS81, Moo83, BM96, BKK⁺02, Con97, GGW02, Zlo82]. **Elements** [All74, All75, Bec95, Ano75j]. **Eliminating** [PTE⁺95]. **elliptic** [HH66]. **embrace** [CGRW07]. **Emergent** [Cav00]. **Emerging** [CN79, Gol86, HBC⁺94, HBZ06, LK05, UI00, MRB01]. **emotion** [Pic00]. **Emphasis**

[CH85, AOFH92]. **empirical** [BR08a, SB97]. **Empowering** [Ars05]. **empty** [WB69]. **Emulator** [HL76, HS00, HS00]. **enabled** [CH07, Wal07]. **enablement** [CDM⁺04]. **Enabling** [AHS⁺03, OSK⁺95, SRW04, Uhl88, WLE⁺97, Hei90, Wol88]. **Encoding** [HLLW72]. **encounters** [CN08]. **Encryption** [EMMT78]. **End** [BS94]. **energy** [Sha79]. **eNetwork** [TLRH98]. **enforcement** [BE01, JG07]. **engagements** [BCK⁺07]. **Engaging** [CGRW07]. **engine** [PGM⁺92, BAI⁺86]. **Engineering** [AGMS89, Ber84, CH85, GRW86, Gol86, Pec85, Aik98, BFSLT08, Bat06, Bie97, Bri90, BDG⁺94, CLS88, Dav93, Dav99, Dye80, HLT94, HZ92, Lar08, Lin80, McG72, Mil80, Mil99b, O’N80, Qui80, Smi62, BHT03, Cle95, MS88]. **EngineTM** [EOO⁺06, OIS⁺06]. **Enhanced** [For78, HBC⁺05]. **Enhancements** [Sul83, MOCP85, WBSK87]. **Enhancing** [Cas06, HFB⁺08, HYJK06]. **enough** [HO07, MDC⁺05]. **Enriching** [BCE⁺96]. **Enterprise** [DCH⁺03, Har03, Inm98, Lor94b, MST⁺03, Par82, PH99, RS98, San07, AvKM⁺07, BBWL05, BC04, IG04, Kat90, Kon93, LLO93, MPB⁺04, NLN⁺07, SRW04, SSB⁺00, Lor94b, Ake89, BCCN01, BFGS98, CDF⁺98, CKB89, Gro92, KNN⁺01, Pla89, SGS89, SHLP05, TJ00]. **Entertainment** [LK96]. **entity** [SJL⁺04]. **entity-based** [SJL⁺04]. **entropy** [Ger96b]. **Entry** [BHS74, SP78]. **Environment** [Ber84, Duk75, Gar81, HBR86, Mac79, New82, SB82b, Abo99, ABLU00, ALPC88, BDM97, BCE⁺94, Bra79, CCT72, CPW03, Cle89, CMW87, DO84, DeS81, Dei92, Gro92, Hem90, KNN⁺01, LPPC03, McG72, SBC⁺08, SHFG95, TLRH98, dLMSC89, van98, HOST05]. **environments** [Ber88, BE01, BCC⁺01, Cav00, CBCS08, ES05, PDI⁺00, PLGB90, Sim05, McQ94]. **epidemiological** [MKGR07]. **EPISTLE** [HJM⁺82]. **equations** [HH66]. **equipment** [WCV69]. **era** [GC03, TLRH98, WPSL01]. **Erich** [Bec95]. **Errata** [Ano65e, Ano67l, Ano70k, Ano74k, Ano76j, Ano04, Ano08a]. **Erratum** [Ano74l, Ano75j, Ano78l, Ano85b, Ano90f, Ano91e, Ano98c, Ano08b, KMT86]. **Error** [KW86, LR67, TC69]. **Errors** [Fag76, Fag99]. **ES/3090** [AGMS89, HMS92, SPS⁺91]. **ES/9370** [AG90, BPZ90, GL90]. **ESA** [BDM97, BCSW91, Cla89, Fis91, GH91, MSS91, McN93, OJG91, SNC91, YS91]. **ESA/390** [OJG91, YS91]. **ESA/XC** [GH91]. **Essays** [Cle95]. **essence** [May94]. **Essential** [Ano96a]. **Estimating** [CNS⁺08, Jen92, Gay66]. **Estimation** [WF77b, ANPT02]. **eSuite** [Bri98]. **Ethical** [Pal01]. **Ethnographic** [KM06b]. **European** [DMMR92]. **evaluate** [BBS02]. **Evaluating** [FW75, MFJ05, NS84, BFSLT08, SWS06]. **Evaluation** [Bar73, Dru69, GL74, Hob72, MGST70, SL67, TVPL94, BK63, Cre68, DF63, Kee68, Sch80b, Str72]. **Event** [CT96, SE08, DHK⁺08, HMP02, MOB⁺08, ZLK⁺07]. **Event-driven** [CT96, DHK⁺08]. **Event-processing** [SE08, MOB⁺08]. **Events** [NG05, Lew66]. **Everything** [Ger00]. **Everywhere** [Res00, SMM⁺00, BBFK05]. **Evolution** [Cyp92, Gro89, HHP79, HH79, JEF04, MDHM86, Moo79, SAAF73a, BDM97, BR92, Bie97, BS94, Cla89, FNS04, GBCW00, HDH88, HP93, KK03, KNNL98, MT03, SF01]. **evolutionary** [Hen98, Hou93, WBC04]. **Evolving** [CHNS95, GR01, JHMO07, SUW82, Yel85, BBGB92, Bra79, dLMSC89]. **example** [FL04, Zlo77, Zlo82]. **examples** [Blu64, BKP64, EG64, Vel64]. **Exchange** [Che01, Moo83, DD64, PH01]. **exchanges** [KHC02, SMK⁺02]. **Execution** [Pow83, BBS02, OJG91, DLP⁺05]. **Executive** [AT79, FG79, LS87, Mil02, CMW87].

exhibits [SDP00]. **existing** [MBBD98, PCC⁺98]. **Expanded** [KMT85, Hed63, HS65, KMT86]. **expected** [BHT03]. **Experience** [PWBK90, GR01, KBK⁺03, RMDN03, Vre03]. **Experiences** [AAB⁺05b, GL95, HRL99, HP95, MJHS90, MFJ05, PPDW01]. **experiment** [Abo99, van00]. **Experimental** [Bar73, Kes03, Ryd83, She80, ZS99]. **Experiments** [BGH76, DCB⁺01, Mus78, MC96]. **Expert** [VR86, WAV⁺04]. **expertise** [BAI⁺86]. **explained** [AYBDS06]. **explanation** [SB00b]. **exploit** [EOO⁺06]. **exploration** [WSG⁺01]. **Explorer** [GMM⁺06]. **explosions** [Chu63]. **Exponentiation** [Com90]. **Express** [HS00]. **expressing** [Ben00]. **Expression** [Mus78, MSZ⁺01, Wil91]. **expressive** [PHBT00]. **extend** [Elo95]. **Extended** [Mac74, Kon93, KA71, SS78]. **extended-precision** [KA71]. **Extending** [BCC⁺01, CMCD94, CGV⁺02, SZ92, VM03, Whe91]. **Extension** [Hir90, LMJW93]. **Extensions** [Pad68, AYBDS06, CMR02, JD91, Kre01]. **External** [Pea82]. **extra** [CJ04]. **extra-grid** [CJ04]. **extracting** [WMSW01, Smi96]. **extraction** [KPF⁺04].

fabric [RS98]. **Fabrication** [Ano65f, Ano65g, Bak65, Cal65a, Cal65b, Dzi65, Gor65, Loe65, Sha65a, PORG00]. **face** [ACO⁺91, JB91]. **faces** [KSWC93]. **facilitate** [HGB05]. **Facilities** [McG77b, McG77c, McG77d, McG77e, Mye76, Str73, AT79, Cla89, GH91]. **Facility** [MLA83, SP78, Yel85, BEIW97, Cha89, JMNT97, Paz89, YS91, Got92, Jos81, MS88, Sam88, SZ88, Sor84]. **Factors** [Hir81, Tha84, Omi81, TC81, TKE01, WBSK87, Was93]. **factory** [Gri93]. **failure** [Caf08]. **Family** [PBv97, SB82b, Fal91, Omi81]. **Fastfinger** [Rob01]. **fault** [BRM02, HS87, Jen92].

fault-tolerant [HS87]. **Feasibility** [AG90, Elo95]. **Feature** [CH06]. **Feature-based** [CH06]. **features** [BM72, Dev67, WMSW01]. **federation** [HLR02]. **feeds** [DW00]. **Field** [Smi96, GJMT03, KK03, Zim96]. **File** [Buc63, SNC91, AC89, CFP⁺95, Dei92, KBB⁺97, MPR⁺03]. **Files** [Fri70, ALE⁺04, BCSW91, Dem88]. **Filing** [GB84]. **Financial** [Gor73, Dzi73, Kin73]. **finite** [CCO02]. **First** [Ano02a]. **Fitting** [BAI⁺86, Fli97]. **Five** [Ano67j, Ano67l, Ano70l, Ano70m, Ano71j, Ano71k, Ano72j, Ano72k, Ano73k, Ano73l, Ano74m, Ano74n]. **Five-year** [Ano70l, Ano70m, Ano71j, Ano71k, Ano72j, Ano72k, Ano73k, Ano73l, Ano74m, Ano74n]. **FLAVERS** [CCO02]. **flexibility** [Hae03, Sam88, SD03, VCS⁺08]. **flexible** [BKK⁺02, GDD⁺01, MBB⁺07]. **Flight** [JD70]. **floating** [Pad68, Swe65, Woo70]. **floating-point** [Pad68, Swe65]. **Flow** [GY82, GBK83, Ste82, Ahu79, BG71, HMS92, Mil99a, Mon62]. **flows** [LR02b]. **focus** [KK03]. **folding** [DK01]. **Following** [TMF06]. **font** [GC88]. **fonts** [GC88]. **footwear** [PHBT00]. **Force** [Fle96, LPR⁺07]. **Forecasting** [Ais73]. **Foreword** [Bra81]. **Forging** [May94]. **Formal** [Jen79, All71, FIS64, Neu71]. **formalizing** [SZ92]. **Formatter** [CBG⁺82]. **Forms** [CF90]. **formulation** [BESZ02, Kol69]. **FORTTRAN** [Hai65, KA71, Lar63, Rul68, SPS⁺91, TPS⁺88, RG85]. **Forum** [CS76, DK79a, DM76, Enc81, Hal77, Jac77, Lev79, Mor79, Rei79, WF77a, ABD⁺97, Bau93, Ben94, Col95, Con97, Fah02, TG93, VW06, Ygl93]. **foundation** [HHM04, LVW08, OJG91]. **foundations** [JF91]. **Four** [Ano66i, IG04]. **Four-Domain** [IG04]. **FramerD** [Haa96]. **Frames** [KB00]. **framework** [ANPT02, Bun00, DDK⁺01, EAB⁺04, IMMB01, JK92b, KBB⁺05, KHC02, LMX07,

PRZ02, Ric00, SL95, SS94, SWS06, SZ92, TOV⁺95, TRL⁺08, Zac87, Zac99, Eve96, FV01, Ran02]. **framework-based** [KHC02]. **Frameworks** [ABD⁺97, Rac96, vGLS98, Boh98, MBBD98, Pol98, UI00, van98]. **Francisco** [ABD⁺97, Boh98, CHL⁺00, Inm98, Pol98, RCB98]. **Frederick** [Cle95]. **Free** [BBDT84, MPS71]. **Free-Storage** [BBDT84, MPS71]. **freight** [WB69]. **Frontier** [JK92b]. **Full** [Cas06, Mau83, AYBDS06]. **Full-Screen** [Mau83]. **Full-Text** [Cas06, AYBDS06]. **Function** [AJ73, BFS67, HP93, Mac74, dPBM88, dP88, dM93, Bev00, CT96, Hed63, Jen92, WSG⁺01]. **Functional** [AJ99, Bir73, LC01, Sch73, Cla66, HGW01, Mea66, Wit66]. **functions** [AFM03, GKT63]. **fundamentals** [Alt08]. **furniture** [OPH⁺00]. **fusion** [Kee93]. **Future** [Hen86, JMW83, Mac00, Sen77, BCE⁺96, CF05, Gay95, JN92, Rap04]. **fuzzy** [DHP02].

gained [PWBK90]. **game** [Orw00]. **games** [DMB⁺06, Kes03, LLS⁺06, MN06, SSR⁺06, SR06, YC06]. **Gamma** [Bec95]. **gap** [Bun00]. **GARDEN** [dLMSC89]. **Gary** [Lor94a]. **gathering** [SH68]. **gear** [ApS64]. **gear-train** [ApS64]. **Gemini** [Mue67]. **gene** [MSZ⁺01, IBM01]. **GeneMine** [LI01]. **General** [CGP68, McG77a, Per02, Ano73e, Blu64, BKP64, DCH⁺03, EG64, Gor62, Gou69, HS65, Inm98, Vel64, Wah72, LeB08]. **Generalized** [Bjo75]. **Generating** [MOB⁺08, Ahu68]. **Generation** [BM83, ER70, Han70, MM78, PMK⁺06, Yag63, Baa91, BESZ02, BTB95, BC04, BFVY96, Chu63, DMB⁺06, DDMS95, EFN⁺02, Orw00, RWKN02, Sal88, SWS06, WA02a, ZMF02]. **Generator** [HLM⁺75, Hei85, ABDD⁺91, Dew90, FHP02, HDH88, Haz96, LGM69, Rec72, SSV64, ASW91]. **generic** [AASW98, YFS94]. **Genesis** [VR86]. **GeneX** [MSZ⁺01]. **genome** [LI01]. **genome/proteome** [LI01]. **genomic** [DCB⁺01]. **genomics** [HGW01, SD07]. **geographic** [Jac68]. **Geometric** [Jac68]. **Geometry** [AC68, Com68, Smi96]. **Getting** [BC91, LM96]. **ghosts** [RMDN03]. **Gigabytes** [Cra95]. **Global** [ALE⁺04, GR01, IJM93, LeB08, Rom08, Unl08, ATJ92, DGK96, TMF06]. **globally** [MQR05]. **Glossary** [KPF⁺04]. **GNU** [EGH⁺05]. **goes** [BCH⁺06]. **Goldberg** [Rac96]. **good** [HT06]. **governance** [VCS⁺08]. **government** [Sim05]. **GPSS** [Gou69, HS65]. **GPSS/360** [Gou69]. **grammars** [PMK⁺06]. **graph** [MKGR07]. **graph-theoretical** [MKGR07]. **Graphic** [BEP80, BCHM80, Got92, Mus78, BM68, MC96]. **Graphical** [Enc81, WCG⁺80, JK92b, Paz89]. **Graphics** [AC68, Ahu68, Ano68h, Ano68i, Ano68g, ADD68, App68, BM68, Bro68, CD68, Cla85, Com68, Cre68, DZ68, DW85, GTC68, Han80, Jac68, Joh68, Laf68, MPH68, MS80, NJ80, Oka68, RS73, Rul68, She80, Sym68, BBET71, Bur80, Got92, ZMF02]. **grappling** [Bou98]. **grassroots** [CBG⁺07]. **gray** [LTL⁺08]. **gray-box** [LTL⁺08]. **Greenland** [AOFH92]. **Greenland-Iceland-Norwegian** [AOFH92]. **GREENPRINT** [BEP80]. **Grid** [Buc85, BGH⁺04, CJ04, DHB⁺06, JEF04, MPB⁺04]. **Group** [Mil02, Per02, HP95, Klo08, Mil02, Wei05]. **Growing** [KRS⁺98, WA02b]. **growth** [JRG⁺01]. **Guide** [Ano96a, Dzi73, Pom72]. **guided** [Lor71]. **Guidelines** [DFHS90, DFS94, MDC⁺05]. **GUS** [DCB⁺01].

H [Ano96a, Cra95]. **hacking** [Pal01]. **hand** [LS05, SR96, Smi96]. **hand-held** [SR96]. **handling** [DGK96, Mat91, SSR87]. **Harbingers** [BCE⁺96]. **hard** [GH03]. **Hardware** [Mac79, VMKB05]. **Harkey** [Ano96a]. **Harmony** [DHK⁺08]. **Harold**

[Ano96a]. **Health**
[MV80, BBC⁺⁰⁷, EBKT07, ETD07, GB07].
health-care [BBC⁺⁰⁷, EBKT07, ETD07].
heart [WSG⁺⁰¹]. **held** [SR96]. **Helm**
[Bec95]. **help** [Cha89, WA02a]. **help-desk**
[WA02a]. **heterogeneous**
[MPR⁺⁰³, STF⁺⁰¹]. **Heuristic** [Ryd70].
hidden [SDE⁺⁰⁶]. **hiding**
[BGML96, BBG⁺⁰⁰]. **Hierarchical**
[Col74, DM75, Hen69, Kee68]. **Hierarchies**
[GL74, MGST70, CKB89]. **hierarchy**
[HCGT90]. **hieroglyphics** [McI91]. **High**
[AAC⁺⁹⁵, Aga85, Bro85, DMB⁺⁰⁶, DPR90,
Han80, Mon67, PS83, Siw77, CBCS08,
GBCW00, IFM⁺⁰¹, LGCB95, LDL⁺⁰⁸,
LSH⁺⁰⁸, Meg64, MMG⁺⁰⁰, PS99, RMP08,
SSA⁺⁹⁵]. **high-availability** [LDL⁺⁰⁸].
High-Level [PS83, Meg64, PS99].
High-performance
[AAC⁺⁹⁵, DMB⁺⁰⁶, LGCB95, MMG⁺⁰⁰].
high-performing [GBCW00].
High-Resolution [Han80]. **High-speed**
[Mon67]. **high-throughput** [IFM⁺⁰¹].
High-Transaction-Rate [Bro85].
highlights [CM88]. **HIPO** [Sta76].
Hippocratic [JG07]. **histories** [CCHJ94].
History [KM89, CFGS05]. **HL7** [ETD07].
Holistic [DHK⁺⁰⁸]. **holographic** [Luc96].
HONE [Boo85]. **hooks** [Bou98]. **Host**
[TLRH98, BGT96]. **host-centric** [BGT96].
hosting [HBBWS01, SBC⁺⁰⁸]. **Hosts**
[GHMWB84]. **hot** [AHS⁺⁰³]. **House**
[Ano02a]. **hows** [Bov96]. **HPO** [TBB⁺⁸⁷].
Human [Bra81, DP86, Omi81, Sta96, TC81,
TKE01, AS99, Ber88, Due01, Fle96, GB00a,
JL00, KSWC93, KK03, WBSK87, Hir81].
human-computer [Ber88, KK03].
Human-powered [Sta96].
human-technology [Fle96]. **Hy** [CEH⁺⁹⁴].
hybrid [BCH⁺⁰⁶]. **Hyperlinked**
[BDCA00]. **hypertext** [Alf91, Bro91].

I-Patient [MV80]. **I/O**
[AT79, HS03, Maj81, McN93]. **Ian** [Cra95].

IBCN [GFG⁺⁹²]. **IBM**
[Ano96a, Klo08, Mil02, Unl08, Wei05, Woo02,
AG90, AGMS89, AAC⁺⁹⁵, ABDD⁺⁹¹, AJ05,
ALPC88, ABD⁺⁹⁷, ABB⁺⁰³, AJ73, AJ99,
BL95, Ben94, BBGB92, Bir73, Bla98,
BPZ90, Boo85, BFGS98, BDE⁺⁰⁵, Buc86,
CFGS05, CH85, CLR98, CLSW84, CW86,
Cla85, CA95, CG77, Col95, Com90, Con97,
CFP⁺⁹⁵, Cru84, DO84, DFHS90, DFS94,
DH83, DFGS92, DPR⁺⁰², DCH⁺⁰³, Fal91,
FV01, GK07, Ghi85, GRW86, GR01, GL90,
Got98, GL95, HJ84, HRL87, HZ84, Har03,
HMS92, Hen86, Hum85, JBB03, JMZ92,
JL00, JAS08, JA00, JRST07, KKS88, KM89,
KPF⁺⁰⁴, LMPR07, LMPS02, MSB⁺⁰⁷,
MS88, McC78, MLDF08, MS80, MPR⁺⁰³,
MST⁺⁰³, MV80, MBC08, ÖCKM06,
PGM⁺⁹², Per02, PW88, RAK08, RG85,
Rof01, RMH08, RCB98, SPS⁺⁹¹, SSH88,
Sam88, Sch73, SH87, SKA86, SHFG95].
IBM [SZ88, SOT⁺⁰⁰, Sym86, SM92,
TLRH98, TAR85, TG84, TG93, TPS⁺⁸⁸,
Tri91, Tuc86, VGW⁺⁰⁷, Vre03, Wal07,
Wat79, WR92, YLG05, ZABM92, BS83].
ibm.com [KBK⁺⁰³]. **IBS** [vdS00]. **ICAP**
[CLS88]. **ICAP/3090** [CLS88]. **Iceland**
[AOFH92]. **idea** [Pap00]. **identification**
[GKT63]. **identifying** [GSBH⁺⁸⁹, PCFY07].
II [BCE67, Cal65a, DHB⁺⁰⁶, EW66, Lip68,
McG77b, Men68, O'N80, SAAF73b, Ste64,
Tal63, Vel64, Wit66]. **III** [Amd64, Blu64,
BD66, Cla66, Dev67, Hed63, HS65, Lin80,
Loe65, McG77c, Pad68, SAAF73c]. **ill**
[KMSM⁺⁰⁷]. **illustration** [HAB⁺⁹²].
Image [MO90, EKS92, EDG⁺⁹⁶, Gla93a,
Hel90, KLS90, Pic96, PB90, Rym90, Hak90].
ImageEdit [Rym90]. **ImagePlus**
[AM90, AP90, DPR90, PWBK90, AGLR90].
imagery [SB00b]. **Images**
[Som84, Ano85b, Cra95]. **imaging**
[HCR⁺⁰⁷]. **Impact**
[BBWL05, CGH⁺⁰⁵, Mat86, CCHJ94,
Coc93, Coc99, GH03, SRCV06].
impairments [BFH⁺⁰⁵, MFJ05].

imperative [GB07]. **Implementation** [CLSW84, DZ68, GY82, PJ86, WT64, Bun00, FtCE87, GS04, MPB⁺04, Nai95, PHBT00, SE08]. **implementations** [AAC⁺95, Ste64, Yel03]. **Implementing** [EMMT78, FT92a, FT92b, GTB90, Lor94b, MQR05, SKG⁺87, Tag90, Was93, CD68, PWBK90]. **Implications** [GJ87, Hae03, ML84, SD03, Fra79]. **importance** [Joh97, KM06a]. **Improve** [Bon69, Ste82]. **improved** [Gou69]. **improvement** [Ben94, BHC⁺94]. **Improving** [BCF⁺04, BDK⁺81, BW93, BMK02, Gro85, HBC⁺05, Hel81, HS08, KW86, LLS⁺06, MBBD98]. **IMS** [Bla98, McG77a, McG77b, McG77c, McG77d, McG77e, SUW82]. **IMS/VS** [McG77a, McG77b, McG77c, McG77d, McG77e, SUW82]. **in-box** [SDE⁺06]. **In-process** [BHC⁺94, KPM01]. **incidence** [HRL87]. **incidence-matrix-driven** [HRL87]. **incidents** [Caf08]. **increased** [HB05]. **Increasing** [VCS⁺08]. **independent** [AC89, SAAF73c]. **Index** [Ano93g, Ano69e, Ano69k, Ano70l, Ano70m, Ano71j, Ano71k, Ano72j, Ano72k, Ano73k, Ano73l, Ano74m, Ano74n, Ano81a, Ano81h, Ano84a, Ano84c, Ano88e, Ano94b, Ano94c, Ano94d, Ano67e, Ano67m, Ano68c, Ano68j]. **Indexing** [Cra95, Wag73, Ano74k]. **Indices** [Ano67k]. **indigenous** [Cav00]. **individuals** [BBWL05]. **induction** [JOZG02]. **industrializing** [BGL⁺05]. **industries** [CF05, HBZ06, Mil08]. **Industry** [LK05, BW93, CF05, DF07]. **Inertial** [Ver96]. **Inference** [BAI⁺86]. **Influences** [AJ73, AJ99]. **informal** [SKN06]. **Information** [Ano75k, BS83, Buc85, DL89, Dav82, ETD07, FL04, Hei85, Kee93, Len78, MMS⁺04, JMP02, McG77a, McG77b, McG77c, McG77d, McG77e, MS85, Par82, RWKN02, San07, SRW04, SAAF73b, Spo99, Yel85, Ygl93, Zac82, BM99, BM96, Bou98, BGH⁺04, BK63, BVP93, BW93, DeS81, DM88, EBKT07, ELM⁺99, FC92, Gla93b, GSN⁺01, GSBH⁺89, HLLW72, Hei90, HV93, HV99, HBZ06, IJM93, Jac68, KPF⁺04, KAN⁺07, LA94, LR02b, LLO93, McD96, MLH87, ÖLL07, PBCK95, Res00, RM00, Ric00, SCO03, SL95, SAAF73a, SRCV06, SD07, SBE⁺00, SZ92, SB95, TLRH98, VGW⁺07, WB99, Zac87, Zac99, ZMF02, Zie79, DO84, Eve96, Ham82, SS94]. **information-intensive** [Gla93b]. **Infrastructure** [WND07, Ben01, BGH⁺04, EBKT07, SD07, AM04]. **infrastructures** [MBC08]. **inheritance** [AOK⁺95]. **initiatives** [Got98, GKB⁺03, HS08]. **initio** [SSH88]. **Injecting** [CFL05]. **Innovation** [Ken03, LK05, CGRW07, Mil08, NA07]. **Innovations** [Ano96a]. **innovative** [MQR05, WLB⁺07]. **input** [FG90, Sar77, Yag63, ZS99]. **input-output** [Sar77]. **inquiry** [Dar70]. **Inspections** [Fag76, Fag99]. **Installation** [BPZ90, CCJ78, GJS75, Lai75, MM78, OPH⁺00]. **Instance** [GGW02]. **Instance-level** [GGW02]. **Institute** [CH85]. **Instructible** [LM96]. **Instruction** [Hop87]. **instrumentation** [Abo99]. **Integer** [CCJ78]. **Integrated** [Bro91, Buc85, GG87, Jon85, New82, PMM83, Sta76, WAB⁺07, ALPC88, BKP64, DL89, DCB⁺01, Dor63, HSK⁺01, Hed63, HS08, Kan88, Lar63, MSZ⁺01, Tal63, Wei79, WT64, YS91, dLMSC89]. **Integrating** [BCH⁺06, BDS88, PG05, EPTD05, SR06, dRW04]. **Integration** [BS04, JRST07, ÖCKM06, Wei05, BDL⁺07, CKKS02, DDK⁺01, HLR02, KHSW05, LR02b, JMP02, RWKN02, SRW04, STF⁺01]. **Integrator** [SRW04]. **Integrity** [AMP76, DM75, McP74, CS76]. **intellectual** [Hua98, McI91, Sin03]. **Intelligence** [HG86, SJL⁺04, BR02, CKKS02, ES05, ITIW07, WND07]. **Intelligent** [BRM02, Elo95, JRG⁺01, PLGB90, Sow02, CF90]. **intended** [Sew67]. **intensive**

[CF05, Gla93b, SSH88]. **Interaction** [WCG⁺80, All99, AS99, KK03, PWF05, SB00a]. **Interactive** [AC68, Ahu68, Ano68h, Ano68i, Ano68g, ADD68, App68, BM68, BCHM80, Boi74, Bre71, Bro68, BL73, Bur80, CBG⁺82, CD68, Com68, CMW87, Cre68, DZ68, EKS92, GTC68, GTB90, HD88, ITIW07, JD70, Jac68, Joh68, Laf68, LS87, Lue70, Mau83, MPH68, MLA83, Nae94, Oka68, RS73, Rei76, Rul68, SDP00, Sym68, Tet79, Tha81, Boi99, Hob72, OPH⁺00, Par96, PHS⁺00, Paz89, PDI⁺00, PLGB90, Wim71]. **interactive-batch** [Hob72]. **intercept** [Vel64]. **Interchange** [SB82b, DeS81]. **Interconnecting** [BHWW83]. **Interconnection** [Asc86]. **interconnections** [SSY⁺87]. **interdomain** [CJ04]. **interests** [Eva96]. **Interface** [Bot82, Ghi85, Syk88, AHS90, Ber88, Bot89, JK92b, Uhl88, Wat88, JDK⁺91, VL00]. **Interfaces** [Ben86, HHP79, Mac79, DMRS88, Fle96, UI00]. **interference** [CW65, Fer71, Gay66]. **interior** [FT92a]. **Interlingual** [Haa00a]. **Intermediaries** [BM99]. **Intermediary** [IMMB01]. **Intermediary-based** [IMMB01]. **Internal** [PGM⁺92, RM67, Woo69, VGW⁺07, Ano70k]. **International** [CN79]. **Internet** [Ben01, CGHK98, Che01, HKLS03, KRS⁺98, LK96, SVM⁺03, vGLS98]. **interoperability** [DPR⁺02, EBKT07, SRCV06, VL05]. **interpretation** [BHC⁺94, Far87, Meg64]. **Interpreter** [ATC77, ASW91]. **interpretive** [BHS⁺65, OJG91]. **interpretive-execution** [OJG91]. **interrupt** [Fah02]. **intersection** [Lar08]. **intrabody** [Zim96]. **intrinsically** [Gri63]. **Introducing** [van98]. **Introduction** [GGKS02, Gre79, GR06, Hel90, HW05, HM06, Kee67, LS07, Lic07, PS04, Raz93, SF05, Sab06, SSS04, Sym86, WG88, WR92, Zol07, BFLT08, BMP08, GC88, MDC⁺05, NS05]. **Introductory** [Mea66].

Investigating [BDG⁺94]. **investigation** [BR08a]. **Investigations** [Kra78]. **involvement** [CFGS05, Pin89]. **IP** [BTB95]. **IPS** [KMM⁺80]. **ISBN** [Ano96a, Ano02a, Rac96]. **ISDN** [Cav95]. **ISO** [FtCE87]. **Isolated** [Jen79]. **Isolation** [Ryd83]. **Issues** [Bux84, JR04, TB05]. **item** [Pie68]. **Items** [Day70, Gor71]. **Iterative** [GJMT03]. **ITSM** [CHPW07]. **ITSM-based** [CHPW07]. **IV** [BKP64, Dye80, Dzi65, LR67, Lar63, Pad64, SLW66, McG77d].

J [Lor94a]. **J2EE** [BCF⁺04, KKL⁺04]. **Jalapeño** [AAB⁺00]. **JANUS** [CBG⁺82]. **Java** [SOT⁺00, ABLU00, BDF⁺00, BFGS98, CFL05, CLR98, CHL⁺00, DBC⁺00, DAK00, EFN⁺02, Got98, GBCW00, KJBH⁺00, KNNL98, KNN⁺01, Kre01, MMS98, MMG⁺00, Pol98, RCB98, VL00]. **JavaBeans** [BCCN01, CDF⁺98, TJ00]. **JaViz** [KJBH⁺00]. **Jeri** [Ano96a]. **JES2** [SP78]. **jigsaw** [Fli97]. **Jikes** [AAB⁺05a]. **Job** [BHS74, Buc69, Cra78, SP78, Wit66, Bro68]. **John** [Bec95]. **Johnson** [Bec95]. **Jose** [Hir81]. **Journal** [DFHS90, DFS94]. **Journalists** [SBE⁺00]. **Journey** [BCK⁺94]. **Jr.** [Cle95]. **Junior** [SBE⁺00]. **Just** [RM00, SOT⁺00, LM96, Res00]. **Just-in-Time** [SOT⁺00, RM00]. **Justifying** [SB00b]. **JVM** [DBC⁺00]. **JVMs** [DAK00].

K2 [DCB⁺01]. **K2/Kleisli** [DCB⁺01]. **K42** [AAB⁺05b]. **Kan** [Ano96a]. **Kaplan** [Ano96a]. **Kasparov** [SF01]. **Kaufman** [Joh95]. **keeps** [LM96]. **Keller** [Wat94b]. **Kenneth** [Rac96]. **Kernel** [Enc81, HH66, AAC⁺95, AAB⁺05b]. **Key** [Che01, EMMT78, Mat91, Ben01, LMJW93, MLA91, WM93]. **key-management** [MLA91]. **Keys** [MM78]. **kit** [MMS00]. **Kleisli** [DCB⁺01]. **Knowledge** [HG86, Hem90, HBR86, MRB01, PH01,

PPDW01, Sym86, VR86, BSC⁺01, Cav00, CKKS02, Due01, Elo95, FSSS01, GSBH⁺89, Haa96, ITIW07, KM06b, LS91, NN01, Pru01, RS98, Sch03, Sin03, TKE01, UMN⁺04].

Knowledge-Based [HBR86, VR86, Hem90, Elo95, GSBH⁺89, LS91].

Knowledge-Systems [Sym86].

Lab [Haa00b]. **Laboratory** [Col74, Moo79, COC63, CG77, BDCA00, McC78]. **Labs** [RGH⁺76]. **Labs/7** [RGH⁺76]. **LAN** [DDMS97, KBB⁺97, BL95]. **Land** [BS94]. **landscape** [LPPC03]. **Language** [Ano68i, Cow84, ER70, McI91, Mil81, PS83, PMM83, RS85, Van76, Cha02, Com68, DM64, DM99, Fre66, McD96, Meg64, PS99, Tal63, Tho91, Wil91, Zlo77, Zlo82, SS78].

Languages [Mye76, Neu71]. **Large** [Ake89, BL76, ER70, Gar83, MCE⁺86, PB90, WPSL01, BGP62, CC87, CHL⁺00, CLS88, FS72, GCG⁺04, Haa96, Hum85, KTBE05, Mon67, SSH88, Sma96, Spi66, Wim71].

Large-Language [ER70]. **large-problem** [FS72]. **Large-scale** [PB90, WPSL01, CC87, CHL⁺00, CLS88, GCG⁺04, Wim71].

large-systems [Hum85]. **last** [JCT⁺97].

late [WGB99]. **later** [vdS00]. **lattice** [DK01]. **laws** [JG07]. **layer** [FtCE87, SD07].

leads [WPSL01]. **learn** [LS00]. **learned** [Rym90]. **Learning** [Ben00, BW93, Cav00, MQR05, PRZ02, SB00b, ZMF02]. **led** [NA07]. **ledger** [Inm98]. **legacy** [CdVF⁺06, Fli97, Hes05]. **Legal** [PVK08].

LEGO [vdS00]. **LEO** [MLR03]. **Lessons** [CF05, NOR03, Rym90, BCK⁺07]. **Level** [PS83, CGH⁺05, DHP02, GGW02, Meg64, PS99, Str97]. **levels** [Lew76]. **leverage** [Alf94]. **Leveraging** [HV93, HV99, LDL⁺08]. **Librarian** [Pra83].

libraries [Pic96]. **library** [AGMS89, Gri93, KA71, FT92a, FT92b, MS88, WR92]. **Life** [Kov01, Alt08, CK05, Ger00, HSK⁺01, HBC⁺94, MMS⁺04, RR96, Swo01].

Lightweight [CDK⁺05]. **like** [Ahu68].

Limitier [CW81]. **Line** [BGH76, KW86, Dar70, Eva96, SBC97].

Linear [CCJ78, Dzi65, KRR80, FT92a, GKT63, JK92b]. **linear-quadratic** [JK92b].

lines [Bat06, Hal77]. **Link** [Moo83, DK74, Eis67, Gay95, Sin03].

Linkage [Mor78, BCFH65, FCM⁺98, Lev79].

Linking [FSSS01]. **Links** [GBK83]. **Linux** [AJ05, AAB⁺05b, BS05, GMTW08, HST08, TB05, VMKB05, Yeo05].

Linux-compatible [AAB⁺05b]. **living** [Abo99]. **Load** [SM01]. **loader** [Hed63].

Local [Bux84, CHNS95, DSM83, Sum89].

Local-Area [Bux84, Sum89]. **locality** [SZ88]. **localization** [DGK96]. **location** [Mar63]. **locking** [BEIW97]. **Logger** [HBM⁺04]. **Logic** [HG86, Alf91, All71, LVW08, Mon62].

Logical [Bak80, RH77, WI83, BB64, CdVF⁺06].

Logically [Jen79]. **Long** [Cal65a].

Long-range [Cal65a]. **look** [AS99]. **loosely** [HKS08]. **Lorin** [Ano96a]. **lost** [Orw96]. **lot** [DeM68, Gor71, Men68, Pie68]. **lot-sizes** [Gor71]. **lot-sizing** [DeM68, Men68, Pie68].

LOTOS [BBD⁺92]. **Lotus** [Bri98, PPDW01, Sch03]. **Luther** [Nae94].

M [Ano96a, Wat94b]. **Machine** [BR02, HH79, Mac79, MS70, PRZ02, VL00, AAB⁺00, CS76, DBC⁺00, Fer71, GY67, GBCW00, JRD81, McG72, NOR03, PPTH72, ZMF02, AAB⁺05a].

machine-readable [GY67]. **Machines** [Jen79, Mac79, SKN06, NOR03]. **machining** [Alm72]. **Macro** [Fre66]. **magnetic** [GH03].

mail [Fah02, Zlo82]. **Mainframe** [KLRP86, ABB⁺03]. **maintaining** [HKS08].

maintenance [JRD81]. **Makeup** [She80].

Making [LD99, RHC⁺06, SHLP05, KS03, MMS00].

Man [Cle95]. **Man-Month** [Cle95].

manage [CGRW07]. **Managed** [LD08, Par82, Gel89]. **Management**

[AM04, AB92, Bak72, CBC⁺06, CK05, DO84, EMMT78, FL04, FG79, Gar83, Got86, Ham82, Kre01, Lai75, MMS⁺04, McG77a, McG77b, McG77c, McG77d, McG77e, PJ86, Per02, SFJ⁺94, Sor84, Ste92, Sul83, TG93, Wat79, AvKM⁺07, ACG⁺95, Ano73e, AC89, ABB⁺03, BFH⁺94, BBE⁺97, BCvE⁺05, BBMA91, BH80, BDL⁺07, BN89, BK63, BCD⁺07, BCL⁺04, Cen67, CHPW07, CGG90, Cla66, CKKS02, CFL⁺06, DDMS97, DDK⁺04, DHP02, Dye80, FSSS01, FK02, GFG⁺92, Gla93a, Got92, HCGT90, Hen69, HAB⁺92, Joh97, JHMO07, KJP03, KDA⁺94, KBS94, Kan88, KBB⁺05, KOH⁺07, Kee93, Kes03, KAN⁺07, KBC⁺07, LPPC03, Lar08, LRS02, Lin80, LHJ⁺07, MSB⁺07, MQR05, MBB⁺07, MLA91, Mil80, Mil99b, MPTW94, Moo88, NMB04, O⁺N80, ÖLL07, Owe95, Pru01, Qui80, RMP08, RCPR07, Raz93, RS98, RM67, RM88, RW04, Sch03].

management
[Sha79, SH87, SCK02, SM92, THL⁺03, TKE01, Tri91, VAH⁺02, Wah72, WAB⁺07, Wei79, Wit66, d'A89, DL89, DFGS92, GK07, JRST07, LMPR07, MSB⁺07, Rac96].

Manager
[LeB08, MOK78, Per02, CM88, Sag90, Wat88, Ano90f, FP90, LP74, Pau07, Sag90].

Managing [BFH89, DHPB03, DK79b, KTBE05, LC80, LA94, Rei79, RMDN03, Tem92, TG84, AEE⁺97, BEF⁺07, CCC⁺08, CHPW07, NNH⁺05, SJL⁺04, Cra95].

manipulating [BM99]. **Manipulation** [HOST05, CFL05]. **manual** [JRD81].

manufacturing
[Hae03, Haz96, SD03, VMKB05, Don03].

map [Kee93]. **Mapping**
[CF05, WSG⁺01, RHC⁺06]. **MARC** [CM77]. **market** [FFK92, SJL⁺04, SJL⁺04].

Marketing [Boo85, HST06]. **marketplace** [JA00]. **marketplaces** [GOS05, SMK⁺02].

Martha [Vet95]. **Martin** [Cav95]. **Mary** [Wat94b]. **Mass** [Gra78, Mis81]. **massively** [YC06]. **Material** [Orl73, Chu63].

materials [Fle96]. **Mathematical**
[Men68, JN92]. **matrices** [Rob01]. **Matrix** [Loe65, BHS⁺65, HRL87, Rad66]. **mature** [BCK⁺94]. **maturity** [HST06]. **Maximize** [TG84, DHP02]. **Maximizing** [Alf94]. **ME** [ZZC⁺08]. **Measurement**
[Cal75, Fla85, Sta69, WM93, WF77b, BS83, Bar71, MBBD98, SWS06]. **measurements** [Smi96]. **Measures** [Att79]. **Measuring** [Buc69, Gla93b, Jon78]. **Mechanism** [GWM75, Mor78, GMTW08]. **Media** [BDCA00, LK96, Lip00, SDP00, Ger96a, Haa00b]. **mediated** [Mar99]. **Medical** [HG86, EDG⁺96]. **medium** [MBB⁺07].

MEDLINE [LRHH04]. **MedTAKMI** [ITIW07]. **MedTAKMI-CDI** [ITIW07].

Member [SB82b]. **Memory** [Bar75, Mat86, GMTW08, HG71, Nai95, PBS97, SH87].

Merge [Rad66]. **Merge-sort** [Rad66]. **merger** [Ber92a]. **mesh** [VSC⁺03].

Message [Don03, Ken03, Klo08, Kov01, LK05, LeB08, Mil02, Per02, Rom08, San07, SSR87, Spe02, Unl08, Wei05, Woo02, d'A89].

messages [Hau68]. **Messaging** [vGLS98, BGERS08, DHK⁺08, SMM⁺00].

MetaCricket [MMS00].

metaprogramming [Bat06]. **metering** [AM04]. **Method**
[NS84, WF77b, dL78, AGA⁺08, EW66, FT92b, JK92a, SBC97, Whi01, AR76].

Methodology
[Kra03, Co080, MOCP85, Pal04]. **methods** [Bur96, FT92a, HM93, Loe65, NS05, PCFY07, Sel08, ZS99]. **metric** [WA02b].

Metrics [BBS02, Bur96, KPM01]. **mice** [Smi96]. **Microprocessors** [ML84].

Microprogram [Tuc67].

microprogramming [Dav72]. **microtask** [OIS⁺06]. **middleware**
[AJ05, CDK⁺05, DHK⁺08]. **Migration** [GL90]. **Mike** [Joh95]. **mill** [BKP64]. **mind** [CK98]. **minded** [VW06]. **minds** [NS05].

minidisk [Boz89]. **Minimal**
[Woo69, Ano70k, Dim63]. **minimize**

[Mar63]. **mining** [LI01, NN01, ORBdSB02, UMN⁺04, WYB98]. **mission** [CDK08]. **mission-critical** [CDK08]. **Missions** [Qua70]. **Mixed** [CCJ78]. **MMBase** [BCvE⁺05]. **mobile** [DEA99, GM03, KMSM⁺07]. **Mode** [Cav95]. **Model** [ARNRSG06, BBCM06, BL76, Buc85, CC78, CBC⁺06, CGP68, Dei82, GL74, HT06, Hei85, Kra78, Lar06, Lip68, Pad68, SNK⁺08, ZLK⁺07, AP90, Bat06, Bay98, Ber92b, BGL⁺05, BDL⁺07, BIJ06, Cha66, CBG⁺07, CH06, ETD07, FHP02, Fer71, FS05, Fer91, Fer92, GB07, Hir90, HST06, KBB⁺07, KHSW05, KBC⁺07, MGM⁺06, NA07, PV97, Rap04, Sar77, Sel06, Sel08, SAAF73c, SE08, SY71, SWS06, SBL⁺94, WA02a, WKI03, Woo70, ZZC⁺08, BR92, ETD07, EN07, HD88]. **model-based** [FHP02, Sel08, SWS06]. **Model-driven** [BBCM06, HT06, Lar06, SNK⁺08, Bat06, BGL⁺05, BIJ06, KBB⁺07, KHSW05, KBC⁺07, Sel06, ZZC⁺08]. **Modeling** [AS82, App68, HKS71, Kan91, Rei76, Sea80, ABK⁺06, ANPT02, AOFH92, BM68, BCK⁺07, BS67, Bun00, Che69, Gor73, HBZ06, HAB⁺92, Inm98, Kat90, LNH06, MM90, NNH⁺05, Orw96, TRL⁺08, Wat94a, WSG⁺01, YC06]. **modeller** [BCG⁺89]. **Models** [KRR80, VL05, WFS80, AW72, Bat06, Bov96, CdVF⁺06, DF07, JEF04, Kin73, LMX07, Pic96, SR06]. **modern** [Lip96]. **modifying** [Ger62]. **Modular** [Gor80]. **Moffat** [Cra95]. **molecular** [SSH88, SM01]. **molecules** [Koi89]. **Monitor** [BCHM80, Bon69, Got92, Sud67, Tem92]. **Monitoring** [BGH76, KMSM⁺07, BBC⁺07, CT96, HR81]. **Month** [Cle95]. **morphological** [ESH89]. **Morphologically** [Wot93]. **motion** [Ver96]. **motor** [MFJ05]. **mouse** [LS05]. **movement** [RMC03]. **Moving** [JA00]. **MPI** [OIS⁺06]. **MPSX** [SS78]. **MPSX/370** [SS78]. **multi** [Pie68]. **multi-item** [Pie68]. **multiagent** [BSP⁺02]. **Multicast** [BGG⁺95a]. **multidatabase** [ABC⁺95]. **Multilevel** [Bat06, BM68]. **Multimedia** [Bov96, DDMS97, KBB⁺97, Moo90, SB00b, ABLM95, PRZ02, PWF05, RC91, WLE⁺97, Nae94]. **multiplayer** [YC06]. **Multiple** [AS82, BHR89, DW00, GM79, GSN⁺01, SGS89]. **Multiple-System** [GM79]. **multiplicity** [SM79]. **Multiport** [Syk88]. **Multiport/2** [Syk88]. **Multiprocessing** [ACM74, HPSS79, Mac74, BGP62, BCE67, Dev67, Kee67, LR67, Sew67, Smi63, Sud67]. **Multiprocessor** [TB84, GMTW08, HMS92, KKS88]. **multiprocessors** [AGMS89, SPS⁺91]. **Multiprotocol** [HLM95, PTE⁺95]. **multipurpose** [HZ84]. **Multistream** [ZS99]. **Multisystem** [Bla64]. **multitasking** [Hav68]. **Multithreaded** [EFN⁺02]. **multivendor** [Moo88, Ste92]. **museum** [SDP00]. **music** [JF91]. **MVS** [Ber78, CC78, Cla89, CM77, GTB90, LS91, MCE⁺86, Rub89, Sch80a, Vos92]. **MVS/ESA** [Cla89]. **MyMed** [LRHH04]. **Mythical** [Cle95]. **name** [BMMR96]. **namespace** [ALE⁺04]. **Naming** [ZABM92]. **NAS** [AAC⁺95, Nai95]. **National** [Gra78]. **native** [BCH⁺06]. **Natural** [Mil81, HKOS96]. **Navigating** [Sma96]. **navigation** [PWF05]. **Navigator** [DLP⁺05]. **NBBS** [ACG⁺95, BGG⁺95b, MICG95, Owe95, PBCK95, TOV⁺95]. **Near** [Zim96]. **Near-field** [Zim96]. **Net** [Orl73]. **NetView** [ACG88, CBH⁺92, Got92, Tem92]. **NetView/6000** [CBH⁺92]. **NetView/PC** [ACG88]. **NetVista** [KRS⁺98]. **Network** [Ahu79, AR76, Ano76j, Cul76, DSM83, EHJ77, Gar83, Got92, Gre79, Har80, Hob76, Irl92, McF76, MK73, Moo79, PJ86, SP78, Sul83, BGT96, BGG⁺95a, CT96, EW66, Hob72, HAB⁺92, Kan88, LGCB95, Owe95, PBCK95, RM88, SE08, SM92, Wei79, WB69, BS83, Got86, Hob76, Joh95].

network-centric [BGT96]. **networked** [Zim99]. **Networking** [Cra78, GM79, MLA83, CA95, HLM95, GCF+87, IKS+95, PTE+95, SKG+87]. **Networks** [BHWW83, Bux84, Fre73, GG87, GBK83, HHP79, Mar83, Ryd83, Sch87, Sul83, WI83, Alf91, AB92, BFH89, BR08a, BRM02, CHNS95, Dim63, HDS03, HS00, JMZ92, Lip00, Mon67, Moo88, OSK+95, SVM+03, Ste92, Vet95, Zim96]. **neural** [Alf91]. **Neutron** [Cre68]. **News** [ES00, BCE+96, Eva96, GB00b, KB00]. **Next** [DDMS95, BTB95, BC04, DMB+06, Sal88, Sin03]. **NIL** [PS83, PS99]. **No** [GM03]. **node** [BGG+95b]. **nonlinear** [Mug62]. **North** [AOFH92]. **Norwegian** [AOFH92]. **notation** [Ive63, Ive99]. **Note** [FKS+03, Ger62, Gom62, Hei63, AGMS89, ACO+91, Bev00, Bla98, DCH+03, HKOS96, LD99, LT89, LM93, dMR03, Mil99a, Pol98, Ric00, vdS00, Wat94a, Zha98]. **Notes** [Gin65]. **Notification** [NG05]. **number** [LGM69, Rec72]. **Numbers** [Ano65e, HLLW72]. **Numeric** [HG86]. **Numerical** [Alm72, HMS92, MMG+00]. **numerically** [SSH88]. **Nutt** [Lor94a]. **NWChem** [SM01].

O [AT79, HS03, Maj81, McN93]. **OASIS** [NG05]. **Object** [Bec95, Hak90, HCGT90, Rad96, SFJ+94, SC97, TK89, Alf94, BBN96, Bov96, CCHJ94, Coc93, Coc99, EDG+96, Fli97, HP95, Hen98, LH97, McD96, Par96, PV97]. **object-orientation** [Coc93, Coc99]. **Object-Oriented** [Bec95, TK89, CCHJ94, EDG+96, Fli97, HP95, McD96, PV97, SC97]. **Objectives** [Hum85, BCL+04]. **Objects** [Ano96a, Rac96, HM93, PBv97, RLPG96]. **ODC** [BMK02]. **Office** [BBC82, Gar81, GB84, LCS82, Moo83, Som84, Ano85b, DeS81, EGLT79, GH79, Zlo82]. **Office-by-Example** [Zlo82]. **OLAP** [CMR02]. **older** [MDC+05]. **On-Demand** [TLRH98]. **On-Line** [KW86, Dar70, Eva96, SBC97]. **one** [BHR89, Bou05]. **Online** [SR06, DMB+06, LLS+06, SSR+06, YC06]. **ontologies** [SSM+04]. **ontology** [AT06]. **OPAS** [LCS82]. **Open** [Asc86, Bou05, Col95, AAB+05a, AAB+05b, BCvE+05, CFGS05, Cyp92, HBC+05, NS05, OCK+92, Sim05, YLG05, FFK92, MSZ+01]. **Open-source** [Bou05, AAB+05a, AAB+05b, BCvE+05, CFGS05, HBC+05, NS05, Sim05, YLG05]. **Opening** [NS05, JMZ92]. **operated** [COC63]. **Operating** [AMP76, AJ73, Bir73, Kra78, Lor94a, McP74, RGH+76, Sch73, SS69, Ano63b, AAB+05b, AJ99, BHR89, Cla89, Dar70, Dor63, FSSS01, Hed63, Kie79, Lar63, LS87, LMPS02, Mue67, SRM+98, SH68, Tal63, WT64, CRTW88, KR88, Miz88]. **operating-system** [AAB+05b]. **Operation** [Har80, McG77a, Irl92]. **Operational** [KLS90, Sta69, BCK+07, LR67, NC03]. **Operations** [MCE+86, Ano65f, Ano65g, Bak65, Cal65a, Cal65b, CNL08, Dzi65, Gor65, Loe65, Sha65a]. **Operator** [Ant75]. **Opportunities** [ES05, Eva96, SCK02]. **opportunity** [KLS90]. **optimal** [EW66, Mug62]. **Optimization** [Gha75, WR92, ATJ92, BEH+06, BG71, JK92b, FT92a, FT92b]. **optimize** [LDL+08]. **Optimized** [AvKM+07]. **optimizer** [MLR03]. **Optimizing** [MMS98, RG85, Ryd74, AAB+07, HS00]. **Optimum** [Kos63a]. **options** [JAS08]. **orbitals** [SSH88]. **order** [Cal65b]. **Orfali** [Ano96a]. **Organization** [Buc63, Mat86, Bla64, CGP68, EN07, GTB90, Gla93b, HST06, Raz93, SB97, SAAF73b]. **organizational** [BBWL05, LS01, Mar01]. **organizations** [BVP93, CJ04, HV93, HV99]. **organizing** [BDL+07]. **orientation** [CGH+05, Coc93, Coc99]. **Oriented** [Bec95, Jon77, AGA+08, ABW+08,

BBWL05, BCE67, BDE⁺05, CCHJ94, CC05, CK05, CBC⁺05, CDK⁺05, Dev67, EDG⁺96, FS05, Fli97, HOST05, HP95, KCLR05, KOH⁺07, Kee67, KBC⁺07, LR67, McD96, NLN⁺07, NG05, PV97, SHLP05, Sew67, SC97, Sud67, TK89, VL05, Wal07]. **originality** [LHT⁺07]. **origins** [WGB99]. **OS/2** [CM88, Fer91, Fer92, Wat88]. **OS/360** [Cla66, Mea66, Wit66]. **OS/390** [DDMS97, DBC⁺00, KBB⁺97]. **OS/VS1** [BHS74, Whe74]. **OS/VS2** [Ber78, LP74, McP74, Sch73]. **OS/VS2-2** [Sch73]. **OSGi** [GHM⁺05]. **OSI** [JMZ92, SSY⁺87]. **OSI-SNA** [SSY⁺87]. **OSL** [Min92]. **Other** [Mac79, Bou05]. **Outline** [BB64]. **outlines** [Bak65]. **Output** [Bon69, Sar77]. **Overview** [Bro80, HJ84, Lor86, MICG95, MHMM75, PSLB97, SOT⁺00, Sul83, Sum84, Tuc86, AG90, ACG⁺95, Ano76j, ABD⁺97, BS04, BAC⁺81, BAC⁺99, BDE⁺04, CM88, GK07, Got98, Kah84, KBS94, LS87, McF76, ST89, ST99, Tod76, Wat88, YS91].

P [Cle95]. **package** [Rul68]. **Page** [She80, TBB⁺87]. **page-swapping** [TBB⁺87]. **paging** [SY71]. **pair** [Rob01]. **pairing** [ATJ92]. **PAM** [ALPC88]. **PAM-CRASH** [ALPC88]. **panel** [HRL87]. **paradigm** [Hei90, Zim99]. **paradigms** [BHW99]. **paradox** [LD08]. **Parallel** [BFG⁺95, CFP⁺95, JAS08, KDY97, Nai95, TPS⁺88, Wil91, AAC⁺95, BARM97, BEIW97, CLS88, SL67, SHFG95, WB95, Joh97, NMCB97]. **Parallelism** [MPTW94]. **parallels** [Ygl93]. **Parameter** [Gor65]. **Parameters** [KL74, Ano74j, Ano74l]. **PARC** [WGB99]. **parsers** [PMK⁺06]. **Part** [Amd64, AJ99, Bak65, BB64, Bla64, BCE67, Blu64, BKP64, BD66, Cal65a, Cal65b, Cla66, CGP68, DeM68, Dev67, Dor63, Dye80, Dzi65, EG64, EW66, Gay66, Gor65, Hed63, Kee67, LR67, Lar63, Lin80, Lip68, Loe65, MW66, McG77a, McG77b, McG77c, McG77d, McG77e, Mea66, Men68, Mil80, Mil99b, O'N80, Pad64, Pad68, Qui80, Res00, SLW66, Sea66, SAAF73a, SAAF73b, SAAF73c, Sew67, Sha65a, Ste64, Sud67, Tal63, Vel64, WT64, Wit66]. **part-period** [DeM68, Men68]. **Partial** [PVW91, HH66]. **partner** [HFB⁺08]. **parts** [Bau93]. **Pass-Through** [MLA83]. **Past** [Hen86, JMW83, Sen77]. **path** [Maj81, TOV⁺95]. **paths** [Mon67]. **Patient** [MV80]. **patients** [KMSM⁺07]. **pattern** [GKT63, LC01, MKGR07]. **Patterns** [Bec95, Mil08, PY08, Baa91, BFVY96, CN08, HMP02, Hes05, HBZ06, MGM⁺06, Pau07]. **Paving** [SB95]. **payment** [AASW98]. **PC** [SH87, ACG88, Com90, Ghi85, HRL87]. **PDA**s [LC03]. **PDM** [MOCP85]. **pedagogy** [Pap00]. **Peer** [GCF⁺87, SKG⁺87]. **Peer-to-Peer** [GCF⁺87, SKG⁺87]. **Penetrating** [AMP76]. **People** [Dea82, ES05, KTBE05, LS05, MDC⁺05]. **Performance** [Aga85, BS83, Bar71, Bar73, Bar75, Ber78, Bon69, Buc69, Bux84, Cal75, CLSW84, CC78, CBC⁺06, CW86, DPR90, Dru69, Gro85, Kra78, Man74, Mor73, Sea80, Siw77, SA69, Ste79, TG84, TB84, AAC⁺95, ABLU00, AJ05, BCF⁺04, BDH75, CHL⁺00, CC89, DMB⁺06, DHPB03, DAK00, EOO⁺06, HS00, JRD81, LGCB95, LS01, Mar01, MS75, MMG⁺00, PBS97, Sam88, SG98, Sch80b, SY71, SKA86, SDP00, SSA⁺95, Tem92, TB05, WA02b, WBC04, YC06]. **performing** [GBCW00]. **period** [DeM68, Men68]. **Perlman** [Joh95]. **persistence** [SC97]. **Personal** [Cla85, KMT85, Mur84, RG85, Rym90, TAR85, BBC⁺03, CG77, Haa00b, HS03, Ive91, KMT86, KAN⁺07, d'A89, BBC⁺07, Zim96]. **Personalization** [PWF05, Ben96]. **Personalizing** [KBK⁺03]. **Perspective** [CFS81, Dru69, Hop87, AR76, Aro67, Bra79, DK74, GCF⁺87, GH79, KBS94, Rad96, Sch83]. **Perspectives** [RC91, Shu89, Shu99]. **pervasive**

[AS99, DEA99, HBBWS01, LD99, Mar99].
petaflop [IBM01]. **Peter** [Wat94b].
Peterlee [Tod76]. **pharmaceutical**
[BGL⁺05, CFC05]. **phased** [HLT94]. **phases**
[Dav93, Dav99]. **Philosophies**
[Sch73, Whe74]. **philosophy** [Cha89].
phonetic [Wot93]. **Physical** [Sme78].
Physically [PDI⁺00]. **Physics**
[Ger96a, MPH68]. **piecewise** [JK92b].
Pierson [McQ94]. **PL** [Sym68]. **PL/I**
[Sym68]. **place** [SCO03]. **places** [Spo99].
Planning
[Buc85, Dei82, Lan73, NORS80, Orl73,
SB82a, Sme78, Bro80, Cal65a, Co080, Dzi65,
Dzi73, EKS92, HKS71, Sha65a, Zac82].
Planning-data [Lan73]. **plans** [SHP69].
plant [Omi81]. **platform**
[BS05, GHM⁺05, LGCB95, MBB⁺07,
MLDF08, RAK08, SMK⁺02, Sel08, SSR⁺06,
STF⁺01, ZZC⁺08, dRW04, BDE⁺05].
platforms [PGM⁺92]. **Playback**
[NS84, SR96]. **playing** [YC06]. **plotter**
[Bre65]. **point** [FT92a, Pad68, Swe65].
points [All99, GS99, Gol99, Mar63, WB99].
Policies [WFS80]. **Policy**
[ACGL04, Gha75, ABB⁺03]. **Policy-based**
[ACGL04, ABB⁺03]. **polymorphic** [Wel65].
pool [BD66]. **portable** [GM91, BAI⁺86].
portal [YLG05, SJL⁺04, WRS04]. **portals**
[MRB01]. **portfolio** [JK92b]. **Porting**
[AG90, BPZ90, GL90]. **Possible**
[JMW83, SS78]. **Post** [Lip96].
Post-modern [Lip96]. **postgenomic**
[WPSL01]. **Potential** [Fra79]. **Power**
[KMT85, Lai75, MLDF08, CBG⁺07,
KKL⁺04, KMT86, Pap00, WB95]. **powered**
[Sta96]. **pp** [Ano02a]. **Practical**
[SS01, Wat94b]. **practice**
[CN08, GR01, LS01, Mar01, MB96].
practices [Dye80, KAN⁺07, Lin80, Qui80].
precedences [Gor71]. **precision** [KA71].
predicate [TVPL94]. **predicate-based**
[TVPL94]. **predictable** [HYJK06].
Predicting [PBS97, Sea80, VPH⁺08, WA02b].
prediction [SF01]. **Predictive**
[VAH⁺02, ANPT02]. **Preface**
[BHS⁺05, BR03, BR07, BR08b, DHS89,
Ger85a, Ger85b, Ger86a, Ger86b, Ger86c,
Ger87a, Ger87b, Ger87c, Ger87d, Ger88a,
Ger88b, Ger88c, Ger88d, GBR06, HIP⁺03,
Hof89a, Hof89b, Hof89c, Hof90a, Hof90b,
Hof90c, Hof90d, Hof91a, Hof91b, Hof91c,
Hof91d, Hof92a, Hof92b, Hof92c, Hof92d,
Hof93a, Hof93b, Hof93c, Hof93d, Hof94a,
Hof94b, Hof94c, Hof94d, Hof95a, Hof95b,
Hof95c, Hof95d, Hof96a, Hof96b, Hof96c,
Hof97a, Hof97b, Hof97c, Hof97d, Hof98a,
Hof98b, Hof98c, Hof98d, Hof99a, Hof99b,
Hof99c, Hof00a, Hof00b, Hof00c, HRB02,
JSR07, Lac81, Lac82a, Lac82b, Lac82c,
Lac82d, Lac83a, Lac83c, Lac83d, Lac83b,
Lac84a, Lac84b, Lac84c, Lac85, MSSR08,
McQ75, McQ76a, McQ76b, McQ76c,
McQ76d, McQ77a, McQ77b, McQ77c,
MSR08, NSS⁺06, PWSR07, RD01, RB01a,
RB01b, RB02b, RD02, RB02a, RD03,
RB04a, RS04a]. **Preface**
[RS04b, RB04b, RS05, RB05a, RB05b,
RB06, RS06, RB07, SR08, Thi77, Thi78c,
Thi78d, Thi78a, Thi78b, Thi79a, Thi79b,
Thi79c, Thi79d, Thi80a, Thi80b, Thi80c,
Thi80d, Thi81a, Thi81b, Thi81c, VRS03].
premier [LMPS02]. **Preparing**
[RR96, RW04]. **presence** [KTBE05].
Present [Gay95, Hen86, JMW83, Sen77].
Presentation
[NJ80, Moo90, Paz89, dM93, FP90].
presented [Caf08]. **President**
[Don03, Ken03, Klo08, Kov01, Mil02, Rom08,
San07, Spe02, Unl08, Wei05]. **Presidents**
[LK05]. **Prevention**
[GTB90, Jon85, New85, MJHS90]. **Price**
[Pal04]. **Price-at-Risk** [Pal04]. **Pricing**
[Gha75, BKK⁺02, Pal04]. **Pricing-Priority**
[Gha75]. **primary** [LC01]. **primer** [San81].
Principals [GB84]. **Principled** [Mil99b].
Principles [Joh68, KKL06, Mil80, Hel69].

print [PWF05, dM93]. **print-disabled** [PWF05]. **Printer** [She80]. **Printers** [MDHM86]. **Printing** [HP93, dPBM88, dP88, dM93]. **priorities** [Hau68]. **Priority** [Gha75]. **Privacy** [Sch03, SS01]. **Private** [GG87, Joh95, KHC02, SMK⁺02]. **proactive** [WPT03]. **probabilistic** [ANPT02, HAB⁺92]. **Probability** [All74]. **probing** [BRM02]. **Problem** [CCJ78, For78, Fri70, Kol69, New85, WI83, ApS64, FS72, Gom62, Pie68]. **problems** [BBET71, CLS88, MW66]. **procedural** [van98]. **Procedure** [LCS82]. **Procedures** [Hir81]. **Process** [Fla85, HB85, Jon85, RROC85, RHMP85, SB93, BHC⁺94, BCK⁺94, BARM97, Bro80, CDM⁺04, HBC⁺94, Hum85, KPM01, KKL⁺04, KHSW05, LRS02, LTL⁺08, LMX07, Pau07, RHMP99, GTB90, Got86, MB96, Pau07]. **Process-Integrated** [Jon85]. **Processes** [Cha70, SG98, BGL⁺05, FSSS01, HYJK06, JL00, JRST07, KKL06, LA94, Mug62, Sch93]. **Processing** [AS82, Aga85, AC68, Ahu68, AT79, Amd64, Ano68h, Ano68i, Ano68g, ADD68, App68, BM68, Bro68, CD68, Com68, Cre68, Dav78, DZ68, FG79, GTC68, GRW86, GHMWB84, Har80, Jac68, Joh68, Laf68, MPH68, McG77c, McG77e, Ohm86, Oka68, Rul68, Sch78, Sym68, AEE⁺97, Bro80, CLS88, Gri63, Hir90, Kie79, Loe65, Lor79, MOB⁺08, RS72, RC69, Sch88, Sch99, SE08, Tur63, WT64, ZLK⁺07, Zlo82, CF90]. **Processor** [LC80, Maj81, Syk88, TB84, BHR89, McN93, OIS⁺06, SH87]. **producers** [SBE⁺00]. **producing** [Haz96]. **Product** [Cla81, Rof01, SL75, Bat06, Bla98, DP95, FS05, GMM⁺06, Kan88, Dew90, HDH88]. **product-based** [DP95]. **Production** [Bak72, Cal65b, Bro80, Dzi65, HSY01, Sha65a]. **Productivity** [Fla85, Jon78, Jos81, Lam84, RMH08, Ste82, Str75, Tha81, Tha84, HYJK06, PV97]. **Products** [DH83, Sym86, DPR⁺02, Kah84, Got86]. **Professional** [DW85, RG85]. **Professionals** [Hel81]. **Profile** [Lai75, SRM⁺98]. **Profile-directed** [SRM⁺98]. **Profiler** [VL00]. **profiling** [KJBH⁺00]. **profits** [DHP02]. **Program** [ALP83, BL76, CM77, Cor89, Fag76, GHH⁺83, HLM⁺75, HG71, JD70, Lam84, Mor73, Pow83, Rog83, Ryd74, SZ88, Sta76, Van76, ABDD⁺91, BESZ02, BHS⁺65, Bro91, BDG⁺94, Cle89, CMW87, DMMR92, Dev67, EFN⁺02, Fag99, LR67, Lew66, McC78, McG65, Mon62, Mug62, O'N80, Rym90, Tal63, AGLR90, Hob76]. **Program-To-Program** [GHH⁺83]. **Programmable** [RMSS96]. **Programmer** [Bak72, Tha84]. **Programming** [AT79, ACM74, Bak72, Ben94, BDK⁺81, CCJ78, FS05, FG79, Fla85, Gor71, Ive63, Ive99, JDK⁺91, Jon78, KRR80, Mil81, Mye76, PS83, PMM83, RROC85, RHMP85, Rog75, RS85, Sam88, Ste63, WF77b, Wil86, Alf91, All71, Bay98, CC05, Dor63, Dzi65, Fer91, FT92a, FMR02, GTB90, Hed63, HK65, JK92a, JN92, Lar63, Min92, MMG⁺00, Neu71, OIS⁺06, Orw00, PS99, Pom72, RHMP99, Sal88, Sha79, Shu89, Shu99, Tal63, TK89, WT64]. **Programs** [BEP80, KMM⁺80, Qua70, Sew67, dL78, All71, BS67, FP90, Gin65, Kee68, MMS98, YFS94]. **Project** [DF63, Rac96, AAB⁺05a, ABD⁺97, ABC⁺95, BDG⁺94, DMMR92, Dim63, OCK⁺92, Raz93, RCB98, AR92, Pra83]. **projects** [AAB⁺07]. **Prolog** [BBGB92, Wil86]. **promise** [WB95]. **prompted** [Wat88]. **proposal** [Mil99a]. **proposed** [EPTD05]. **proprietary** [Bou05]. **proproceptive** [Ver96]. **Prospects** [CHPW07, GG87]. **protection** [JG07, MN06]. **protein** [DK01, IBM01, JRG⁺01, Rob01, SF01, WMSW01]. **proteins** [LC01]. **proteome** [LI01]. **Protocol** [GJ87, MK73, DDK⁺01, CGHK98, Che01, SVM⁺03]. **Protocols**

[Gre79, PTE⁺95]. **prototype** [TBB⁺87]. **Prototyper** [van00]. **Prototyping** [Ber84, VM03]. **Providing** [BS05]. **provisioning** [ACGL04]. **Prycker** [Cav95]. **PS** [HD88]. **PS/2** [HD88]. **pSeries** [JBB03]. **pseudo** [ABDD⁺91]. **pseudo-random** [ABDD⁺91]. **pseudorandom** [LGM69]. **Public** [HHP79, Joh95, Ben01, LMJW93]. **Publications** [BDK⁺81]. **Pulsar** [ABW⁺08]. **purpose** [Blu64, BKP64, EG64, Gor62, Gou69, HS65, Vel64]. **Putting** [JB91]. **puzzle** [Fli97, TKE01].

quadratic [JK92a, JK92b]. **Quake** [DHB⁺06]. **Quality** [Ano96a, BGH76, CH85, Jon78, Ben94, CCHJ94, HR81, HS08, Kan91, KDA⁺94, KBS94, WM93, Wat94a]. **quantifying** [GKB⁺03]. **Quantitative** [Nor93]. **quantumcomputer** [MBG00]. **query** [Cha02, MLR03, Wat88, Sor84, Zlo77]. **Query-by-Example** [Zlo77]. **queue** [Sha65b]. **queued** [BD66]. **Queuing** [All75, Cha70, Dei82, Rec72, Ano75j, Cha66].

R [Lor94b, Wat94b, BAC⁺81, BAC⁺99]. **RACE** [DMMR92, OCK⁺92]. **Radia** [Joh95]. **radiation** [EKS92, HD88]. **Radio** [ES00]. **Ralph** [Ano96a, Bec95]. **Random** [Ano02a, BM83, ABDD⁺91, BESZ02, Hei63, Rec72]. **range** [Cal65a]. **Rapid** [Hou93]. **Raster** [She80]. **Rate** [Bro85, Jen92]. **Rational** [BDE⁺05, BLJ06, LNH06]. **Rationale** [Bot82, Bot89]. **Re** [Bri90, Dav93, Dav99, OT94]. **RE-Analyzer** [OT94]. **Re-engineering** [Bri90, Dav93, Dav99]. **reactive** [HMS92]. **read** [GMTW08]. **read-copy-update** [GMTW08]. **readability** [Hal77]. **readable** [GY67]. **reading** [Ano80h, Ano80i, Ano81i, Ano81j, Ano81k, Ano81l, Ano82i, Ano82j, Ano82k, Ano83b, Ano83c, Ano84d, Ano84e, Ano86b, Ano87d, Ano87e, Ano95b, Ano99d, Ano01c, Sti94]. **Readings** [Dav72]. **Real** [Aro67, BG71, Bur96, Mac79, NO70, RGH⁺76, ABLM95, BM72, BGRS08, Gin65, GMTW08, HR81, HST08, MOB⁺08, Mue67, PY08, SHLP05, SL95, Sel08, SH68, Wit63, HST08]. **Real-Time** [NO70, RGH⁺76, Aro67, BG71, Bur96, ABLM95, BM72, BGRS08, Gin65, GMTW08, HR81, MOB⁺08, Mue67, PY08, SL95, Sel08, SH68, Wit63, HST08]. **real-world-aware** [PY08]. **Realizing** [BDE⁺05]. **Realtime** [Syk88]. **REASON** [PLGB90]. **reasoning** [MMS⁺02]. **recognition** [KSWC93]. **recognize** [Pic00]. **Recommendations** [DH83, SSR87]. **reconfigurable** [WKI03]. **reconfiguration** [JBB03]. **Record** [GB07, Str97]. **record-level** [Str97]. **records** [Gla93a]. **Recovery** [Cru84, BCSW91, CBCS08, LSH⁺08, BBMA91, CM77, MSS91]. **Reduce** [Fag76, Fag99]. **Reduced** [Hop87]. **redundancy** [SL67]. **Referees** [Ano81g, Ano85c, Ano89e, Ano93h, Ano97d, Ano01b, McQ77d]. **Reference** [BFH⁺94, ETD07, HRL99, LG99, MMS98, SR93]. **Reflections** [MLA83]. **Registers** [Day70]. **registration** [ZABM92]. **Related** [DH83]. **Relational** [BE77, CMR02, Tod76, BCH⁺06, CMCD94, FCM⁺98, FKS⁺02, FKS⁺03, Hir90, Kah84, MPTW94, RLPG96, San81, THL⁺03]. **relationship** [GOS05, RW04]. **relationship-based** [GOS05]. **relationships** [Jac68, WSG⁺01]. **Release** [Got92, LP74, AGMS89]. **Reliability** [HPPS75, Mis83, BFSLT08, Wat94a, Wel65]. **reliable** [Bou05]. **relocation** [McG65]. **Remote** [BBC⁺07, Irl92, Kra03]. **reorganization** [SBC97]. **repair** [CNS⁺08]. **Replacement** [Ryd74, Bel66]. **Replication** [RMH08]. **reply** [DM76, WF77a]. **reporting** [RCPR07]. **Repository** [Ano90f, Sag90]. **Representation** [BEP80, HG86]. **representations** [SAAF73c]. **Representing** [Haa96, FG90]. **Reprints** [Ano76k, Ano77l, Ano78m, Ano82h, Ano90g, Ano75k, Ano78l].

reputation [Kes03]. **request** [BD66, LHJ⁺07]. **request-queued** [BD66]. **Requirements** [Bjo75, Chu63, Dav82, Ori73, SSS⁺87, WFS80, BFH⁺05, CK98, DD64, DP95, MOCP85, Odo90]. **Research** [AAB⁺05a, Ken03, Spe02, BGL⁺05, BDCA00, DMMR92, GMM⁺06, GH79, HCR⁺07, LRHH04, JMP02, MKGR07, PVK08, SBL⁺94, WGB99, CG77]. **residue** [Rob01]. **resiliency** [Caf08]. **Resilient** [SBC⁺08, VSC⁺03]. **Resolution** [Han80]. **Resource** [BBMA91, CW81, MSS91, ABW⁺08, BSC⁺01, DDMS97, LA94, PH01]. **resource-control** [ABW⁺08]. **Resources** [GWM75, LP74, CHPW07, GC88, JL00]. **respond** [KBB⁺05, KBB⁺07, Pic00]. **Response** [Lam84, DK79a, Kos63a, Mor79]. **Responsive** [BMP08]. **restart** [BARM97]. **restructuring** [HG71, SRM⁺98]. **results** [BBS02]. **Retail** [Ant75, BDH75, HPPS75, MHMM75, Ste93]. **Retrieval** [Jon77, Jac68, PRZ02, RM00]. **Reusable** [Bec95, Bau93]. **reuse** [Gri93, Lar06, PCH93, TG93, Was93, Ygl93]. **reusing** [HRL99]. **Reverse** [Aik98, BDG⁺94]. **review** [Bon84]. **Reviewed** [Rac96, Ano96a]. **Revisited** [BBDT84]. **Revolution** [Bie97]. **Revolutionary** [SRCV06]. **REXX** [Cow84, Hoe89, PVW91]. **RF** [BL95]. **rhythm** [SLD89]. **rich** [PWF05]. **Richard** [Bec95]. **Right** [Ano96a, SCO03]. **rights** [Fah02]. **Ring** [DSM83]. **RISC** [ABDD⁺91]. **Risk** [Ano96a, AvKM⁺07, BEF⁺07, JK92b, Pal04]. **Robert** [Ano96a]. **Robotics** [KIS87]. **RODM** [FC92]. **Role** [Ant75, EHJ77, Gro92, Hob76, NORS80, RCPR07, CGG90, Col95, FSSS01, GOS05, HAB⁺92, RW04, Sea66, SSM⁺04, YC06]. **role-playing** [YC06]. **roles** [CFL05, McN93]. **ROMP** [SH87]. **route** [Baa91]. **Routing** [Ahu79, JMW83, Mar83, Vet95]. **RT** [SH87]. **Rubin** [Rac96]. **rule** [JOZG02]. **Running** [DHB⁺06, SZ88]. **runtime** [CFL05, CNL08]. **runtime-adaptable** [CNL08]. **S** [Rac96, KDY97, NMCB97]. **S*P*A*R*K** [GSBH⁺89]. **S/390** [KDY97, NMCB97]. **SAA** [Ber88, BDS88, Dei92, Dem88, DMRS88, Rei88, Sch88, Wol88]. **Sales** [Unl08, LPR⁺07]. **sales-force** [LPR⁺07]. **Salient** [MB96]. **Sam** [Ano02a]. **Sampling** [Tet79, SHP69]. **San** [Hir81, RCB98, GFS03, MPR⁺03, ABD⁺97, Boh98, CHL⁺00, Inm98, Pol98]. **sands** [DM97]. **SanFrancisco** [JL00, JA00, van00]. **Santa** [McC78]. **Satellite** [FG83, GBK83]. **satisfaction** [BESZ02]. **Saturn** [JD70]. **scalability** [KDY97]. **scalable** [AAB⁺05b, BGER80, DAK00, MPR⁺03, Nai95, VSC⁺03]. **scale** [CC87, CHL⁺00, CLS88, GCG⁺04, PB90, WPSL01, Wim71]. **scattered** [HD88]. **scheduler** [Hel69]. **Scheduling** [CCJ78, Bre71, JL00]. **Schema** [PMK⁺06]. **Scheme** [EMMT78, MLA91]. **school** [DB08]. **schools** [KRS⁺98]. **Science** [CFS81, CF05, DB08, Glu08, IBM01, Lar08, LVW08, MMS⁺04, Ano02a]. **science-intensive** [CF05]. **Sciences** [Kov01, HSK⁺01, Lar08, Swo01]. **Scientific** [GRW86, KM89, MS88, AGMS89, CCT72, CLS88, Str72]. **Scoring** [HH08]. **Screen** [Mau83]. **screening** [WPSL01]. **scrolling** [ZS99]. **SCSI** [Fer92]. **sculpture** [LT89]. **SDL** [BBD⁺92]. **Sea** [AOFH92]. **search** [BC04, Cas06, KPF⁺04, WAV⁺04]. **Second** [Cav95]. **Secrets** [Ano96a]. **section** [Cre68]. **secure** [Bou05, NNH⁺05, SS01, Whi01]. **Securing** [HHSS01, HNN02]. **Security** [ADDS91, Ano91e, Att79, CPW03, GDD⁺01, JD91, Joh95, KNN⁺01, Len78, Mur84, Sum84, TB05, WFS80, BBN96, CJ04, CGHK98, KNNL98, NNH⁺05, PCFY07]. **Seeing** [BEF⁺07]. **segmentation** [EKS92]. **Segmenting** [FG90]. **Seismic** [KKS88]. **selection** [AAB⁺07, DF63, TOV⁺95, Yel03].

Self [BM83, CHPW07, Ver96].
Self-Checking [BM83]. **self-managing** [CHPW07]. **Self-motion-sending** [Ver96].
sell [SMK⁺02]. **sell-side** [SMK⁺02]. **Selling** [Fah02]. **Semantic** [HB05, Hir90, VL05].
sending [Ver96]. **Senior** [Don03, Mil02, Rom08, San07]. **Sense** [KBB⁺07, KS03, KBB⁺05].
Sense-and-respond [KBB⁺07, KBB⁺05].
Sense-making [KS03]. **Sensing** [Par96].
Sensor [PHS⁺00, CCC⁺08, Sha79].
Separation [BE01, Rob01]. **sequence** [IFM⁺01, Rob01]. **sequences** [LC01, WMSW01]. **sequencing** [Cal65b, Gor65]. **Sequential** [Tur63, GW89].
Serial [Hai65]. **series** [Lew66, AJM⁺83].
Series/1 [AJM⁺83]. **Series/1-Based** [AJM⁺83]. **Server** [BFGS98, Cha70, HHM04, ACO⁺91, BDF⁺00, DMB⁺06, DHPB03, DBC⁺00, DAK00, FK01, HS03, KJBH⁺00, LMPS02, MPF97, SS01, STTA08, AJ05, Bay98, DDMS97, DCH⁺03, Har03, KBB⁺97, MST⁺03, Sch03, WBC04]. **servers** [JBB03, TB05]. **Service** [Alt08, DB08, FS05, GK07, Gar83, GFG⁺92, Gla78, JRST07, Lar08, Lew76, LMPR07, MSB⁺07, dMR03, SHLP05, TVX⁺04, AASW98, AM04, AGA⁺08, ABW⁺08, BR08a, BBWL05, BDL⁺07, BCD⁺07, BDE⁺05, CNS⁺08, CNL08, CGH⁺05, CN08, CK05, CFL⁺06, CBC⁺05, CDK⁺05, DHP02, Glu08, HDS03, HFB⁺08, HS08, JHMO07, KKLR05, KOH⁺07, KBC⁺07, LD08, LHJ⁺07, LLS⁺06, LVW08, MBB⁺07, Mil08, NLN⁺07, NG05, RMP08, RCPR07, RAK08, VL05, Wal07, Zha98]. **service-dominant** [LVW08]. **Service-oriented** [FS05, AGA⁺08, ABW⁺08, BBWL05, BDE⁺05, CBC⁺05, CDK⁺05, KKLR05, KOH⁺07, KBC⁺07, NLN⁺07, NG05, SHLP05, VL05, Wal07].
service-oriented-architecture [CK05].
serviceability [HPPS75]. **Services** [AB92, BBE⁺97, HS83, Ken03, LeB08, NG05, DLP⁺05, Spe02, AHS90, AC89, CN08, DDK⁺04, FK02, GGKS02, HNN02, HBM⁺04, IKS⁺95, LR02a, LRS02, MNQ⁺02, NMB04, OCK⁺92, Pal04, PVK08, Rap04, Rub89, SR06, Str72, VPH⁺08, WLB⁺07, WRS04, GR01, IKS⁺95, KKL06, LK05, DLP⁺05, Rom08]. **servicing** [GNP⁺04, KBB⁺97]. **Session** [MOK78, FtCE87, Tem92]. **Session** [Hop87, KL74, Ano74j, Ano74l, MSZ⁺01].
seventh [SD07]. **shareable** [van98]. **Shared** [Fri70, SNC91, CHNS95, GMTW08, LD99, PBS97]. **shared-memory** [GMTW08, PBS97]. **Sharing** [Bar75, MOK78, MS70, Bar71, Cha66, DAB⁺00, Hel69, JMNT97, LD99, RS98, Str97].
shifting [DM97]. **Should** [Dea82]. **sibling** [KM06a]. **Side** [Bra81, SMK⁺02].
Sidestream [LC80]. **Signal** [Ger96b, Yar65].
signatures [HN98]. **significant** [BAI⁺86].
silver [May94, SBE⁺00]. **Simon** [Lor94b].
Simple [Rog83, Cha66]. **simplex** [FT92b].
simplify [Mil99a]. **simplifying** [CHPW07].
SIMSCRIPT [DM64, DM99]. **Simulating** [SS69, MFJ05]. **Simulation** [BKP64, Cla81, Nah74, NORS80, SY71, Smi62, Vel64, Ano73e, BG64, Blu64, BL73, HMS92, KKLR05, Rec72, Sea66, SH68, SM01, Wah72]. **simulations** [Yag63].
Simulator [JD70, Blu64, BKP64, EG64, Gor62, Gou69, HS65, Vel64]. **Single** [Cha70, Ghi85, Fis91]. **Single-Server** [Cha70]. **Single-System** [Ghi85]. **Sites** [AS82, MDC⁺05]. **Six** [Mye76]. **sizes** [Gor71]. **sizing** [DeM68, Men68, Pie68]. **skill** [ORBdSB02]. **Sky** [GBK83]. **Skylab** [Man74]. **SLA** [BCL⁺04]. **Small** [ATC77, Hen86, LC80, BAI⁺86, Dar70, Gor73, MBB⁺07]. **Small-System** [Hen86, Dar70]. **Smalltalk** [Bur96]. **smart** [HHSS01, LLS⁺06]. **smart-call-center** [LLS⁺06]. **SNA** [AB92, Baa91, BFH89, BHWW83, CN79, GY82, GM79, GHH⁺83, GBK83, Har80,

HS83, JMW83, Mar83, Moo88, RM88, Ryd83, SB82b, Sul83, SSS⁺87, SSY⁺87, WI83].
SOA [LeB08, LTL⁺08, SNK⁺08, VCS⁺08, ZZC⁺08]. **social** [DEA99, Lar08, TKE01].
society [Pic96]. **soft** [Caf08]. **Software** [Ano96a, ALP83, Ber84, BDE⁺05, CFS81, Cla81, Cle95, Gol86, Gri93, HS02, Har80, HB85, KBS94, Klo08, KW86, LNH06, Mil02, MV80, Mis83, NS84, Pea82, PJ86, Per02, SG98, Sme78, Spe02, Wei05, WCG⁺80, Woo02, AT06, AHS⁺03, BBS02, BCK⁺94, Bou05, Bri90, BMK02, CCHJ94, CCO02, CK98, DMMR92, DGK96, Dye80, FHK⁺97, GFS03, GM91, Gol99, HR81, HOST05, HLT94, HP95, HBC⁺94, HGB05, Hum85, Kan91, KDA⁺94, KPM01, Lin80, MM90, MOCPS85, May94, Mil80, Mil99b, O'N80, PCFY07, PV97, PCH93, Qui80, Raz93, SB93, SB97, Sel08, STF⁺01, Sim05, SHFG95, SLD89, TVPL94, TMF06, Was93, Wat94a, WKI03, WSKW⁺03, YLG05, Ygl93, Bec95, CH85, LM96, Ran02]. **solid** [BCG⁺89]. **Solution** [Cav95, Lei99, AP90, BESZ02, Con97, KRS⁺98, LLS⁺06, SSB⁺00].
Solutions [LK05, Per02, Unl08, AGA⁺08, BDE⁺05, CBSC08, HCR⁺07, KCLR05, LPR⁺07, LSH⁺08, PY08, PH99, Ric00, SNK⁺08, Whi01, ZZC⁺08, Kov01]. **Solving** [CCJ78]. **SOM** [BBN96]. **SOMA** [AGA⁺08, ZZC⁺08]. **SOMA-ME** [ZZC⁺08].
Some [Bov96, Hel69]. **sort** [Rad66]. **Sorting** [Woo69, Ano70k, Lor71]. **sound** [GB00a]. **Soup** [Neg96]. **source** [AAB⁺05a, AAB⁺05b, BCvE⁺05, Bou05, CFGS05, HBC⁺05, LHT⁺07, NS05, OT94, Sim05, YLG05, MSZ⁺01]. **sources** [DCB⁺01, GSN⁺01, HSK⁺01]. **SP** [CFP⁺95]. **SP1** [GL95]. **SP2** [AAC⁺95, AMM⁺95, AMM⁺99, Boz89, SHFG95, SSA⁺95]. **Space** [Ryd83, SGS89].
Spaces [WMLF98, GH91, Mar99, SDP00]. **specific** [JRST07, LNH06, Sin03]. **Specification** [FtCE87, Bev00, NC03, Tho91].
specifications [BBD⁺92, NG05, Odo90, Sag90]. **specify** [HKOS96]. **Speciner** [Joh95]. **SPECS** [DMMR92]. **Speech** [GB84, BSC⁺01, FG90, THR⁺05].
speech-based [THR⁺05]. **speed** [Mon67]. **SpeedTracer** [WYB98]. **spelling** [LC03]. **sphere** [HD88]. **Spheres** [Dav78]. **spline** [Ahu68]. **spline-like** [Ahu68]. **split** [Fer92].
SQL [BCH⁺06, FMR02, ÖCKM06]. **SQL/XML** [FMR02]. **SRIRAM** [VSC⁺03]. **staging** [GW89]. **stakeholders** [BHT03]. **Standard** [Yeo05, FHP02, McD99, WCV69, YRPSK99, EMMT78]. **standardization** [FFK92]. **Standardized** [Cla85]. **Standards** [CN79, JHMO07, Sim05].
started [BC91]. **State** [Tet79, CCO02, MLDF08]. **static** [LMX07, PCFY07]. **Statistical** [Kos63b, Lew66]. **Statistics** [SH68, Sta69, Tho91]. **Status** [HHP79]. **STCL** [WSP⁺02]. **steel** [BKP64]. **Stenotype** [NO70]. **Stephen** [Ano96a].
stills [MB96]. **Storage** [ARG75, Att79, AJ73, Bir73, BE77, BBDT84, CKB89, CM77, DD64, DCH⁺03, GL74, Gra78, Gro85, Har03, MGST70, MPR⁺03, MST⁺03, Mis81, Mor73, Rog75, Sch73, SA69, Tri91, ABB⁺03, AJ99, AFM03, Bel66, BN89, CCT72, Gel89, Gla93a, GFS03, GH03, Gro89, Gro92, HCGT90, HO07, KJP03, MPS71, McN93, MT03, PPTH72, SSH88, SVM⁺03, SLW66, Sym68, Wit63].
Store [Ant75, BDH75, HPPS75, MHMM75, MS75]. **Storing** [RLPG96]. **story** [DM97, PDI⁺00]. **storyscapes** [DAB⁺00]. **storyteller** [DM97]. **Strategic** [HV93, HV99, Kon93, Nor93, PH01].
Strategies [Dav82, Mil81, New85, BVP93, Hel69, LLO93]. **Strategy** [Klo08, BW93, CFGS05, CA95, IJM93, KS03, MMNR90, SM92, TVPL94]. **Stream** [Mor78, Lev79]. **streams** [BM99, SKN06].

Streenstrup [Vet95]. **Stringers** [SBE+00]. **Structural** [CGP68, Lip68, Pad68, HGW01]. **Structure** [AJ73, Bir73, McG77a, NO70, Sch73, Amd64, AJ99, BM68, BB64, Bla64, Cla66, GB00b, HS87, Hen69, Mea66, Oka68, Pad64, Paz89, PH99, SR96, SF01, Ste64, Sym68, WSG+01, Wit66]. **structure-function** [WSG+01]. **Structured** [BEP80, Rog75, SMC74, SMC99, HM93, MLH87, OT94]. **Structures** [Sch87, Sen77, Ano68h, BBWL05, Odo90, SAAF73a, SAAF73b, SAAF73c, Tag90]. **Studies** [SB82a, BMK02, MS75, TMF06, WAV+04, PSLB97, SBL+94]. **Studio** [LR02a, BDE+04]. **Study** [AMP76, BBC82, FW75, Lam84, RHMP85, TB84, AOFH92, Bel66, Bri90, CNS+08, CHL+00, DAK00, HS08, KM06b, Kra03, PB90, RHMP99, Rob01, SB97, SM79, ZS99, Zie79, Zac82]. **style** [JRD81, Sam88]. **Styles** [Mil81]. **Subject** [Ano69k, Ano81h, Ano84c, Ano94c, Ano70m, Ano71k, Ano72k, Ano73l, Ano74n, Ano67m, Ano68j]. **Subjects** [Ano88e, HKOS96]. **Subroutine** [FT92a, FT92b, MS88, WR92, AGMS89, Rul68]. **Subsystem** [BHS74, Cul76, HH79, Ano76j, Gla93a, McN93, Tho88]. **Subsystems** [KW86, AFM03]. **Succeeding** [Rac96]. **Success** [Was93]. **Suggested** [Ano80h, Ano80i, Ano81i, Ano81j, Ano81k, Ano81l, Ano82i, Ano82j, Ano82k, Ano83b, Ano83c, Ano84d, Ano84e, Ano86b, Ano87d, Ano87e, Ano95b, Ano99d, Ano01c, Sti94]. **suitability** [JF91]. **Suite** [Rof01]. **Summarizing** [WAV+04]. **sun** [TMF06]. **supercomputer** [IBM01]. **superhighway** [SB95]. **Supermarket** [Ant75, HPPS75, MHMM75, MS75]. **SuperNews** [DW00]. **supertypes** [HKOS96]. **supply** [GOS05, KBB+07, Mar63]. **Support** [Boo85, CDF+98, Har80, Qua70, AT06, Ano68i, BCSW91, BS05, BS94, CNL08, Cle89, Got92, HFB+08, HP95, HBC+94, IG04, JRG+01, MSB+07, MST+03, SB00b, Tag90, Vos92, WAV+04, Ahu88, KPF+04, MV80]. **Support/DL/I** [MV80]. **Support/DL/I-Patient** [MV80]. **Supporting** [AR92, AFM03, HOST05, SB82a, BBE+97, GMTW08]. **surfaces** [Alm72, PHS+00]. **Surf'N'Sign** [HN98]. **survey** [CH06, GOS05, Hae03, Mea66, PCFY07, SD03]. **Survival** [Ano96a]. **swapping** [AHS+03, TBB+87]. **switch** [SSA+95]. **switched** [CHNS95]. **Switching** [Kas86, Gay95]. **Symbol** [SL75]. **symbolic** [JOZG02]. **Synchronous** [DK74]. **Synergistic** [DAB+00]. **synthesis** [SNK+08]. **Synthetic** [Buc69, ES00]. **sysplex** [BDM97, JAS08, Joh97, KDY97, NMCB97]. **System** [Aga85, ATC77, All74, All75, AJM+83, ARG75, AC89, AMP76, AJ73, Bar73, Boi74, Bon69, Buc69, Buc85, CW86, Col74, Dew90, DM75, Dru69, Enc81, Fla85, FW75, FS72, Gar81, Gel89, Ghi85, GB84, GM79, Gro85, Han80, HDH88, Haz96, HJM+82, Hei85, Hel81, Hen86, HD77, JMV69, Jon77, KSWC93, Kas86, KRR80, Kra78, Lam84, LCS82, LP74, Man74, Mat86, McG77a, McG77b, McG77c, McG77d, McG77e, McP74, MS70, MV80, Par82, PMM83, RGH+76, RS73, Sch80b, ST89, ST99, Siw77, SA69, Sta69, Ste64, SUW82, TAR85, VR86, YC06, Yel85, Yuv80, AM90, AMM+95, AMM+99, Alt08, Ano63b, Ano75j, AAB+05b, AJ99, Bak65, BGP62, BM72, Bar71, BCE+94, BCvE+05, BBET71, BCFH65, BCE67, Boi99, BT84, BS67, Bre71, BD66, CNS+08, CD68, Che69]. **system** [CC87, Cla89, COC63, CG77, CEH+94, Dar70, DGK96, Dev67, DM88, Dor63, ESH89, EDG+96, EGLT79, EW66, Fis91, Gay66, Gin65, GFS03, GSBH+89, GKT63, Gri63, HSK+01, HR81, HRL87, Hed63, Hei90, Hob72, HS00, IFM+01, Irl92, JOZG02, Kee67, Kie79, KPF+04, LR67, Lar63, LI01, LS91, Lev79, LRHH04, LS87, LMPS02, LDL+08,

LHT⁺07, MW66, MQR05, MOCP85, MPR⁺03, MO90, Mue67, NMB04, NN01, ÖLL07, RC69, SRM⁺98, SLW66, Sea66, Sew67, SY71, SKA86, Smi63, SH68, SJL⁺04, Sud67, Tal63, THL⁺03, Tod76, UMN⁺04, Vel64, WND07, WKI03, WT64, Wim71, Wit63, Zie79, d'A89, Amd64, BB64, Bla64, CGP68, FIS64, Fre66, LGM69, Lip68, Pad64, Pad68, Ste64, Tuc67, ADDS91, ABDD⁺91, Ano91e, BDH75, BAC⁺81, BAC⁺99, Boo85, Bot82, Buc86, Cha89, CC89, Col74]. **System** [CRTW88, DO84, DPR90, Fla85, Gor80, Got86, GS04, HS87, HL76, HBM⁺04, JD91, Jos81, KR88, KLS84, MHMM75, MS75, Mis81, Miz88, Pin89, PPDW01, SFJ⁺94, ST89, ST99, SNC91, SKG⁺87, Tuc86, Wat79]. **System-independent** [AC89]. **System-managed** [Gel89]. **System-performance** [YC06]. **System/2** [CRTW88, KR88, Miz88]. **System/36** [SKG⁺87]. **SYSTEM/360** [Amd64, BB64, Bla64, FIS64, Fre66, LGM69, Pad64, Ste64, Tuc67, CGP68, Lip68, Pad68]. **System/370** [Buc86, Fla85, HL76, KLS84]. **System/38** [Bot82]. **System/400** [Cha89, CC89, Pin89, ST89, ST99]. **System/6000** [ABDD⁺91]. **System/7** [Col74]. **System/88** [HS87]. **systematic** [Min92]. **Systems** [Asc86, AA76, Bar75, BBMA91, BH80, BG64, Bro85, Buc85, Cha70, CKB89, DFHS90, DFS94, DK79b, Duk75, GJ87, Gro92, HBR86, LC80, Lor86, Mat86, Moo83, Mor73, PS83, Pec85, Pla89, Rei76, Rog75, Ryd74, SB82a, SGS89, Sch87, SS69, Sea80, Sen77, Sme78, Som84, Sym86, Zac82, Ake89, Ano68i, Ano85b, AHS⁺03, Aro67, AJ99, BFSLT08, BBCM06, BFH⁺94, BBE⁺97, BGT96, BMP08, BBWL05, BSP⁺02, BHR89, BARM97, BEIW97, BK63, BFH⁺05, BAI⁺86, CCT72, CNS⁺08, CNL08, CCO02, CDK08, CA95, CFP⁺95, DMB⁺06, DM97, DEA99, DHK⁺08, EAB⁺04, Elo95, Fal91, GS99, Gor62, Gor73, GH03, GMTW08, HKOS96, Hav68, HZ92, Hem90, HM93, HKS08, Hum85, Inm98, Ive63, Ive99, Joh68, Joh97, Kee68, Kes03, KLS90, Lan73, LPPC03, LS00, McD96, MLH87, MPTW94, MBC08]. **systems** [MT03, Nai95, PHS⁺00, PS99, PCFY07, PB90, Rei79, RC91, RMC03, Rym90, SL95, SSR87, SB00a, SAAF73a, SAAF73b, SAAF73c, SR93, Smi62, STTA08, SCK02, SZ92, Sow02, Ste93, Ste79, SSM⁺04, Sum89, Tri91, THR⁺05, VAH⁺02, Wel65, Zac87, Zac99, ZABM92, Lor94a, Ahu79, Ahu88, AR76, Ano76j, Ant75, AJ73, Bir73, Cul76, EHJ77, HPPS75, Hob76, McF76, MLDF08, Sch73, WG88]. **T** [WMLF98]. **table** [Ger62, MBG00]. **table-top** [MBG00]. **Tables** [Mar83, Mon62, FCM⁺98, Spi66, Ano67n]. **Tags** [CBG⁺82, BMMR96]. **taking** [COC63, LD99]. **Taligent** [DGK96]. **Talk** [Dea82, GB00a]. **Tang** [Ano96a]. **tangible** [UI00]. **Tank** [MPR⁺03]. **Tapping** [CBG⁺07]. **targeting** [LPR⁺07]. **Task** [Ryd70, Wit66]. **tasks** [GW89]. **TCP** [BTB95]. **TCP/IP** [BTB95]. **Team** [Bak72]. **Technical** [ACMS06, AGMS89, ACO⁺91, ABD⁺97, Bau93, Ben94, Bev00, Bla98, Col95, Con97, DCH⁺03, Fah02, FKS⁺03, Got98, HKOS96, KPF⁺04, LT89, LG99, LM93, dMR03, Mil99a, Pol98, Ric00, vdS00, TG93, Unl08, VW06, Wat94a, Ygl93, Zha98, CM88, HRL99, KBB⁺05, PW88, WAV⁺04]. **Technique** [ER70, Pea82, Ryd83, CCO02, DeM68, Gay66, Men68, Sha65b]. **Techniques** [AW72, BGML96, HD77, MGST70, Ais73, BFSLT08, BESZ02, Bou98, Cal65a, Dzi73, Hei63, KBB⁺07, KHSW05, Kos63b, Nor93, Pom72, Rad66, RM67, WMSW01]. **Technological** [GH03]. **technologies** [BDG⁺94, CH07, HBC⁺94, KMSM⁺07, LH97, PHG⁺04, PG05, Smi01]. **Technology** [Ano96a, AJ73, Don03, JAS08, Klo08, MS85, Sel87, Wei05, Ano90f, ADD68, AJ99,

BBGB92, BVP93, BC04, CCHJ94, CMCD94, CGRW07, DL89, EOO⁺06, Fle96, Fra79, FKS⁺02, FKS⁺03, GSBH⁺89, GHM⁺05, Hel90, Hen98, HV93, HV99, Hes05, IJM93, KOH⁺07, Kee93, LLO93, NMCB97, Rad96, Ric00, RWKN02, RHC⁺06, Sag90, WB99, WLE⁺97, San07]. **technology-oriented** [KOH⁺07]. **telecom** [CNL08]. **Telecommunications** [AR76, DMMR92, Fra79, RAK08]. **teleoncology** [WLB⁺07]. **telepathology** [WLB⁺07]. **Telephone** [Kas86, Fah02, Vel64]. **Teleprocessing** [For78, BD66, EW66, Gay66, MW66, SLW66, Sea66, WCV69]. **teleradiology** [WLB⁺07]. **Teletex** [Moo83]. **television** [BDCA00]. **Temporal** [KB00]. **Teresa** [McC78]. **Terminal** [Man74, MOK78]. **Test** [BM83, Han70, PJ86, Tod76, ABDD⁺91, BBS02, BESZ02, EFN⁺02, EPTD05, FHP02, Pin89, SWS06, WSP⁺02, BR02, Woo02]. **Testing** [Duk75, LMPS02, Mau83, Ran02, BPZ90, BMK02, Gin65, HS02, KPM01, LTL⁺08, TVPL94, DCH⁺03]. **Text** [Cas06, DGK96, HJM⁺82, MMS⁺04, NN01, She80, GY67, GCG⁺04, JOZG02, Sma96, UMN⁺04, AYBDS06]. **Text-Critiquing** [HJM⁺82]. **text-mining** [UMN⁺04]. **textile** [PORG00]. **textile-based** [PORG00]. **theater** [SDP00]. **Their** [HHP79, BFSLT08, PBv97]. **themes** [SKN06]. **theoretical** [MKGR07]. **Theory** [All75, Ano75j]. **thermodynamics** [Ger96b]. **Things** [BMMR96, GB00a, Res96]. **think** [RMSS96, Res96]. **thinking** [ABK⁺06]. **ThinkPad** [SCO03]. **thirty** [Bla98]. **Three** [Ano65d, Ano65e, BFSLT08, BMK02, JMV69, App68, Com68, Dav93, Dav99, Kah84, Ric00, CCHJ94]. **three-dimensional** [Com68, Ric00]. **Three-Value** [JMV69]. **thresholding** [HH08]. **throughput** [IFM⁺01]. **Tight** [Che84]. **Tightly** [ACM74, Mac74]. **Tightly-Coupled** [ACM74, Mac74]. **Time** [Bar75, KB00, Lam84, MOK78, MS70, NO70, RGH⁺76, SOT⁺00, dL78, ABLM95, Aro67, ABW⁺08, BM72, Bar71, BGERs08, BG71, Bur96, Cha66, Gin65, GMTW08, HR81, HST08, Hau68, Hel69, MOB⁺08, Mue67, PY08, RM00, SCO03, SL95, Sel08, Sha65b, SH68, Wit63, HST08]. **time-critical** [ABW⁺08]. **Time-Sharing** [Bar75, MOK78, MS70, Bar71, Hel69]. **Timothy** [Cra95]. **to-dos** [SDE⁺06]. **today** [Bur80]. **Together** [KLRP86, Fli97, SCK02]. **Token** [DSM83]. **Token-Ring** [DSM83]. **tolerant** [HS87]. **Tool** [Cla81, DP86, Lai75, LC80, CCC⁺08, KJBH⁺00, LNH06, MSZ⁺01, McI91, Sel06, Tag90, WYB98]. **toolbox** [RMS06]. **toolkit** [BSP⁺02]. **Tools** [ALP83, Ben86, Cal75, Bou98, Bro91, Dzi73, EPTD05, GCS97, JRST07, KAN⁺07, Pom72, SWS06, Ver96, WSP⁺02, dRW04, van00, PPDW01]. **Top** [Van76, LC01, MBG00]. **Top-Down** [Van76, LC01]. **topics** [PVK08]. **topologies** [CDK08]. **topology** [CT96]. **TOS** [BFS67, Cen67]. **TOS/360** [BFS67, Cen67]. **total** [KBS94]. **TotalStorage** [DCH⁺03, Har03, MST⁺03, RMH08]. **tournaments** [SF01]. **toys** [Ver96, RMSS96]. **tpaML** [DDK⁺01]. **TPC** [HSY01]. **Trace** [Che69]. **Trace-driven** [Che69]. **traceability** [ARNRSG06]. **tracking** [LHT⁺07]. **trading** [KHC02]. **traditional** [LH97]. **traffic** [ACG⁺95, Baa91, BG71, Blu64, DDMS95, GFG⁺92, HS03, Yar65]. **traffic-signal** [Yar65]. **Trail** [Bjo75]. **train** [ApS64]. **training** [ORBdSB02]. **traits** [PBv97]. **Trajectory** [Qua70]. **Transaction** [Bro85, DPR90, McG77e, Wat79, CGV⁺02, ADDS91, Ano91e, JD91]. **transactional** [JR04]. **Transcoding** [BCC⁺01, IMMB01]. **Transcription** [NO70, BBFK05, Wot93]. **transduction** [Fle96]. **Transfer** [Cav95]. **Transformation** [San07, AAB⁺07, CH07, CH06, Dav93,

Dav99, EBKT07, Hes05, VGW⁺07, Wal07].
transformational [KBC⁺07].

Transforming

[LLO93, CdVF⁺06, HV93, HV99].

Transition [Lor86]. **transitional** [LH97].

Translation [AJ73, AJ99]. **Translator** [ALP83]. **Transmission** [Cul76, Ano76j].

Transparent [GSN⁺01]. **Transport** [PTE⁺95, LGCB95, PBCK95].

transportation [Mar63]. **treatment**

[EKS92]. **tree** [JOZG02]. **trees** [KM06a].

tremor [LS05]. **Trends** [Smi01, SKN06].

triage [HB05]. **trim** [Gom62]. **Trust**

[HKLS03]. **trusted** [HFB⁺08]. **TSO**

[HZ84, Hoe89]. **TSO/E** [Hoe89]. **Tuning**

[ARG75, Ber78, CLSW84, Sch80a, Yuv80].

Turing [BR02]. **Turnaround** [Hau68].

Turning

[All99, GS99, Gol99, Mar99, WB99].

tutorial [dP88]. **Twentieth** [Ohm86].

Twenty [Ano02a]. **Twenty-First** [Ano02a].

Two [Ano65e, ABB⁺03, BS67, HG86,

Ber92a, vdS00]. **typographic** [GC88].

ubiquitous [WGB99, LD99]. **ugly** [HT06].

UIMA [GS04]. **ULSI** [dLMSC89].

ULSI/VLSI [dLMSC89]. **UML** [Sel06].

Uncontrolled [FW75]. **Uncovering**

[SDE⁺06]. **Understanding** [Miz88, Bro91,

BDG⁺94, CdVF⁺06, Cle89, Cor89]. **Unified**

[WRS04]. **unifies** [Zlo82]. **unifying**

[ABLU00]. **unique** [HLLW72]. **unit**

[Amd64, SH87]. **Universal**

[ES05, ELM⁺99, AM04, SL75]. **universe**

[Ger00]. **UNIX** [Lev79]. **Unstructured**

[FL04, MMS⁺04]. **unwanted** [Fah02].

update [GMTW08]. **upon** [BCL⁺04].

urban [Blu64]. **USAA** [PB90]. **Usability**

[BDK⁺81, GM03, Got86, Hel81, NS84, PJ86,

THL⁺03, DP95, KTBE05, Kra03, WBSK87].

Usable [Cla81, Ber88]. **usage**

[DZ68, WYB98]. **Use**

[BBC82, Pow83, Som84, BT84, GCS97,

HBZ06, JL00, JMNT97, Rob01, RMS06,

Spi66, Vre03, YLG05, Ano85b]. **usefulness**

[SM79]. **User** [AHS90, Ben86, Ber88, BR92,

Boi74, Boi99, Bot82, DK79b, HR81, HD77,

Jon77, Mor73, Tha81, Bot89, DMRS88,

KK03, KBK⁺03, Lew76, Orw96, Pic00,

Pin89, PVK08, PLGB90, RMDN03, Uhl88,

UI00, Vre03, WRS04, WAV⁺04, BHT03].

user-centered [KK03]. **user-centric**

[PVK08]. **User-definable** [HR81].

User-Oriented [Jon77]. **Users**

[Tet79, BHT03, BFH⁺05, MFJ05, PWF05].

Uses [CCT72, GSBH⁺89]. **Using**

[AT06, Ano94d, BESZ02, Bon69, CdVF⁺06,

CCJ78, DHP02, EOO⁺06, EAB⁺04, FHP02,

GB00a, Ghi85, KBC⁺07, LC80, LR02b,

Odo90, Pol98, SR96, TJ00, Van76, VMKB05,

AJ05, Baa91, BBC⁺07, GKT63, HHSS01,

IBM01, JG07, KBB⁺07, KMSM⁺07, Kol69,

MMS⁺04, Moo90, Rec72, RLPG96, Sel08,

Sha79, Tem92, VPH⁺08, WCV69, YFS94].

utilities [ACO⁺91]. **Utility**

[BCL⁺04, AM04, EAB⁺04, GNP⁺04, Pal04,

Rap04, RW04]. **utilization**

[KPF⁺04, SSH88]. **Utilizing** [Moo88].

V [Bla64, Cal65b, Dor63, Gay66, McG77e,

Qui80, Sud67]. **validation** [Pin89]. **Value**

[JMV69, Alt08, BR08a, BHT03, CNS⁺08,

EN07, Gla93b, GKB⁺03, Sim05]. **values**

[Gor65]. **Varieties** [EBKT07]. **Vector**

[Buc86, CW86, MS88, Sam88, AGMS89,

HMS92, KKS88, SZ88]. **vectorized** [SZ88].

vectors [LM93, Mat91, MLA91]. **Vehicle**

[Tod76]. **vendor** [BBS02].

vendor-developed [BBS02]. **verbal**

[HLLW72]. **Verification**

[ABDD⁺91, JMV69, CCO02, GY67, HS02].

Version [Got92]. **versus** [Bou05]. **vertical**

[HBZ06]. **very** [GCG⁺04]. **VF** [ALPC88].

VGA [Tho88]. **VI**

[Gor65, Sea66, Sew67, WT64]. **via** [BMK02].

Vice [Don03, Mil02, Rom08, San07, Ken03,

Klo08, Kov01, LK05, Spe02, Unl08, Wei05].

Victor [Ano96a]. **video**

[Lip96, Pic96, Tho88]. **Videoconferencing** [AJM⁺83]. **view** [AM90, DEA99, Haa00b, Har03, Ive91, RMS06]. **Viewer** [Paz89]. **Views** [Due01, DW00]. **VII** [Sha65a].

Virtual
 [AAB⁺05a, ARG75, Att79, AJ73, Bar75, Bir73, HH79, Jen79, Mac79, McG72, MS70, Mor73, PPTH72, Rog75, Ryd74, Sch73, TB05, VL00, AAB⁺00, AJ99, Bel66, CCT72, CJ04, CS76, DBC⁺00, GBCW00, HG71, PBS97, SSH88, SGS89, WPSL01, AR76, RMS06]. **virtual-storage** [Bel66]. **virtualization** [LDL⁺08]. **virtualized** [SBC⁺08]. **vision** [BFH⁺05, IBM01, MFJ05]. **Visual** [Far87, Moo90, Shu89, Shu99, Wat94b, WSG⁺01]. **VisualAge** [CLR98, Pol98]. **visualization** [BCG⁺89, CEH⁺94, Rei89, VW06, WSKW⁺03, Wat94b]. **visualizations** [BEF⁺07]. **Visualizing** [DLP⁺05]. **Vlissides** [Bec95]. **VLSI** [dLMSC89]. **VM** [AMP76, Att79, BCSW91, BN89, Boz89, Cal75, CW81, DK79b, Fis91, GH91, HPSS79, MSS91, MLA83, OJG91, Rei79, SM79, SNC91, Tet79, TB84, TBB⁺87, TB05]. **VM/370** [AMP76, Att79, Cal75, CW81, HPSS79, SM79, Tet79, TB84]. **VM/CMS** [DK79b, Rei79]. **VM/ESA** [BCSW91, Fis91, MSS91, OJG91, SNC91]. **VM/HPO** [TBB⁺87]. **VM/Pass** [MLA83]. **VM/Pass-Through** [MLA83]. **VM/XA** [BN89, Boz89]. **Voice** [CH07, Kas86, LC03]. **Voice-enabled** [CH07]. **voice-spelling** [LC03]. **Voice/Data** [Kas86]. **Volume** [Ano65d, Ano65e, Ano66i, Ano67j, Ano67l, Ano84b, Ano86a, Ano87c, Ano88d, Ano89d, Ano90e, Ano91d, Ano92d, Ano93f, Ano95a, Ano96b, Ano98b, Ano99c, Ano02b, Ano03b, Ano97c, Ano99b]. **Volumes** [Ano64d]. **VS** [AS82, Bir73, EHJ77, McG77a, McG77b, McG77c, McG77d, McG77e, Sea80, SUW82]. **VS-Based** [Kra78]. **VS1** [BHS74, Whe74]. **VS2** [Ber78, LP74, McP74]. **VS2-2** [Sch73]. **VSAM** [Ano74j, Ano74l, KL74, Str97]. **vulnerabilities** [PCFY07].

waiting [Sha65b]. **want** [Orw96]. **Warehouse** [SS94]. **warfare** [Bou98]. **was** [Orw96]. **WATINFO** [ACO⁺91]. **way** [Fah02, HKOS96]. **wearable** [BHW99, Sta96]. **Web** [HB05, NG05, CFL⁺06, DDK⁺04, DHPB03, FK02, GNP⁺04, GGKS02, HBC⁺05, HN98, HGB05, HNN02, HBM⁺04, JR04, KKL06, KTBE05, LR02a, LRS02, MNQ⁺02, dMR03, MDC⁺05, DLP⁺05, PCC⁺98, PHG⁺04, PG05, TLRH98, WYB98, Zha98]. **Web-client** [PHG⁺04]. **WebEntree** [Zha98]. **WebFountain** [GCG⁺04]. **WebSphere** [AJ05, Rof01, BCF⁺04, Bay98, BS04, BDE⁺04, DPR⁺02, FK01, FNS04, HHM04, KKL⁺04, LR02a, SRW04, WRS04, WBC04]. **Westminster** [Gra78]. **Where** [Pru01]. **whom** [Mac00]. **whys** [Bov96]. **Wide** [PCC⁺98]. **Williams** [Ano02a]. **Windows** [GBK83]. **WINSOM** [BCG⁺89]. **Wireless** [BL95, Zim99, HS00]. **wires** [GM03]. **Within** [Har80, SS94]. **Witten** [Cra95]. **word** [Zlo82]. **Work** [Alt08, CGG90, CN08, GH79, KM06b]. **Workbench** [ABK⁺06]. **Workers** [Str75]. **Workflow** [LR97, BE01]. **Workflow-based** [LR97]. **workflows** [HYJK06]. **Working** [KLRP86]. **workload** [AEE⁺97, WA02b]. **Workloads** [FW75, HSY01, HS03]. **Workplace** [Ber92b, BR92, MRB01]. **works** [Haa00b]. **Workstation** [AGLR90, BBC82]. **Workstations** [Che84, GHMWB84, KLRP86]. **world** [GM03, KS03, PY08, RR96, RMS06, RHC⁺06, Joh95, PCC⁺98]. **Worldwide** [Moo83, Pec85]. **WORM** [HO07]. **Writing** [CRTW88]. **WSLA** [DDK⁺04]. **WSLA-driven** [DDK⁺04].

X [Ano02a]. **X.25** [DH83]. **X.400** [SSR87]. **XA** [BN89, Boz89]. **XC** [GH91]. **XML** [ACMS06, BEH⁺06, BCH⁺06, Cas06, Cha02, FKS⁺02, FMR02, FKS⁺03, HBZ06, KM06a,

LR02a, PMK⁺06, RMS06, RHC⁺06, SRCV06]. **XML-centric** [RHC⁺06]. **XPath** [Cas06]. **XQuery** [AYBDS06, BCH⁺06, Cas06, Cha02, FMR02, ÖCKM06]. **XTABLES** [FKS⁺02, FKS⁺03].

year

[Ano70l, Ano70m, Ano71j, Ano71k, Ano72j, Ano72k, Ano73k, Ano73l, Ano74m, Ano74n].

years [Bla98, vdS00]. **YES** [MCE⁺86].

YES/MVS [MCE⁺86]. **York** [Ano02a].

z [GDD⁺01, LMPS02, MST⁺03, RMH08, TB05]. **z/OS** [GDD⁺01, LMPS02, MST⁺03, RMH08]. **z/VM** [TB05]. **zSeries** [BS05, LMPS02].

References

Ashany:1976:DBS

[AA76] R. Ashany and Michael Adamowicz. Data base systems. *IBM Systems Journal*, 15(3):253–263, 1976. CODEN IBMSA7. ISSN 0018-8670.

Alpern:2000:JAV

[AAB⁺00] B. Alpern, C. R. Attanasio, J. J. Barton, M. G. Burke, P. Cheng, J.-D. Choi, A. Cocchi, S. J. Fink, D. Grove, M. Hind, S. F. Hummel, D. Lieber, V. Litvinov, M. F. Mergen, T. Ngo, J. R. Russell, V. Sarkar, M. J. Serrano, J. C. Shepherd, S. E. Smith, V. C. Sreedhar, H. Srinivasan, and J. Whaley. The Jalapeño virtual machine. *IBM Systems Journal*, 39(1):211–238, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/391/alpern.html>.

[research.ibm.com/journal/sj/391/alpern.html](http://www.research.ibm.com/journal/sj/391/alpern.html).

Alpern:2005:JRV

[AAB⁺05a]

B. Alpern, S. Augart, S. M. Blackburn, M. Butrico, A. Cocchi, P. Cheng, J. Dolby, S. Fink, D. Grove, M. Hind, K. S. McKinley, M. Mergen, J. E. B. Moss, T. Ngo, V. Sarkar, and M. Trapp. The Jikes Research Virtual Machine project: Building an open-source research community. *IBM Systems Journal*, 44(2):399–417, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/442/alpern.html>; <http://www.research.ibm.com/journal/sj/442/alpern.pdf>; <http://www.research.ibm.com/journal/sj/442/alpern.txt>.

Appavoo:2005:EKO

[AAB⁺05b]

J. Appavoo, M. Auslander, M. Butrico, D. da Silva, O. Krieger, M. Mergen, M. Ostrowski, B. Rosenberg, R. W. Wisniewski, and J. Xenidis. Experiences with K42, an open-source, Linux-compatible, scalable operating-system kernel. *IBM Systems Journal*, 44(2):427–440, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/442/appavoo.html>; <http://www.research.ibm.com/journal/sj/442/appavoo.pdf>; <http://www.research.ibm.com/journal/sj/442/appavoo.txt>.

- [//www.research.ibm.com/journal/sj/442/appavoo.txt](http://www.research.ibm.com/journal/sj/442/appavoo.txt). [AB92]
- Abe:2007:OSB**
- [AAB⁺07] N. Abe, R. Akkiraju, S. Buckley, M. Ettl, P. Huang, D. Subramanian, and F. Tipu. On optimizing the selection of business transformation projects. *IBM Systems Journal*, 46(4):??, October/December 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/464/abe.html>.
- Agarwal:1995:HPI**
- [AAC⁺95] R. C. Agarwal, B. Alpern, L. Carter, F. G. Gustavson, D. J. Klepacki, R. Lawrence, and M. Zubair. High-performance parallel implementations of the NAS kernel benchmarks on the IBM SP2. *IBM Systems Journal*, 34(2):263–272, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-2.html#eight>.
- AbadPeiro:1998:DGP**
- [AASW98] J. L. Abad Peiro, N. Asokan, M. Steiner, and M. Waidner. Designing a generic payment service. *IBM Systems Journal*, 37(1):72–88, 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/371/abadpeiro.html>.
- Allen:1992:SMS**
- M. O. Allen and S. L. Benedict. SNA management services architecture for APPN networks. *IBM Systems Journal*, 31(2):336–352, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5477.
- Ashton:2003:TDP**
- [ABB⁺03] L. L. Ashton, E. A. Baker, A. J. Bariska, E. M. Dawson, R. L. Ferziger, S. M. Kissinger, T. A. Menendez, S. Shyam, J. P. Strickland, D. K. Thompson, G. R. Wilcock, and M. W. Wood. Two decades of policy-based storage management for the IBM mainframe computer. *IBM Systems Journal*, 42(2):302–321, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/422/ashton.pdf>.
- Attaluri:1995:CMP**
- [ABC⁺95] G. K. Attaluri, D. P. Bradshaw, N. Coburn, P. A. Larson, P. Martin, A. Silberschatz, J. Slonim, and Q. Zhu. The CORDS multidatabase project. *IBM Systems Journal*, 34(1):39–62, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-1.html#four>.
- Arnold:1997:TFI**
- [ABD⁺97] V. D. Arnold, R. J. Bosch, E. F. Dumstorff, P. J. Helfrich, T. C. Hung, V. M.

- Johnson, R. F. Persik, and P. D. Whidden. Technical forum: IBM business frameworks: San Francisco project technical overview. *IBM Systems Journal*, 36(3):437–445, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/363/forum.html>.
- [ABDD⁺91] A. Aharon, A. Bar-David, B. Dorfman, E. Gofman, M. Leibowitz, and V. Schwartzburd. Verification of the IBM RISC System/6000 by a dynamic biased pseudo-random test program generator. *IBM Systems Journal*, 30(4):527–538, 1991. CODEN IBMSA7. ISSN 0018-8670.
- [ABK⁺06] S. Abrams, B. Bloom, P. Keyser, D. Kimelman, E. Nelson, W. Neuberger, T. Roth, I. Simmonds, S. Tang, and J. Vlisides. Architectural thinking and modeling with the Architects' Workbench. *IBM Systems Journal*, 45(3):481–500, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/453/abrams.html>.
- [ABLM95] B. K. Aldred, G. W. Bon-sall, H. S. Lambert, and H. D. Mitchell. An architec-
Aharon:1991:VIR
- Abrams:2006:ATM [Abo99] S. Abrams, B. Bloom, P. Keyser, D. Kimelman, E. Nelson, W. Neuberger, T. Roth, I. Simmonds, S. Tang, and J. Vlisides. Architectural thinking and modeling with the Architects' Workbench. *IBM Systems Journal*, 45(3):481–500, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/453/abrams.html>.
- Aldred:1995:AMC
- [ABLU00] W. P. Alexander, R. F. Berry, F. E. Levine, and R. J. Urquhart. A unifying approach to performance analysis in the Java environment. *IBM Systems Journal*, 39(1):118–134, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/391/alexander.html>.
- Alexander:2000:UAP
- [Abo99] G. D. Abowd. Classroom 2000: An experiment with the instrumentation of a living educational environment. *IBM Systems Journal*, 38(4):508–530, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/384/abowd.html>.
- Abowd:1999:CEI
- [ABW⁺08] M. Astley, S. Bhola, M. J. Ward, K. Shagin, H. Paz, and G. Gershinsky. Pulsar: a resource-control architecture for time-critical service-oriented applications. *IBM Systems Journal*, 47(2):265–??, April/June 2008. CO-
- Astley:2008:PRC

- DEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/472/astley.html>.
- [AC68] D. V. Ahuja and S. A. Coons. Interactive graphics in data processing: Geometry for construction and display. *IBM Systems Journal*, 7(3/4):188–205, 1968. CODEN IBMSA7. ISSN 0018-8670.
- [AC89] J. C. Ashfield and D. B. Cybrynski. System-independent file management and distribution services. *IBM Systems Journal*, 28(2):241–259, 1989. CODEN IBMSA7. ISSN 0018-8670.
- [ACG88] M. Ahmadi, J. H. Chou, and G. Gafka. NetView/PC. *IBM Systems Journal*, 27(1):32–44, January 1988. CODEN IBMSA7. ISSN 0018-8670.
- [ACG⁺95] H. Ahmadi, P. F. Chimento, R. A. Guerin, L. Gun, B. Lin, R. O. Onvural, and T. E. Tedijanto. NBBS traffic management overview. *IBM Systems Journal*, 34(4):604–628, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-4.html#five>.
- [ACGL04] K. C. Appleby, S. B. Calo, J. R. Giles, and K.-W. Lee. Policy-based automated provisioning. *IBM Systems Journal*, 43(1):121–135, ??? 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/431/appleby.pdf>.
- [ACM74] J. S. Arnold, D. P. Casey, and R. H. McKinstry. Design of tightly-coupled multiprocessing programming. *IBM Systems Journal*, 13(1):60–87, 1974. CODEN IBMSA7. ISSN 0018-8670.
- [ACMS06] S. Adler, R. Cochrane, J. F. Morar, and A. Spector. Technical context and cultural consequences of XML. *IBM Systems Journal*, 45(2):207–223, ??? 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/452/adler.html>.
- [ACO⁺91] A. Appel, G. A. Cuomo, E. A. Overly, J. A. Walicki, and R. E. Yozzo. Technical note: The WATINFO face server and associated utilities. *IBM Systems Journal*, 30(3):393–407, 1991. CODEN IBMSA7. ISSN 0018-8670.

Appleby:2004:PBA**Ahuja:1968:IGDa****Arnold:1974:DTM****Ashfield:1989:SFM****Adler:2006:TCC****Ahmadi:1988:N****Appel:1991:TNW**

- [ACP84] **Ambrosetti:1984:AA**
R. Ambrosetti, T. A. Ciriani, and R. Pennacchi. An application analyzer. *IBM Systems Journal*, 23(4):336–350, 1984. CODEN IBMSA7. ISSN 0018-8670.
- [ADD68] **Appel:1968:IGDa**
A. Appel, T. P. Dankowski, and R. L. Dougherty. Interactive graphics in data processing: Aspects of display technology. *IBM Systems Journal*, 7(3/4):176–187, 1968. CODEN IBMSA7. ISSN 0018-8670.
- [AG90] **Abraham:1990:PDI**
R. Abraham and B. F. Goodrich. Porting DPPX from the IBM 8100 to the IBM ES/9370: Feasibility and overview. *IBM Systems Journal*, 29(1):90–105, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [AG85] **Abraham:1991:TSS**
D. G. Abraham, G. M. Dolan, G. P. Double, and J. V. Stevens. Transaction Security System. *IBM Systems Journal*, 30(2):206–229, 1991. CODEN IBMSA7. ISSN 0018-8670. See erratum [Ano91e].
- [Aga85] **Agassi:1985:PCD**
S. Agassi. Performance considerations for a distributed data processing system designed for high availability. *IBM Systems Journal*, 24(3-4):200–212, 1985. CODEN IBMSA7. ISSN 0018-8670.
- [AEE+97] **Aman:1997:AAM**
J. Aman, C. K. Eilert, D. Emmes, P. Yocom, and D. Dillenberger. Adaptive algorithms for managing a distributed data processing workload. *IBM Systems Journal*, 36(2):242–283, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/362/aman.html>.
- [AGA+08] **Arsanjani:2008:SMD**
Ali Arsanjani, Shuvanker Ghosh, Abdul Allam, Tina Abdollah, Sella Ganapathy, and Kerrie Holley. SOMA: a method for developing service-oriented solutions. *IBM Systems Journal*, 47(3):377–396, 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/473/arsanjani.pdf>.
- [AFM03] **Azagury:2003:AFS**
A. C. Azagury, M. E. Factor, and W. F. Micka. Advanced functions for storage subsystems: Supporting continuous availability. *IBM Systems Journal*, 42(2):268–279, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/422/azagury.pdf>.
- [AGLR90] **Anderson:1990:IWP**
G. B. Anderson, B. P. Gross, S. M. Lewis, and J. A. Reimer.

- ImagePlus Workstation Program. *IBM Systems Journal*, 29(3):398–407, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [AGMS89] R. C. Agarwal, F. G. Gustavson, J. McComb, and S. Schmidt. Technical note: Engineering and scientific subroutine library release 3 for IBM ES/3090 vector multiprocessors. *IBM Systems Journal*, 28(2):345–350, 1989. CODEN IBMSA7. ISSN 0018-8670.
- [AHS90] J. M. Artim, J. M. Hary, and F. J. Spickhoff. User interface services in AD/Cycle. *IBM Systems Journal*, 29(2):236–249, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [AHS⁺03] J. Appavoo, K. Hui, C. A. N. Soules, R. W. Wisniewski, D. M. Da Silva, O. Krieger, M. A. Auslander, D. J. Edelson, B. Gamsa, G. R. Ganger, P. McKenney, M. Ostrowski, B. Rosenberg, M. Stumm, and J. Xenidis. Enabling autonomic behavior in systems software with hot swapping. *IBM Systems Journal*, 42(1):60–76, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/421/appavoo.pdf>.
- [Ahu68] D. V. Ahuja. Interactive graphics in data processing: An algorithm for generating spline-like curves. *IBM Systems Journal*, 7(3/4):206–217, 1968. CODEN IBMSA7. ISSN 0018-8670.
- [Ahu79] Vijay Ahuja. Routing and flow control in Systems Network Architecture. *IBM Systems Journal*, 18(2):298–314, 1979. CODEN IBMSA7. ISSN 0018-8670.
- [Ahu88] V. Ahuja. Common Communications Support in Systems Application Architecture. *IBM Systems Journal*, 27(3):264–280, 1988. CODEN IBMSA7. ISSN 0018-8670.
- [Aik98] P. H. Aiken. Reverse engineering of data. *IBM Systems Journal*, 37(2):246–269, 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/372/aiken.html>.
- [Ais73] M. Aiso. Forecasting techniques. *IBM Systems Journal*, 12(2):187–209, 1973. CODEN IBMSA7. ISSN 0018-8670.
- [AJ73] M. A. Auslander and J. F. Jaffe. Function structure of IBM Virtual Storage Operating Systems — 1 influences of dynamic address translation

Agarwal:1989:TNE**Ahuja:1979:RFC****Artim:1990:UIS****Ahuja:1988:CCS****Appavoo:2003:EAB****Aiken:1998:RED****Aiso:1973:FT****Ahuja:1968:IGDb****Auslander:1973:FSI**

- on operating system technology. *IBM Systems Journal*, 12(4):368–381, 1973. CODEN IBMSA7. ISSN 0018-8670.
- [AJ99] M. A. Auslander and J. F. Jaffe. Functional structure of IBM virtual storage operating systems, part I: Influences of dynamic address translation on operating system technology. *IBM Systems Journal*, 38(2–3):340–353, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/382/auslander.pdf>. Reprinted from [AJ73].
- [AJ05] V. K. Anand and W. C. Jamison. A middleware performance characterization of Linux using IBM WebSphere Application Server. *IBM Systems Journal*, 44(2):353–367, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/442/anand.html>; <http://www.research.ibm.com/journal/sj/442/anand.pdf>; <http://www.research.ibm.com/journal/sj/442/anand.txt>.
- [AJM⁺83] Dimitris Anastassiou, Hugh C. Jones, J. L. Mitchell, William B. Pennebaker, Keith S. Pennington, and Marvin K. Brown. Series/1-based videoconferencing system. *IBM Systems Journal*, 22(1-2):97–110, 1983. CODEN IBMSA7. ISSN 0018-8670.
- [Ake89] B. R. Aken, Jr. Large systems and Enterprise Systems Architecture. *IBM Systems Journal*, 28(1):4–14, 1989. CODEN IBMSA7. ISSN 0018-8670.
- [AKR⁺95] W. S. Arnette, A. D. Kshemkalyani, W. B. Riley, J. P. Sanders, P. J. Schwaller, J. C. Terrien, and J. Q. Walker. CPI-C: An API for distributed applications. *IBM Systems Journal*, 34(3):501–518, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-3.html#ten>.
- [ALE⁺04] O. T. Anderson, L. Luan, C. Everhart, M. Pereira, R. Sarkar, and J. Xu. Global namespace for files. *IBM Systems Journal*, 43(4):702–722, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/434/anderson.html>; <http://www.research.ibm.com/journal/sj/434/anderson.pdf>; <http://www.research.ibm.com/journal/sj/434/anderson.txt>.
- [Alf91] M. Alfonseca. Advanced applications of APL: logic program-

ming, neural networks, and hypertext. *IBM Systems Journal*, 30(4):543–553, 1991. CODEN IBMSA7. ISSN 0018-8670.

Alfred:1994:MLO

- [Alf94] C. Alfred. Maximizing leverage from an object database. *IBM Systems Journal*, 33(2):280–299, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-2.html#five>. G321-5543.

Allen:1971:AFL

- [All71] C. D. Allen. The application of formal logic to programs and programming. *IBM Systems Journal*, 10(1):2–38, 1971. CODEN IBMSA7. ISSN 0018-8670.

Allen:1974:EPS

- [All74] A. O. Allen. Elements of probability for system design. *IBM Systems Journal*, 13(4):325–348, 1974. CODEN IBMSA7. ISSN 0018-8670.

Allen:1975:EQT

- [All75] Arnold O. Allen. Elements of queuing theory for system design. *IBM Systems Journal*, 14(2):161–187, 1975. CODEN IBMSA7. ISSN 0018-8670. See erratum [Ano75j].

Allen:1999:TPI

- [All99] F. E. Allen. Turning points in interaction with computers. *IBM Systems Journal*, 38(2–3):135–138, 1999. CO-

DEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/382/allen.pdf>.

Almond:1972:NCM

- [Alm72] D. B. Almond. Numerical control for machining complex surfaces. *IBM Systems Journal*, 11(2):150–168, 1972. CODEN IBMSA7. ISSN 0018-8670.

Archibald:1983:ADP

- [ALP83] J. L. Archibald, B. M. Leavenworth, and L. R. Power. Abstract design and program translator: New tools for software design. *IBM Systems Journal*, 23(3):170–187, 1983. CODEN IBMSA7. ISSN 0018-8670.

Angeleri:1988:PII

- [ALPC88] P. Angeleri, D. F. Lozupone, F. Piccolo, and J. Clinckemaillie. PAM-CRASH on the IBM 3090/VF: an integrated environment of crash analysis. *IBM Systems Journal*, 27(4):541–560, November 1988. CODEN IBMSA7. ISSN 0018-8670.

Alter:2008:SSF

- [Alt08] S. Alter. Service system fundamentals: Work system, value chain, and life cycle. *IBM Systems Journal*, 47(1):71–??, January/March 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/471/alter.html>.

- [AM90] **Addink:1990:AIS**
M. Addink and J. J. Mullen. AS/400 ImagePlus system view. *IBM Systems Journal*, 29(3):451–466, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [AM04] **Albaugh:2004:UMS**
V. Albaugh and H. Madduri. The utility metering service of the Universal Management Infrastructure. *IBM Systems Journal*, 43(1):179–189, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/431/albaugh.pdf>.
- [Amd64] **Amdahl:1964:SSP**
G. M. Amdahl. The structure of SYSTEM/360, part III: Processing unit design considerations. *IBM Systems Journal*, 3(2):144–164, 1964. CODEN IBMSA7. ISSN 0018-8670.
- [AMM⁺95] **Agerwala:1995:SSA**
T. Agerwala, J. L. Martin, J. H. Mirza, D. C. Sadler, D. M. Dias, and M. Snir. SP2 system architecture. *IBM Systems Journal*, 34(2):152–184, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-2.html#three>.
- [AMM⁺99] **Agerwala:1999:SSA**
T. Agerwala, J. L. Martin, J. H. Mirza, D. C. Sadler, D. M. Dias, and M. Snir. SP2 system architecture. *IBM Systems Journal*, 38(2–3):414–448, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/382/agerwala.pdf>. Reprinted from [AMM⁺95].
- [AMP76] **Attanasio:1976:POS**
C. Richard Attanasio, Peter W. Markstein, and Ray J. Phillips. Penetrating an operating system: a study of VM/370 integrity. *IBM Systems Journal*, 15(1):102–116, 1976. CODEN IBMSA7. ISSN 0018-8670.
- [Ano63a] **Anonymous:1963:A**
Anonymous. Authors. *IBM Systems Journal*, 2:328–330, September/December 1963. CODEN IBMSA7. ISSN 0018-8670.
- [Ano63b] **Anonymous:1963:DOS**
Anonymous. Design of an operating system. *IBM Systems Journal*, 2:297, September/December 1963. CODEN IBMSA7. ISSN 0018-8670.
- [Ano64a] **Anonymous:1964:Aa**
Anonymous. Authors. *IBM Systems Journal*, 3(1):112–114, 1964. CODEN IBMSA7. ISSN 0018-8670.
- [Ano64b] **Anonymous:1964:Ab**
Anonymous. Authors. *IBM Systems Journal*, 3(2):196, 1964. CODEN IBMSA7. ISSN 0018-8670.
- [Ano64c] **Anonymous:1964:Ac**
Anonymous. Authors. *IBM Systems Journal*, 3(3):263,

1964. CODEN IBMSA7. ISSN 0018-8670.
- [Ano64d] Anonymous. Contents of volumes 1 & 2. *IBM Systems Journal*, 3(1):115–116, 1964. CODEN IBMSA7. ISSN 0018-8670.
- [Ano65g] Anonymous. Fabrication and assembly operations. *IBM Systems Journal*, 4(3):224–244, 1965. CODEN IBMSA7. ISSN 0018-8670.
- [Ano65a] Anonymous. Authors. *IBM Systems Journal*, 4(1):81–82, 1965. CODEN IBMSA7. ISSN 0018-8670.
- [Ano66a] Anonymous. Abstracts. *IBM Systems Journal*, 5(1):53–59, 1966. CODEN IBMSA7. ISSN 0018-8670.
- [Ano65b] Anonymous. Authors. *IBM Systems Journal*, 4(2):171–172, 1965. CODEN IBMSA7. ISSN 0018-8670.
- [Ano66b] Anonymous. Abstracts. *IBM Systems Journal*, 5(2):127–131, 1966. CODEN IBMSA7. ISSN 0018-8670.
- [Ano65c] Anonymous. Authors. *IBM Systems Journal*, 4(3):256–257, 1965. CODEN IBMSA7. ISSN 0018-8670.
- [Ano66c] Anonymous. Abstracts. *IBM Systems Journal*, 5(3):192–200, 1966. CODEN IBMSA7. ISSN 0018-8670.
- [Ano65d] Anonymous. Contents of volume three. *IBM Systems Journal*, 4(1):83–84, 1965. CODEN IBMSA7. ISSN 0018-8670.
- [Ano66d] Anonymous. Abstracts. *IBM Systems Journal*, 5(4):272–278, 1966. CODEN IBMSA7. ISSN 0018-8670.
- [Ano65e] Anonymous. Errata in volume three, numbers two and three. *IBM Systems Journal*, 4(1):84, 1965. CODEN IBMSA7. ISSN 0018-8670.
- [Ano66e] Anonymous. Authors. *IBM Systems Journal*, 5(1):52, 1966. CODEN IBMSA7. ISSN 0018-8670.
- [Ano65f] Anonymous. Fabrication and assembly operations. *IBM Systems Journal*, 4(2):86, June 1966. CODEN IBMSA7. ISSN 0018-8670.
- [Ano66f] Anonymous. Authors. *IBM Systems Journal*, 5(2):126, 1966. CODEN IBMSA7. ISSN 0018-8670.

- [Ano66g] **Anonymous:1966:Ae** Anonymous. Authors. *IBM Systems Journal*, 5(3):190–191, 1966. CODEN IBMSA7. ISSN 0018-8670.
- [Ano66h] **Anonymous:1966:Ag** Anonymous. Authors. *IBM Systems Journal*, 5(4):271, 1966. CODEN IBMSA7. ISSN 0018-8670.
- [Ano66i] **Anonymous:1966:CVF** Anonymous. Contents of volume four. *IBM Systems Journal*, 5(1):60, 1966. CODEN IBMSA7. ISSN 0018-8670.
- [Ano67a] **Anonymous:1967:Aa** Anonymous. Abstracts. *IBM Systems Journal*, 6(1):69–75, 1967. CODEN IBMSA7. ISSN 0018-8670.
- [Ano67b] **Anonymous:1967:Ab** Anonymous. Abstracts. *IBM Systems Journal*, 6(2):135–140, 1967. CODEN IBMSA7. ISSN 0018-8670.
- [Ano67c] **Anonymous:1967:Ac** Anonymous. Abstracts. *IBM Systems Journal*, 6(3):209–219, 1967. CODEN IBMSA7. ISSN 0018-8670.
- [Ano67d] **Anonymous:1967:Ad** Anonymous. Abstracts. *IBM Systems Journal*, 6(4):305–312, 1967. CODEN IBMSA7. ISSN 0018-8670.
- [Ano67e] **Anonymous:1967:AI** Anonymous. Author Index: 1962–1967. *IBM Systems Journal*, 6(4):320–323, 1967. CODEN IBMSA7. ISSN 0018-8670.
- [Ano67f] **Anonymous:1967:Ae** Anonymous. Authors. *IBM Systems Journal*, 6(1):68, 1967. CODEN IBMSA7. ISSN 0018-8670.
- [Ano67g] **Anonymous:1967:Af** Anonymous. Authors. *IBM Systems Journal*, 6(2):133–134, 1967. CODEN IBMSA7. ISSN 0018-8670.
- [Ano67h] **Anonymous:1967:Ag** Anonymous. Authors. *IBM Systems Journal*, 6(3):208, 1967. CODEN IBMSA7. ISSN 0018-8670.
- [Ano67i] **Anonymous:1967:Ah** Anonymous. Authors. *IBM Systems Journal*, 6(4):303–304, 1967. CODEN IBMSA7. ISSN 0018-8670.
- [Ano67j] **Anonymous:1967:CVF** Anonymous. Contents of volume five. *IBM Systems Journal*, 6(1):76, 1967. CODEN IBMSA7. ISSN 0018-8670.
- [Ano67k] **Anonymous:1967:CI** Anonymous. Cumulative Indices: 1962–1967. *IBM Systems Journal*, 6(4):313, 1967. CODEN IBMSA7. ISSN 0018-8670.

- [Ano67l] **Anonymous:1967:EVF**
 Anonymous. Errata in volume five. *IBM Systems Journal*, 6(1):76, 1967. CODEN IBMSA7. ISSN 0018-8670.
- [Ano67m] **Anonymous:1967:SI**
 Anonymous. Subject Index: 1962–1967. *IBM Systems Journal*, 6(4):324–327, 1967. CODEN IBMSA7. ISSN 0018-8670.
- [Ano67n] **Anonymous:1967:TC**
 Anonymous. Tables of Contents: 1962–1967. *IBM Systems Journal*, 6(4):314–319, 1967. CODEN IBMSA7. ISSN 0018-8670.
- [Ano68a] **Anonymous:1968:Aa**
 Anonymous. Abstracts. *IBM Systems Journal*, 7(1):68–71, 1968. CODEN IBMSA7. ISSN 0018-8670.
- [Ano68b] **Anonymous:1968:Ab**
 Anonymous. Abstracts. *IBM Systems Journal*, 7(2):135–143, 1968. CODEN IBMSA7. ISSN 0018-8670.
- [Ano68c] **Anonymous:1968:AI**
 Anonymous. Author Index: 1962–1968. *IBM Systems Journal*, 7(3/4):386–390, 1968. CODEN IBMSA7. ISSN 0018-8670.
- [Ano68d] **Anonymous:1968:Ac**
 Anonymous. Authors. *IBM Systems Journal*, 7(1):67, 1968. CODEN IBMSA7. ISSN 0018-8670.
- [Ano68e] **Anonymous:1968:Ad**
 Anonymous. Authors. *IBM Systems Journal*, 7(2):134, 1968. CODEN IBMSA7. ISSN 0018-8670.
- [Ano68f] **Anonymous:1968:Ae**
 Anonymous. Authors. *IBM Systems Journal*, 7(3/4):382–385, 1968. CODEN IBMSA7. ISSN 0018-8670.
- [Ano68g] **Anonymous:1968:IGDc**
 Anonymous. Interactive graphics in data processing: Application areas. *IBM Systems Journal*, 7(3/4):309, 1968. CODEN IBMSA7. ISSN 0018-8670.
- [Ano68h] **Anonymous:1968:IGDa**
 Anonymous. Interactive graphics in data processing: Display concepts and structures. *IBM Systems Journal*, 7(3/4):175, 1968. CODEN IBMSA7. ISSN 0018-8670.
- [Ano68i] **Anonymous:1968:IGDb**
 Anonymous. Interactive graphics in data processing: Language and systems support. *IBM Systems Journal*, 7(3/4):247, 1968. CODEN IBMSA7. ISSN 0018-8670.
- [Ano68j] **Anonymous:1968:SI**
 Anonymous. Subject Index: 1962–1968. *IBM Systems Journal*, 7(3/4):391–395, 1968. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1969:Aa

- [Ano69a] Anonymous. Abstracts. *IBM Systems Journal*, 8(1):88–91, 1969. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1969:Ab

- [Ano69b] Anonymous. Abstracts. *IBM Systems Journal*, 8(2):172–175, 1969. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1969:Ac

- [Ano69c] Anonymous. Abstracts. *IBM Systems Journal*, 8(3):247–250, 1969. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1969:Ad

- [Ano69d] Anonymous. Abstracts. *IBM Systems Journal*, 8(4):336–337, 1969. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1969:AIa

- [Ano69e] Anonymous. Author index: 1962–1969. *IBM Systems Journal*, 8(4):339–344, 1969. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1969:Ae

- [Ano69f] Anonymous. Authors. *IBM Systems Journal*, 8(1):87, 1969. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1969:Af

- [Ano69g] Anonymous. Authors. *IBM Systems Journal*, 8(2):170–171, 1969. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1969:Ag

- [Ano69h] Anonymous. Authors. *IBM Systems Journal*, 8(3):245–246, 1969. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1969:Ah

- [Ano69i] Anonymous. Authors. *IBM Systems Journal*, 8(4):334–335, 1969. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1969:C

- [Ano69j] Anonymous. Contents: 1969. *IBM Systems Journal*, 8(4):338, 1969. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1969:AIb

- [Ano69k] Anonymous. Subject index: 1962–1969. *IBM Systems Journal*, 8(4):345–349, 1969. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1970:Ac

- [Ano70a] Anonymous. Abstracts. *IBM Systems Journal*, 9(1):73–75, 1970. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1970:Ae

- [Ano70b] Anonymous. Abstracts. *IBM Systems Journal*, 9(2):160–162, 1970. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1970:Ag

- [Ano70c] Anonymous. Abstracts. *IBM Systems Journal*, 9(3):235–238, 1970. CODEN IBMSA7. ISSN 0018-8670.

- [Ano70d] **Anonymous:1970:Ai**
 Anonymous. Abstracts. *IBM Systems Journal*, 9(4):319–322, 1970. CODEN IBMSA7. ISSN 0018-8670.
- [Ano70e] **Anonymous:1970:AA**
 Anonymous. Acknowledgment of authorship. *IBM Systems Journal*, 9(3):239, 1970. CODEN IBMSA7. ISSN 0018-8670.
- [Ano70f] **Anonymous:1970:Ab**
 Anonymous. Authors. *IBM Systems Journal*, 9(1):72, 1970. CODEN IBMSA7. ISSN 0018-8670.
- [Ano70g] **Anonymous:1970:Ad**
 Anonymous. Authors. *IBM Systems Journal*, 9(2):159, 1970. CODEN IBMSA7. ISSN 0018-8670.
- [Ano70h] **Anonymous:1970:Af**
 Anonymous. Authors. *IBM Systems Journal*, 9(3):234, 1970. CODEN IBMSA7. ISSN 0018-8670.
- [Ano70i] **Anonymous:1970:Ah**
 Anonymous. Authors. *IBM Systems Journal*, 9(4):318, 1970. CODEN IBMSA7. ISSN 0018-8670.
- [Ano70j] **Anonymous:1970:C**
 Anonymous. Contents: 1970. *IBM Systems Journal*, 9(4):323, 1970. CODEN IBMSA7. ISSN 0018-8670.
- [Ano70k] **Anonymous:1970:ESM**
 Anonymous. Errata: “Internal sorting with minimal comparing”. *IBM Systems Journal*, 9(2):163, 1970. CODEN IBMSA7. ISSN 0018-8670. See [Woo69].
- [Ano70l] **Anonymous:1970:FAI**
 Anonymous. Five-year author index. *IBM Systems Journal*, 9(4):324–327, 1970. CODEN IBMSA7. ISSN 0018-8670.
- [Ano70m] **Anonymous:1970:FSI**
 Anonymous. Five-year subject index. *IBM Systems Journal*, 9(4):328–331, 1970. CODEN IBMSA7. ISSN 0018-8670.
- [Ano71a] **Anonymous:1971:Aa**
 Anonymous. Abstracts. *IBM Systems Journal*, 10(1):81–83, 1971. CODEN IBMSA7. ISSN 0018-8670.
- [Ano71b] **Anonymous:1971:Ab**
 Anonymous. Abstracts. *IBM Systems Journal*, 10(2):164–165, 1971. CODEN IBMSA7. ISSN 0018-8670.
- [Ano71c] **Anonymous:1971:Ac**
 Anonymous. Abstracts. *IBM Systems Journal*, 10(3):257–258, 1971. CODEN IBMSA7. ISSN 0018-8670.
- [Ano71d] **Anonymous:1971:Ad**
 Anonymous. Abstracts. *IBM Systems Journal*, 10(4):327–328, 1971. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1971:Ae

[Ano71e] Anonymous. Authors. *IBM Systems Journal*, 10(1):80, 1971. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1971:Af

[Ano71f] Anonymous. Authors. *IBM Systems Journal*, 10(2):162–163, 1971. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1971:Ag

[Ano71g] Anonymous. Authors. *IBM Systems Journal*, 10(3):255–256, 1971. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1971:Ah

[Ano71h] Anonymous. Authors. *IBM Systems Journal*, 10(4):325–326, 1971. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1971:C

[Ano71i] Anonymous. Contents: 1971. *IBM Systems Journal*, 10(4):329, 1971. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1971:FAI

[Ano71j] Anonymous. Five-year author index. *IBM Systems Journal*, 10(4):330–333, 1971. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1971:FSI

[Ano71k] Anonymous. Five-year subject index. *IBM Systems Journal*, 10(4):334–337, 1971. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1972:Ab

[Ano72a] Anonymous. Abstracts. *IBM Systems Journal*, 11(1):95–96, 1972. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1972:Ad

[Ano72b] Anonymous. Abstracts. *IBM Systems Journal*, 11(2):183–184, 1972. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1972:Af

[Ano72c] Anonymous. Abstracts. *IBM Systems Journal*, 11(3):274–275, 1972. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1972:Ah

[Ano72d] Anonymous. Abstracts. *IBM Systems Journal*, 11(4):352–353, 1972. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1972:Aa

[Ano72e] Anonymous. Authors. *IBM Systems Journal*, 11(1):93–94, 1972. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1972:Ac

[Ano72f] Anonymous. Authors. *IBM Systems Journal*, 11(2):181–182, 1972. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1972:Ae

[Ano72g] Anonymous. Authors. *IBM Systems Journal*, 11(3):272–273, 1972. CODEN IBMSA7. ISSN 0018-8670.

- [Ano72h] **Anonymous:1972:Ag** Anonymous. Authors. *IBM Systems Journal*, 11(4):350–351, 1972. CODEN IBMSA7. ISSN 0018-8670.
- [Ano72i] **Anonymous:1972:C** Anonymous. Contents: 1971. *IBM Systems Journal*, 11(4):354, 1972. CODEN IBMSA7. ISSN 0018-8670.
- [Ano72j] **Anonymous:1972:FAI** Anonymous. Five-year author index. *IBM Systems Journal*, 11(4):355–358, 1972. CODEN IBMSA7. ISSN 0018-8670.
- [Ano72k] **Anonymous:1972:FSI** Anonymous. Five-year subject index. *IBM Systems Journal*, 11(4):359–362, 1972. CODEN IBMSA7. ISSN 0018-8670.
- [Ano73a] **Anonymous:1973:Aa** Anonymous. Abstracts. *IBM Systems Journal*, 12(1):108–109, 1973. CODEN IBMSA7. ISSN 0018-8670.
- [Ano73b] **Anonymous:1973:Ab** Anonymous. Abstracts. *IBM Systems Journal*, 12(2):212–214, 1973. CODEN IBMSA7. ISSN 0018-8670.
- [Ano73c] **Anonymous:1973:Ad** Anonymous. Abstracts. *IBM Systems Journal*, 12(3):330, 1973. CODEN IBMSA7. ISSN 0018-8670.
- [Ano73d] **Anonymous:1973:Ae** Anonymous. Abstracts. *IBM Systems Journal*, 12(4):414–415, 1973. CODEN IBMSA7. ISSN 0018-8670.
- [Ano73e] **Anonymous:1973:AGM** Anonymous. Addendum: “A general management business simulation in APL”. *IBM Systems Journal*, 12(1):109, 1973. CODEN IBMSA7. ISSN 0018-8670. See [Wah72].
- [Ano73f] **Anonymous:1973:Af** Anonymous. Authors. *IBM Systems Journal*, 12(1):106–107, 1973. CODEN IBMSA7. ISSN 0018-8670.
- [Ano73g] **Anonymous:1973:Ag** Anonymous. Authors. *IBM Systems Journal*, 12(2):210–211, 1973. CODEN IBMSA7. ISSN 0018-8670.
- [Ano73h] **Anonymous:1973:Ac** Anonymous. Authors. *IBM Systems Journal*, 12(3):328–329, 1973. CODEN IBMSA7. ISSN 0018-8670.
- [Ano73i] **Anonymous:1973:Ah** Anonymous. Authors. *IBM Systems Journal*, 12(4):412–413, 1973. CODEN IBMSA7. ISSN 0018-8670.
- [Ano73j] **Anonymous:1973:C** Anonymous. Contents: 1973. *IBM Systems Journal*, 12(4):416, 1973. CODEN IBMSA7. ISSN 0018-8670.

- [Ano73k] **Anonymous:1973:FAI** Anonymous. Five-year author index. *IBM Systems Journal*, 12(4):417–419, 1973. CODEN IBMSA7. ISSN 0018-8670.
- [Ano73l] **Anonymous:1973:FSI** Anonymous. Five-year subject index. *IBM Systems Journal*, 12(4):420–423, 1973. CODEN IBMSA7. ISSN 0018-8670.
- [Ano74a] **Anonymous:1974:Aa** Anonymous. Abstracts. *IBM Systems Journal*, 13(1):90–92, 1974. CODEN IBMSA7. ISSN 0018-8670.
- [Ano74b] **Anonymous:1974:Ab** Anonymous. Abstracts. *IBM Systems Journal*, 13(2):181–182, 1974. CODEN IBMSA7. ISSN 0018-8670.
- [Ano74c] **Anonymous:1974:Ac** Anonymous. Abstracts. *IBM Systems Journal*, 13(3):271–272, 1974. CODEN IBMSA7. ISSN 0018-8670.
- [Ano74d] **Anonymous:1974:Ad** Anonymous. Abstracts. *IBM Systems Journal*, 13(4):350–351, 1974. CODEN IBMSA7. ISSN 0018-8670.
- [Ano74e] **Anonymous:1974:Ae** Anonymous. Authors. *IBM Systems Journal*, 13(1):88–89, 1974. CODEN IBMSA7. ISSN 0018-8670.
- [Ano74f] **Anonymous:1974:Af** Anonymous. Authors. *IBM Systems Journal*, 13(2):179–180, 1974. CODEN IBMSA7. ISSN 0018-8670.
- [Ano74g] **Anonymous:1974:Ag** Anonymous. Authors. *IBM Systems Journal*, 13(3):270, 1974. CODEN IBMSA7. ISSN 0018-8670.
- [Ano74h] **Anonymous:1974:Ah** Anonymous. Authors. *IBM Systems Journal*, 13(4):349, 1974. CODEN IBMSA7. ISSN 0018-8670.
- [Ano74i] **Anonymous:1974:C** Anonymous. Contents: 1974. *IBM Systems Journal*, 13(4):353, 1974. CODEN IBMSA7. ISSN 0018-8670.
- [Ano74j] **Anonymous:1974:CDS** Anonymous. Correction: “VSAM data set design parameters”. *IBM Systems Journal*, 13(4):352, 1974. CODEN IBMSA7. ISSN 0018-8670. See [KL74].
- [Ano74k] **Anonymous:1974:E** Anonymous. Errata: “Indexing design considerations”. *IBM Systems Journal*, 13(2):183, 1974. CODEN IBMSA7. ISSN 0018-8670. See [Wag73].
- [Ano74l] **Anonymous:1974:EDS** Anonymous. Erratum: “VSAM data set design parameters”. *IBM Systems Journal*, 13(4):

- 352, 1974. CODEN IBMSA7. ISSN 0018-8670. See [KL74].
- [Ano74m] Anonymous. Five-year author index. *IBM Systems Journal*, 13(4):354–356, 1974. CODEN IBMSA7. ISSN 0018-8670.
- [Ano74n] Anonymous. Five-year subject index. *IBM Systems Journal*, 13(4):357–360, 1974. CODEN IBMSA7. ISSN 0018-8670.
- [Ano75a] Anonymous. Abstracts. *IBM Systems Journal*, 14(1):98–100, 1975. CODEN IBMSA7. ISSN 0018-8670.
- [Ano75b] Anonymous. Abstracts. *IBM Systems Journal*, 14(2):205–207, 1975. CODEN IBMSA7. ISSN 0018-8670.
- [Ano75c] Anonymous. Abstracts. *IBM Systems Journal*, 14(3):306–307, 1975. CODEN IBMSA7. ISSN 0018-8670.
- [Ano75d] Anonymous. Abstracts. *IBM Systems Journal*, 14(3):308–309, 1975. CODEN IBMSA7. ISSN 0018-8670.
- [Ano75e] Anonymous. Abstracts. *IBM Systems Journal*, 14(4):409–410, 1975. CODEN IBMSA7. ISSN 0018-8670.
- [Ano75f] Anonymous. Authors. *IBM Systems Journal*, 14(1):96–97, 1975. CODEN IBMSA7. ISSN 0018-8670.
- [Ano75g] Anonymous. Authors. *IBM Systems Journal*, 14(2):203–204, 1975. CODEN IBMSA7. ISSN 0018-8670.
- [Ano75h] Anonymous. Authors. *IBM Systems Journal*, 14(4):407–408, 1975. CODEN IBMSA7. ISSN 0018-8670.
- [Ano75i] Anonymous. Contents: 1975. *IBM Systems Journal*, 14(4):411, 1975. CODEN IBMSA7. ISSN 0018-8670.
- [Ano75j] Anonymous. Erratum: “Elements of queuing theory for system design”. *IBM Systems Journal*, 14(2):208, 1975. CODEN IBMSA7. ISSN 0018-8670. See [All75].
- [Ano75k] Anonymous. Information on reprints. *IBM Systems Journal*, 14(3):310, 1975. CODEN IBMSA7. ISSN 0018-8670.
- [Ano76a] Anonymous. Abstracts. *IBM Systems Journal*, 15(1):120, 1976. CODEN IBMSA7. ISSN 0018-8670.
- Anonymous:1974:FAI**
- Anonymous:1974:FSI**
- Anonymous:1975:Aa**
- Anonymous:1975:Ab**
- Anonymous:1975:Ac**
- Anonymous:1975:Ad**
- Anonymous:1975:Ae**
- Anonymous:1975:Af**
- Anonymous:1975:Ag**
- Anonymous:1975:Ah**
- Anonymous:1975:C**
- Anonymous:1975:EQT**
- Anonymous:1975:IR**
- Anonymous:1976:Aa**

- [Ano76b] **Anonymous:1976:Ab**
 Anonymous. Abstracts. *IBM Systems Journal*, 15(2):173, 1976. CODEN IBMSA7. ISSN 0018-8670.
- [Ano76c] **Anonymous:1976:Ac**
 Anonymous. Abstracts. *IBM Systems Journal*, 15(3):280, 1976. CODEN IBMSA7. ISSN 0018-8670.
- [Ano76d] **Anonymous:1976:Ad**
 Anonymous. Abstracts. *IBM Systems Journal*, 15(4):380–383, 1976. CODEN IBMSA7. ISSN 0018-8670.
- [Ano76e] **Anonymous:1976:Ae**
 Anonymous. Authors. *IBM Systems Journal*, 15(1):117–119, 1976. CODEN IBMSA7. ISSN 0018-8670.
- [Ano76f] **Anonymous:1976:Af**
 Anonymous. Authors. *IBM Systems Journal*, 15(2):171–172, 1976. CODEN IBMSA7. ISSN 0018-8670.
- [Ano76g] **Anonymous:1976:Ag**
 Anonymous. Authors. *IBM Systems Journal*, 15(3):279, 1976. CODEN IBMSA7. ISSN 0018-8670.
- [Ano76h] **Anonymous:1976:Ah**
 Anonymous. Authors. *IBM Systems Journal*, 15(4):379, 1976. CODEN IBMSA7. ISSN 0018-8670.
- [Ano76i] **Anonymous:1976:C**
 Anonymous. Contents: 197. *IBM Systems Journal*, 15(4):384, 1976. CODEN IBMSA7. ISSN 0018-8670.
- [Ano76j] **Anonymous:1976:ENA**
 Anonymous. Errata: “Systems Network Architecture: An overview” and “The transmission subsystem in Systems Network Architecture”. *IBM Systems Journal*, 15(2):174, 1976. CODEN IBMSA7. ISSN 0018-8670. See [Cul76, McF76].
- [Ano76k] **Anonymous:1976:R**
 Anonymous. Reprints. *IBM Systems Journal*, 15(2):175–178, 1976. CODEN IBMSA7. ISSN 0018-8670.
- [Ano77a] **Anonymous:1977:Aa**
 Anonymous. Abstracts. *IBM Systems Journal*, 16(1):76–77, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [Ano77b] **Anonymous:1977:Ab**
 Anonymous. Abstracts. *IBM Systems Journal*, 16(2):198–201, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [Ano77c] **Anonymous:1977:Ac**
 Anonymous. Abstracts. *IBM Systems Journal*, 16(3):315, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [Ano77d] **Anonymous:1977:Ad**
 Anonymous. Abstracts. *IBM Systems Journal*, 16(4):426–

- 427, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [Ano77e] **Anonymous:1977:Ae** Anonymous. Authors. *IBM Systems Journal*, 16(1):74–75, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [Ano77f] **Anonymous:1977:Af** Anonymous. Authors. *IBM Systems Journal*, 16(2):197, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [Ano77g] **Anonymous:1977:Ag** Anonymous. Authors. *IBM Systems Journal*, 16(3):313–314, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [Ano77h] **Anonymous:1977:Ah** Anonymous. Authors. *IBM Systems Journal*, 16(4):424–425, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [Ano77i] **Anonymous:1977:Ba** Anonymous. Books. *IBM Systems Journal*, 16(2):202–203, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [Ano77j] **Anonymous:1977:Bb** Anonymous. Books. *IBM Systems Journal*, 16(3):316–317, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [Ano77k] **Anonymous:1977:C** Anonymous. Contents: 1977. *IBM Systems Journal*, 16(4):428, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [Ano77l] **Anonymous:1977:R** Anonymous. Reprints. *IBM Systems Journal*, 16(1):78–80, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [Ano78a] **Anonymous:1978:Aa** Anonymous. Abstracts. *IBM Systems Journal*, 17(1):95–96, 1978. CODEN IBMSA7. ISSN 0018-8670.
- [Ano78b] **Anonymous:1978:Ab** Anonymous. Abstracts. *IBM Systems Journal*, 17(2):201–202, 1978. CODEN IBMSA7. ISSN 0018-8670.
- [Ano78c] **Anonymous:1978:Ac** Anonymous. Abstracts. *IBM Systems Journal*, 17(3):316, 1978. CODEN IBMSA7. ISSN 0018-8670.
- [Ano78d] **Anonymous:1978:Ad** Anonymous. Abstracts. *IBM Systems Journal*, 17(4):465–466, 1978. CODEN IBMSA7. ISSN 0018-8670.
- [Ano78e] **Anonymous:1978:Ae** Anonymous. Authors. *IBM Systems Journal*, 17(1):92–94, 1978. CODEN IBMSA7. ISSN 0018-8670.
- [Ano78f] **Anonymous:1978:Af** Anonymous. Authors. *IBM Systems Journal*, 17(2):199–200, 1978. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1978:Ag

- [Ano78g] Anonymous. Authors. *IBM Systems Journal*, 17(3):314–315, 1978. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1978:Ah

- [Ano78h] Anonymous. Authors. *IBM Systems Journal*, 17(4):463–464, 1978. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1978:Ba

- [Ano78i] Anonymous. Books. *IBM Systems Journal*, 17(3):317–320, 1978. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1978:Bb

- [Ano78j] Anonymous. Books. *IBM Systems Journal*, 17(4):467–469, 1978. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1978:C

- [Ano78k] Anonymous. Contents: 1978. *IBM Systems Journal*, 17(4):470, 1978. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1978:E

- [Ano78l] Anonymous. Erratum: “Reprints”. *IBM Systems Journal*, 17(2):202, 1978. CODEN IBMSA7. ISSN 0018-8670. See [Ano78m].

Anonymous:1978:R

- [Ano78m] Anonymous. Reprints. *IBM Systems Journal*, 17(1):97–102, 1978. CODEN IBMSA7. ISSN 0018-8670. See erratum [Ano78l].

Anonymous:1979:Aa

- [Ano79a] Anonymous. Abstracts. *IBM Systems Journal*, 18(2):351–352, 1979. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1979:Ab

- [Ano79b] Anonymous. Abstracts. *IBM Systems Journal*, 18(3):479, 1979. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1979:Ac

- [Ano79c] Anonymous. Abstracts. *IBM Systems Journal*, 18(4):610–611, 1979. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1979:Ad

- [Ano79d] Anonymous. Authors. *IBM Systems Journal*, 18(1):181–184, 1979. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1979:Ae

- [Ano79e] Anonymous. Authors. *IBM Systems Journal*, 18(2):348–350, 1979. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1979:Af

- [Ano79f] Anonymous. Authors. *IBM Systems Journal*, 18(3):476–478, 1979. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1979:Ag

- [Ano79g] Anonymous. Authors. *IBM Systems Journal*, 18(4):608–609, 1979. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1979:B

[Ano79h] Anonymous. Books. *IBM Systems Journal*, 18(4):612–614, 1979. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1979:C

[Ano79i] Anonymous. Contents: 1979. *IBM Systems Journal*, 18(4):615–616, 1979. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1980:Aa

[Ano80a] Anonymous. Abstracts. *IBM Systems Journal*, 19(1):163–168, 1980. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1980:Ab

[Ano80b] Anonymous. Authors. *IBM Systems Journal*, 19(1):160–162, 1980. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1980:Ac

[Ano80c] Anonymous. Authors. *IBM Systems Journal*, 19(2):284–286, 1980. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1980:Ad

[Ano80d] Anonymous. Authors. *IBM Systems Journal*, 19(3):403–407, 1980. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1980:Ae

[Ano80e] Anonymous. Authors. *IBM Systems Journal*, 19(4):554–557, 1980. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1980:B

[Ano80f] Anonymous. Books. *IBM Systems Journal*, 19(2):287–288, 1980. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1980:C

[Ano80g] Anonymous. Contents: 1980. *IBM Systems Journal*, 19(4):560–561, 1980. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1980:SRa

[Ano80h] Anonymous. Suggested reading. *IBM Systems Journal*, 19(3):408–410, 1980. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1980:SRb

[Ano80i] Anonymous. Suggested reading. *IBM Systems Journal*, 19(4):558–559, 1980. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1981:AI

[Ano81a] Anonymous. Author index: 1975–1981. *IBM Systems Journal*, 20(1):108–113, 1981. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1981:Aa

[Ano81b] Anonymous. Authors. *IBM Systems Journal*, 20(1):104–105, 1981. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1981:Ab

[Ano81c] Anonymous. Authors. *IBM Systems Journal*, 20(2):264–265, 1981. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1981:Ac

[Ano81d] Anonymous. Authors. *IBM Systems Journal*, 20(3):361–362, 1981. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1981:Ad

[Ano81e] Anonymous. Authors. *IBM Systems Journal*, 20(4):441–442, 1981. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1981:C

[Ano81f] Anonymous. Contents: 1981. *IBM Systems Journal*, 20(4):445–446, 1981. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1981:R

[Ano81g] Anonymous. Referees. *IBM Systems Journal*, 20(3):365–367, 1981. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1981:SI

[Ano81h] Anonymous. Subject index: 1975–1981. *IBM Systems Journal*, 20(1):114–118, 1981. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1981:SRa

[Ano81i] Anonymous. Suggested reading. *IBM Systems Journal*, 20(1):106–107, 1981. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1981:SRb

[Ano81j] Anonymous. Suggested reading. *IBM Systems Journal*, 20(2):266–267, 1981. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1981:SRc

[Ano81k] Anonymous. Suggested reading. *IBM Systems Journal*, 20(3):363–364, 1981. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1981:SRd

[Ano81l] Anonymous. Suggested reading. *IBM Systems Journal*, 20(4):443–444, 1981. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1982:Aa

[Ano82a] Anonymous. Authors. *IBM Systems Journal*, 21(1):124–125, 1982. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1982:Ab

[Ano82b] Anonymous. Authors. *IBM Systems Journal*, 21(2):245–246, 1982. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1982:Ac

[Ano82c] Anonymous. Authors. *IBM Systems Journal*, 21(3):370–374, 1982. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1982:Ad

[Ano82d] Anonymous. Authors. *IBM Systems Journal*, 21(4):511–513, 1982. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1982:Ba

[Ano82e] Anonymous. Books. *IBM Systems Journal*, 21(3):378–379, 1982. CODEN IBMSA7. ISSN 0018-8670.

- [Ano82f] **Anonymous:1982:Bb**
Anonymous. Books. *IBM Systems Journal*, 21(4):516–520, 1982. CODEN IBMSA7. ISSN 0018-8670.
- [Ano82g] **Anonymous:1982:C**
Anonymous. Contents: 1982. *IBM Systems Journal*, 21(4):521, 1982. CODEN IBMSA7. ISSN 0018-8670.
- [Ano82h] **Anonymous:1982:R**
Anonymous. Reprints. *IBM Systems Journal*, 21(4):522–528, 1982. CODEN IBMSA7. ISSN 0018-8670.
- [Ano82i] **Anonymous:1982:SRa**
Anonymous. Suggested reading. *IBM Systems Journal*, 21(1):126–128, 1982. CODEN IBMSA7. ISSN 0018-8670.
- [Ano82j] **Anonymous:1982:SRb**
Anonymous. Suggested reading. *IBM Systems Journal*, 21(3):375–377, 1982. CODEN IBMSA7. ISSN 0018-8670.
- [Ano82k] **Anonymous:1982:SRc**
Anonymous. Suggested reading. *IBM Systems Journal*, 21(4):514–515, 1982. CODEN IBMSA7. ISSN 0018-8670.
- [Ano83a] **Anonymous:1983:C**
Anonymous. Contents: 1983. *IBM Systems Journal*, 22(4):466, 1983. CODEN IBMSA7. ISSN 0018-8670.
- [Ano83b] **Anonymous:1983:SRa**
Anonymous. Suggested reading. *IBM Systems Journal*, 22(1/2):165–166, 1983. CODEN IBMSA7. ISSN 0018-8670.
- [Ano83c] **Anonymous:1983:SRb**
Anonymous. Suggested reading. *IBM Systems Journal*, 22(4):464–465, 1983. CODEN IBMSA7. ISSN 0018-8670.
- [Ano84a] **Anonymous:1984:AI**
Anonymous. Author index: 1975–1984. *IBM Systems Journal*, 23(4):388–396, 1984. CODEN IBMSA7. ISSN 0018-8670.
- [Ano84b] **Anonymous:1984:CV**
Anonymous. Contents of volume 23, 1984. *IBM Systems Journal*, 23(4):410, 1984. CODEN IBMSA7. ISSN 0018-8670.
- [Ano84c] **Anonymous:1984:SI**
Anonymous. Subject index: 1975–1984. *IBM Systems Journal*, 23(4):397–409, 1984. CODEN IBMSA7. ISSN 0018-8670.
- [Ano84d] **Anonymous:1984:SRa**
Anonymous. Suggested reading. *IBM Systems Journal*, 23(2):219, 1984. CODEN IBMSA7. ISSN 0018-8670.
- [Ano84e] **Anonymous:1984:SRb**
Anonymous. Suggested reading. *IBM Systems Journal*, 23(3):305–306, 1984. CODEN IBMSA7. ISSN 0018-8670.

- [Ano85a] **Anonymous:1985:C** Anonymous. Contents: 1985. *IBM Systems Journal*, 24(3/4):335, 1985. CODEN IBMSA7. ISSN 0018-8670.
- [Ano85b] **Anonymous:1985:EIC** Anonymous. Erratum: "Use of images in commercial and office systems". *IBM Systems Journal*, 24(1):71, 1985. CODEN IBMSA7. ISSN 0018-8670. See [Som84].
- [Ano85c] **Anonymous:1985:R** Anonymous. Referees. *IBM Systems Journal*, 24(2):176-177, 1985. CODEN IBMSA7. ISSN 0018-8670.
- [Ano86a] **Anonymous:1986:CV** Anonymous. Contents of volume 25, 1988. *IBM Systems Journal*, 25(3/4):417, 1986. CODEN IBMSA7. ISSN 0018-8670.
- [Ano86b] **Anonymous:1986:SR** Anonymous. Suggested reading. *IBM Systems Journal*, 25(1):129, 1986. CODEN IBMSA7. ISSN 0018-8670.
- [Ano87a] **Anonymous:1987:Ba** Anonymous. Books. *IBM Systems Journal*, 26(3):319-321, 1987. CODEN IBMSA7. ISSN 0018-8670.
- [Ano87b] **Anonymous:1987:Bb** Anonymous. Books. *IBM Systems Journal*, 26(4):453-454, 1987. CODEN IBMSA7. ISSN 0018-8670.
- [Ano87c] **Anonymous:1987:CV** Anonymous. Contents of volume 26, 1987. *IBM Systems Journal*, 26(4):455, 1987. CODEN IBMSA7. ISSN 0018-8670.
- [Ano87d] **Anonymous:1987:SRa** Anonymous. Suggested reading. *IBM Systems Journal*, 26(2):231, 1987. CODEN IBMSA7. ISSN 0018-8670.
- [Ano87e] **Anonymous:1987:SRb** Anonymous. Suggested reading. *IBM Systems Journal*, 26(3):322, 1987. CODEN IBMSA7. ISSN 0018-8670.
- [Ano88a] **Anonymous:1988:Ba** Anonymous. Books. *IBM Systems Journal*, 27(1):81-85, 1988. CODEN IBMSA7. ISSN 0018-8670.
- [Ano88b] **Anonymous:1988:Bb** Anonymous. Books. *IBM Systems Journal*, 27(2):246, 1988. CODEN IBMSA7. ISSN 0018-8670.
- [Ano88c] **Anonymous:1988:Bc** Anonymous. Books. *IBM Systems Journal*, 27(4):570-572, 1988. CODEN IBMSA7. ISSN 0018-8670.
- [Ano88d] **Anonymous:1988:CV** Anonymous. Contents of volume 27, 1988. *IBM Systems Journal*, 27(4):573, 1988. CODEN IBMSA7. ISSN 0018-8670.

- [Ano88e] **Anonymous:1988:CIA**
 Anonymous. Cumulative index: Authors — subjects — abstracts. *IBM Systems Journal*, 27S(1):1–49, 1988. CODEN IBMSA7. ISSN 0018-8670. No volume or issue number, but bound with volume 27.
- [Ano89a] **Anonymous:1989:Ba**
 Anonymous. Books. *IBM Systems Journal*, 28(1):192, 1989. CODEN IBMSA7. ISSN 0018-8670.
- [Ano89b] **Anonymous:1989:Bb**
 Anonymous. Books. *IBM Systems Journal*, 28(2):351–356, 1989. CODEN IBMSA7. ISSN 0018-8670.
- [Ano89c] **Anonymous:1989:Bc**
 Anonymous. Books. *IBM Systems Journal*, 28(4):689–691, 1989. CODEN IBMSA7. ISSN 0018-8670.
- [Ano89d] **Anonymous:1989:CV**
 Anonymous. Contents of volume 28, 1989. *IBM Systems Journal*, 28(4):692, 1989. CODEN IBMSA7. ISSN 0018-8670.
- [Ano89e] **Anonymous:1989:R**
 Anonymous. Referees. *IBM Systems Journal*, 28(3):495–496, 1989. CODEN IBMSA7. ISSN 0018-8670.
- [Ano90a] **Anonymous:1990:Ba**
 Anonymous. Books. *IBM Systems Journal*, 29(1):165–166,
1990. CODEN IBMSA7. ISSN 0018-8670.
- [Ano90b] **Anonymous:1990:Bb**
 Anonymous. Books. *IBM Systems Journal*, 29(2):297–298, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [Ano90c] **Anonymous:1990:Bc**
 Anonymous. Books. *IBM Systems Journal*, 29(3):489–490, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [Ano90d] **Anonymous:1990:Bd**
 Anonymous. Books. *IBM Systems Journal*, 29(4):575–576, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [Ano90e] **Anonymous:1990:CV**
 Anonymous. Contents of volume 29, 1990. *IBM Systems Journal*, 29(4):577, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [Ano90f] **Anonymous:1990:EMT**
 Anonymous. Erratum: “Repository Manager technology”. *IBM Systems Journal*, 29(4):583, 1990. CODEN IBMSA7. ISSN 0018-8670. See [Sag90].
- [Ano90g] **Anonymous:1990:R**
 Anonymous. Reprints. *IBM Systems Journal*, 29(4):578–582, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [Ano91a] **Anonymous:1991:Ba**
 Anonymous. Books. *IBM Systems Journal*, 30(2):244–245,

1991. CODEN IBMSA7. ISSN 0018-8670.
Anonymous:1991:Bb
- [Ano91b] Anonymous. Books. *IBM Systems Journal*, 30(3):408–412, 1991. CODEN IBMSA7. ISSN 0018-8670.
Anonymous:1991:Bc
- [Ano91c] Anonymous. Books. *IBM Systems Journal*, 30(4):594–596, 1991. CODEN IBMSA7. ISSN 0018-8670.
Anonymous:1991:CV
- [Ano91d] Anonymous. Contents of volume 30, 1991. *IBM Systems Journal*, 30(4):597, 1991. CODEN IBMSA7. ISSN 0018-8670.
Anonymous:1991:ESS
- [Ano91e] Anonymous. Erratum: “Transaction Security System”. *IBM Systems Journal*, 30(4):598, 1991. CODEN IBMSA7. ISSN 0018-8670. See [ADDS91].
Anonymous:1992:Ba
- [Ano92a] Anonymous. Books. *IBM Systems Journal*, 31(1):147–149, 1992. CODEN IBMSA7. ISSN 0018-8670.
Anonymous:1992:Bb
- [Ano92b] Anonymous. Books. *IBM Systems Journal*, 31(2):409–410, 1992. CODEN IBMSA7. ISSN 0018-8670.
Anonymous:1992:Bc
- [Ano92c] Anonymous. Books. *IBM Systems Journal*, 31(4):811–815, 1992. CODEN IBMSA7. ISSN 0018-8670.
Anonymous:1992:CV
- [Ano92d] Anonymous. Contents of volume 31, 1992. *IBM Systems Journal*, 31(4):816–817, 1992. CODEN IBMSA7. ISSN 0018-8670.
Anonymous:1993:A
- [Ano93a] Anonymous. Abstracts: 1989–1992. *IBM Systems Journal*, 32(2):345–372, 1993. CODEN IBMSA7. ISSN 0018-8670.
Anonymous:1993:Ba
- [Ano93b] Anonymous. Books. *IBM Systems Journal*, 32(1):222–227, 1993. CODEN IBMSA7. ISSN 0018-8670.
Anonymous:1993:Bb
- [Ano93c] Anonymous. Books. *IBM Systems Journal*, 32(2):326–330, 1993. CODEN IBMSA7. ISSN 0018-8670.
Anonymous:1993:Bc
- [Ano93d] Anonymous. Books. *IBM Systems Journal*, 32(3):541–542, 1993. CODEN IBMSA7. ISSN 0018-8670.
Anonymous:1993:Bd
- [Ano93e] Anonymous. Books. *IBM Systems Journal*, 32(4):684–686, 1993. CODEN IBMSA7. ISSN 0018-8670.
Anonymous:1993:CV
- [Ano93f] Anonymous. Contents of volume 32, 1993. *IBM Systems*

- Journal*, 32(4):687, 1993. CODEN IBMSA7. ISSN 0018-8670.
- [Ano93g] Anonymous. Index: 1989–1992. *IBM Systems Journal*, 32(2):331–344, 1993. CODEN IBMSA7. ISSN 0018-8670.
- [Ano93h] Anonymous. Referees. *IBM Systems Journal*, 32(3):543–544, 1993. CODEN IBMSA7. ISSN 0018-8670.
- [Ano94a] Anonymous. Abstracts: 1962–1994. *IBM Systems Journal*, 33(4):590–689, 1994. CODEN IBMSA7. ISSN 0018-8670.
- [Ano94b] Anonymous. Author index: 1962–1994. *IBM Systems Journal*, 33(4):540–562, 1994. CODEN IBMSA7. ISSN 0018-8670.
- [Ano94c] Anonymous. Subject index: 1962–1994. *IBM Systems Journal*, 33(4):564–587, 1994. CODEN IBMSA7. ISSN 0018-8670.
- [Ano94d] Anonymous. Using the index. *IBM Systems Journal*, 33(4):537, 1994. CODEN IBMSA7. ISSN 0018-8670.
- [Ano95a] Anonymous. Contents of volume 34, 1995. *IBM Systems Journal*, 34(4):758–759, 1995. CODEN IBMSA7. ISSN 0018-8670.
- [Ano95b] Anonymous. Suggested reading. *IBM Systems Journal*, 34(4):754–757, 1995. CODEN IBMSA7. ISSN 0018-8670.
- [Ano96a] Anonymous. Books: “Doing IT Right: Technology, Business, and Risk of Computing”, by Harold Lorin (ISBN 1-884777-09-0), reviewed by Robert M. Orfali. “The Essential Distributed Objects Survival Guide”, by Robert Orfali, Dan Harkey, and Jeri Edwards (ISBN 0-471-12993-3), reviewed by Harold Lorin. “Secrets of Software Quality: 40 Innovations from IBM”, by Craig Kaplan, Ralph Clark, and Victor Tang, (ISBN 0-07-911795-3). Reviewed by Stephen H. Kan. *IBM Systems Journal*, 35(1):113–116, 1996. CODEN IBMSA7. ISSN 0018-8670.
- [Ano96b] Anonymous. Contents of volume 35, 1996. *IBM Systems Journal*, 35(3&4):651–652, 1996. CODEN IBMSA7. ISSN 0018-8670.
- [Ano97a] Anonymous. Books. *IBM Systems Journal*, 36(3):464–466, 1997. CODEN IBMJAE. ISSN

Anonymous:1993:I**Anonymous:1995:SR****Anonymous:1993:R****Anonymous:1996:BIR****Anonymous:1994:A****Anonymous:1994:AI****Anonymous:1994:SI****Anonymous:1994:UI****Anonymous:1995:CV****Anonymous:1996:CV****Anonymous:1997:Ba**

0018-8646 (print), 2151-8556 (electronic).

Anonymous:1997:Bb

[Ano97b] Anonymous. Books. *IBM Systems Journal*, 36(4):594–595, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/364/books.html>.

Anonymous:1997:CV

[Ano97c] Anonymous. Contents of Volume 36, 1997. *IBM Systems Journal*, 36(4):596, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/364/v36cont.html>.

Anonymous:1997:R

[Ano97d] Anonymous. Referees. *IBM Systems Journal*, 36(3):467–471, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic).

Anonymous:1998:B

[Ano98a] Anonymous. Books. *IBM Systems Journal*, 37(4):604–605, ??? 1998. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/374/books.html>.

Anonymous:1998:CV

[Ano98b] Anonymous. Contents of volume 37, 1998. *IBM Systems Journal*, 37(4):606–??, ??? 1998. CODEN IBMSA7. ISSN

0018-8670. URL <http://www.research.ibm.com/journal/>.

Anonymous:1998:E

[Ano98c] Anonymous. Erratum. *IBM Systems Journal*, 37(1):152–153, 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/371/erratum.html>.

Anonymous:1999:BP

[Ano99a] Anonymous. Books. *IBM Systems Journal*, 38(1):122–124, ??? 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/381/books.html>.

Anonymous:1999:CVP

[Ano99b] Anonymous. Contents of Volume 37, 1998. *IBM Systems Journal*, 38(4):606–628, ??? 1999. CODEN IBMSA7. ISSN 0018-8670.

Anonymous:1999:CV

[Ano99c] Anonymous. Contents of volume 38, 1999. *IBM Systems Journal*, 38(4):697–??, ??? 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/384/v38cont.html>.

Anonymous:1999:SR

[Ano99d] Anonymous. Suggested reading. *IBM Systems Journal*, 38(1):125, ??? 1999. CODEN IBMSA7. ISSN 0018-

8670. URL <http://www.research.ibm.com/journal/sj/381/books.html>.

Anonymous:2000:BP

[Ano00] Anonymous. Books. *IBM Systems Journal*, 39(2):403–??, ??? 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/392/books.html>.

Anonymous:2001:B

[Ano01a] Anonymous. Books. *IBM Systems Journal*, 40(3):803–805, ??? 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/403/books.html>; <http://www.research.ibm.com/journal/sj/403/books.pdf>.

Anonymous:2001:R

[Ano01b] Anonymous. Referees. *IBM Systems Journal*, 40(3):806–808, ??? 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/403/referees.html>; <http://www.research.ibm.com/journal/sj/403/referees.pdf>.

Anonymous:2001:SR

[Ano01c] Anonymous. Suggested reading. *IBM Systems Journal*, 40(4):1008–1011, ??? 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/404/suggest.html>; <http://www.research.ibm.com/journal/sj/404/suggest.pdf>.

<http://www.research.ibm.com/journal/sj/404/suggest.pdf>.

Anonymous:2002:BAB

[Ano02a] Anonymous. Books: *Arguing A.I.: The Battle for Twenty-First Century Science*, Sam Williams, Random House, New York, 2002. 128 pp. (ISBN 0-8129-91180-X). *IBM Systems Journal*, 41(3):540–541, ??? 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/413/books.html>.

Anonymous:2002:CV

[Ano02b] Anonymous. Contents of volume 41, 2002. *IBM Systems Journal*, 41(4):767–768, ??? 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/414/chessell.pdf>.

Anonymous:2003:B

[Ano03a] Anonymous. Books. *IBM Systems Journal*, 42(4):702–705, ??? 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/424/books.pdf>.

Anonymous:2003:CV

[Ano03b] Anonymous. Contents of volume 42, 2003. *IBM Systems Journal*, 42(4):706–708, ??? 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/424/books.pdf>.

- Anonymous:2004:E**
- [Ano04] Anonymous. Errata. *IBM Systems Journal*, 43(2):441, ??? 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/432/errata.html>; <http://www.research.ibm.com/journal/sj/432/errata.pdf>; <http://www.research.ibm.com/journal/sj/432/errata.txt>. [Ant75]
- Anonymous:2008:Eb**
- [Ano08a] Anonymous. Errata. *IBM Systems Journal*, 47(4):709, ??? 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/474/errata.pdf>. See [SNK⁺08].
- Anonymous:2008:Ea**
- [Ano08b] Anonymous. Erratum. *IBM Systems Journal*, 47(2):351–??, April/June 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/472/erratum.html>. See [Mil08].
- Apte:2002:PEF**
- [ANPT02] C. V. Apte, R. Natarajan, E. P. D. Pednault, and F. Tipu. A probabilistic estimation framework for predictive modeling analytics. *IBM Systems Journal*, 41(3):438–448, ??? 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/413/apte.html>. [App68]
- Antonelli:1975:ROS**
- Douglas C. Antonelli. The role of the operator in the Supermarket and Retail Store Systems. *IBM Systems Journal*, 14(1):35–45, 1975. CODEN IBMSA7. ISSN 0018-8670.
- Aukrust:1992:MSN**
- T. Aukrust, J. M. Oberhuber, E. J. Farrell, and P. M. Hagan. A modeling study of the North Atlantic with emphasis on the Greenland-Iceland-Norwegian Sea. *IBM Systems Journal*, 31(4):798–810, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5499.
- Arjomandi:1995:ACI**
- [AOK⁺95] E. Arjomandi, W. O’Farrell, I. Kalas, G. Koblents, F. C. Eigner, and G. R. Gao. ABC++: concurrency by inheritance in C++. *IBM Systems Journal*, 34(1):120–137, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-1.html#eight>.
- Avers:1990:IMA**
- [AP90] C. D. Avers and R. E. Probst. ImagePlus as a model for application solution development. *IBM Systems Journal*, 29(3):356–370, 1990. CODEN IBMSA7. ISSN 0018-8670.
- Appel:1968:IGDb**
- A. Appel. Interactive graphics in data processing: Modeling in three dimensions. *IBM Systems*

- Journal*, 7(3/4):310–321, 1968. CODEN IBMSA7. ISSN 0018-8670.
- [ApS64] H. G. ApSimon. Algorithm for a gear-train problem. *IBM Systems Journal*, 3(1):95–103, 1964. CODEN IBMSA7. ISSN 0018-8670.
- [Aro67] J. D. Aron. Real-time systems in perspective. *IBM Systems Journal*, 6(1):49–67, 1967. CODEN IBMSA7. ISSN 0018-8670.
- [AR76] Harold R. Albrecht and Keith D. Ryder. The Virtual Telecommunications Access Method: a Systems Network Architecture perspective. *IBM Systems Journal*, 15(1):53–80, 1976. CODEN IBMSA7. ISSN 0018-8670.
- [AR92] J. M. Arfman and P. Roden. Project Athena: Supporting distributed computing at MIT. *IBM Systems Journal*, 31(3):550–563, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5486.
- [ARG75] Harold A. Anderson, Jr., Martin Reiser, and George L. Galati. Tuning a virtual storage system. *IBM Systems Journal*, 14(3):246–263, 1975. CODEN IBMSA7. ISSN 0018-8670.
- [ARNRSG06] N. Aizenbud-Reshef, B. T. Nolan, J. Rubin, and Y. Shaham-Gafni. Model traceability. *IBM Systems Journal*, 45(3):515–526, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/453/aizenbud.html>.
- [Aro67] J. D. Aron. Real-time systems in perspective. *IBM Systems Journal*, 6(1):49–67, 1967. CODEN IBMSA7. ISSN 0018-8670.
- [Ars05] A. Arsanjani. Empowering the business analyst for on demand computing. *IBM Systems Journal*, 44(1):67–80, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/441/arsanjani.html>; <http://www.research.ibm.com/journal/sj/441/arsanjani.pdf>; <http://www.research.ibm.com/journal/sj/441/arsanjani.txt>.
- [AS82] Robert D. Acker and Philip H. Seaman. Modeling distributed processing across multiple CICS/VS sites. *IBM Systems Journal*, 21(4):471–489, 1982. CODEN IBMSA7. ISSN 0018-8670.
- [AS99] W. S. Ark and T. Selker. A look at human interaction with pervasive computers. *IBM Systems Journal*, 38(4):504–507, 1999. CODEN IBMSA7. ISSN 0018-8670.

0018-8670. URL <http://www.research.ibm.com/journal/sj/384/ark.html>.

Aschenbrenner:1986:OSI

[Asc86] J. R. Aschenbrenner. Open systems interconnection. *IBM Systems Journal*, 25(3-4):369–379, 1986. CODEN IBMSA7. ISSN 0018-8670.

Alfonseca:1991:AIG

[ASW91] M. Alfonseca, D. Selby, and R. Wilks. The APL IL Interpreter Generator. *IBM Systems Journal*, 30(4):490–497, 1991. CODEN IBMSA7. ISSN 0018-8670.

Albrecht:1979:IFD

[AT79] H. R. Albrecht and L. C. Thomason. I/O facilities of the Distributed Processing Programming Executive (DPPX). *IBM Systems Journal*, 18(4):526–546, 1979. CODEN IBMSA7. ISSN 0018-8670.

Akerman:2006:UOS

[AT06] A. Akerman and J. Tyree. Using ontology to support development of software architectures. *IBM Systems Journal*, 45(4):813–825, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/454/akerman.html>.

Alfonseca:1977:AIS

[ATC77] Manuel Alfonseca, Maria L. Tavera, and Ramon Casajuana.

An APL interpreter and system for a small computer. *IBM Systems Journal*, 16(1):18–40, 1977. CODEN IBMSA7. ISSN 0018-8670.

Anbil:1992:GAC

[ATJ92] R. Anbil, R. Tanga, and E. L. Johnson. A global approach to crew-pairing optimization. *IBM Systems Journal*, 31(1):71–78, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5462.

Attanasio:1979:VCS

[Att79] C. R. Attanasio. Virtual control storage — security measures in VM/370. *IBM Systems Journal*, 18(1):93–110, 1979. CODEN IBMSA7. ISSN 0018-8670.

Abrams:2007:OER

[AvKM⁺07] C. Abrams, J. von Känel, S. Müller, B. Pfitzmann, and S. Ruschka-Taylor. Optimized enterprise risk management. *IBM Systems Journal*, 46(2):219–??, 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/462/abrams.html>.

Anthony:1972:TDA

[AW72] A. L. Anthony and H. K. Watson. Techniques for developing analytic models. *IBM Systems Journal*, 11(4):316–328, 1972. CODEN IBMSA7. ISSN 0018-8670.

- [AYBDS06] **Amer-Yahia:2006:XFT**
S. Amer-Yahia, C. Botev, J. Dörre, and J. Shanmugasundaram. XQuery Full-Text extensions explained. *IBM Systems Journal*, 45(2):335–351, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/452/amer.html>.
- [Baa91] **Baade:1991:SRG**
S. C. Baade. SNA route generation using traffic patterns. *IBM Systems Journal*, 30(3):250–258, 1991. CODEN IBMSA7. ISSN 0018-8670.
- [BAC⁺81] **Blasgen:1981:SRA**
M. W. Blasgen, M. M. Astrahan, D. D. Chamberlin, J. N. Gray, W. F. King, B. G. Lindsay, R. A. Lorie, J. W. Mehl, T. G. Price, G. R. Putzolu, M. Schkolnick, P. G. Selinger, D. R. Slutz, H. R. Strong, I. L. Traiger, B. W. Wade, and R. A. Yost. System R: an architectural overview. *IBM Systems Journal*, 20(1):41–62, 1981. CODEN IBMSA7. ISSN 0018-8670. URL <https://doi.org/10.1147/sj.201.0041>.
- [BAC⁺99] **Blasgen:1999:SRA**
M. W. Blasgen, M. M. Astrahan, D. D. Chamberlin, J. N. Gray, W. F. King, B. G. Lindsay, R. A. Lorie, J. W. Mehl, T. G. Price, G. R. Putzolu, M. Schkolnick, P. G. Selinger, D. R. Slutz, H. R. Strong, I. L. Traiger, B. W. Wade, and R. A. Yost. System R: An architectural overview. *IBM Systems Journal*, 38(2–3):375–397, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/382/blasgen.pdf>. Reprinted from [BAC⁺81].
- [BAI⁺86] **Burns:1986:PIE**
N. A. Burns, T. J. Ashford, C. T. Iwaskiw, R. P. Starbird, and R. L. Flagg. The Portable Inference Engine: Fitting significant expertise into small systems. *IBM Systems Journal*, 25(2):236–243, 1986. CODEN IBMSA7. ISSN 0018-8670.
- [Bak65] **Baker:1965:FAO**
C. T. Baker. Fabrication and assembly operations, part 1: The outlines of a control system. *IBM Systems Journal*, 4(2):87–93, 1965. CODEN IBMSA7. ISSN 0018-8670.
- [Bak72] **Baker:1972:CPT**
F. T. Baker. Chief programmer team management of production programming. *IBM Systems Journal*, 11(1):56–73, 1972. CODEN IBMSA7. ISSN 0018-8670.
- [Bak80] **Baker:1980:LDA**
Charles T. Baker. Logical distribution of applications and data. *IBM Systems Journal*, 19(2):171–191, 1980. CODEN IBMSA7. ISSN 0018-8670.

- [Bar71] **Bard:1971:PCM**
 Y. Bard. Performance criteria and measurement for a time-sharing system. *IBM Systems Journal*, 10(3):193–216, 1971. CODEN IBMSA7. ISSN 0018-8670.
- [Bar73] **Bard:1973:EES**
 Y. Bard. Experimental evaluation of system performance. *IBM Systems Journal*, 12(3):302–314, 1973. CODEN IBMSA7. ISSN 0018-8670.
- [Bar75] **Bard:1975:PAV**
 Yonathan Bard. Performance analysis of virtual memory time-sharing systems. *IBM Systems Journal*, 14(4):366–384, 1975. CODEN IBMSA7. ISSN 0018-8670.
- [BARM97] **Bowen:1997:APS**
 N. S. Bowen, J. Antognini, R. D. Regan, and N. C. Matsakis. Availability in parallel systems: Automatic process restart. *IBM Systems Journal*, 36(2):284–300, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/362/antognini.html>.
- [Bat06] **Batory:2006:MMM**
 D. Batory. Multilevel models in model-driven engineering, product lines, and metaprogramming. *IBM Systems Journal*, 45(3):527–539, ??? 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/453/batory.html>.
- [Bau93] **Bauer:1993:TFA**
 D. Bauer. Technical forum: a reusable parts center. *IBM Systems Journal*, 32(4):620–624, 1993. CODEN IBMSA7. ISSN 0018-8670.
- [Bay98] **Bayeh:1998:WAS**
 E. Bayeh. The WebSphere Application Server architecture and programming model. *IBM Systems Journal*, 37(3):336–348, ??? 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/373/bayeh.html>.
- [BB64] **Blaauw:1964:SSPa**
 G. A. Blaauw and F. P. Brooks, Jr. The structure of SYSTEM/360, part I: Outline of the logical structure. *IBM Systems Journal*, 3(2):119–135, 1964. CODEN IBMSA7. ISSN 0018-8670.
- [BBC82] **Bullen:1982:CSO**
 Christine V. Bullen, John L. Bennett, and Eric D. Carlson. A case study of office workstation use. *IBM Systems Journal*, 21(3):351–369, 1982. CODEN IBMSA7. ISSN 0018-8670.
- [BBC⁺95] **Bird:1995:AAA**
 B. R. Bird, C. Brotman, R. Case, G. Dudley, R. E.

- Moore, and M. Peters. Advances in APPN architecture. *IBM Systems Journal*, 34(3):430–451, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-3.html#seven>.
- [BBC⁺03] D. F. Bantz, C. Bisdikian, D. Challener, J. P. Karidis, S. Mastrianni, A. Mohindra, D. G. Shea, and M. Vanover. Autonomic personal computing. *IBM Systems Journal*, 42(1):165–176, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/421/bantz.pdf>.
- [BBC⁺07] M. Blount, V. M. Batra, A. N. Capella, M. R. Ebling, W. F. Jerome, S. M. Martin, M. Nidd, M. R. Niemi, and S. P. Wright. Remote health-care monitoring using Personal Care Connect. *IBM Systems Journal*, 46(1):95–113, 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/461/blount.html>.
- [BBCM06] L. Balmelli, D. Brown, M. Cantor, and M. Mott. Model-driven systems development. *IBM Systems Journal*, 45(3):569–585, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/453/balmelli.html>.
- [BBD⁺92] C. Binding, W. Bouma, M. Dauphin, G. Karjoth, and Y. Yang. A common compiler for LOTOS and SDL specifications. *IBM Systems Journal*, 31(4):668–690, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5492.
- [BBDT84] Gerald Bozman, William Bucu, Timothy P. Daly, and William H. Tetzlaff. Analysis of free-storage algorithms — revisited. *IBM Systems Journal*, 23(1):44–64, 1984. CODEN IBMSA7. ISSN 0018-8670.
- [BBE⁺97] M. A. Bauer, R. B. Bunt, A. El Rayess, P. J. Finnigan, T. Kunz, H. L. Lutfiyya, A. D. Marshall, P. Martin, G. M. Oster, W. Powley, J. Rolia, D. Taylor, and M. Woodside. Services supporting management of distributed applications and systems. *IBM Systems Journal*, 36(4):508–526, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/364/bauer.html>.
- [BBET71] L. A. Belady, M. W. Blasgen, C. J. Evangelisti, and R. D.

Bantz:2003:APC**Binding:1992:CCL****Blount:2007:RHC****Bozman:1984:AFA****Bauer:1997:SSM****Balmelli:2006:MDS****Belady:1971:CGS**

- Tennison. A computer graphics system for block diagram problems. *IBM Systems Journal*, 10(2):143–161, 1971. CODEN IBMSA7. ISSN 0018-8670.
- [BBFK05] K. Bain, S. Basson, A. Faisman, and D. Kanevsky. Accessibility, transcription, and access everywhere. *IBM Systems Journal*, 44(3):589–603, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/443/bain.html>.
- [BBG⁺00] W. Bender, W. Butera, D. Gruhl, R. Hwang, F. J. Paiz, and S. Pogreb. Applications for data hiding. *IBM Systems Journal*, 39(3/4):547–566, 2000. CODEN IBMSA7. ISSN 0018-8670.
- [BBGB92] M. Bénichou, H. Beringer, J.-M. Gauthier, and C. Beierle. Prolog at IBM: An advanced and evolving application development technology. *IBM Systems Journal*, 31(4):755–773, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5496.
- [BBMA91] R. B. Bennett, W. J. Bitner, M. A. Musa, and M. K. Ainsworth. Systems management for Coordinated Resource Recovery. *IBM Systems Journal*, 30(1):90–106, 1991. CO-
- DEN IBMSA7. ISSN 0018-8670.
- [BBN96] M. Benantar, B. Blakley, and A. J. Nadalin. Approach to object security in Distributed SOM. *IBM Systems Journal*, 35(2):192–203, 1996. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj35-2.html#six>.
- [BBS02] K. Bassin, S. Biyani, and P. Santhanam. Metrics to evaluate vendor-developed software based on test case execution results. *IBM Systems Journal*, 41(1):13–30, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/411/bassin.html>; <http://www.research.ibm.com/journal/sj/411/bassin.pdf>.
- [BBWL05] N. Bieberstein, S. Bose, L. Walker, and A. Lynch. Impact of service-oriented architecture on enterprise systems, organizational structures, and individuals. *IBM Systems Journal*, 44(4):691–708, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/444/bieberstein.html>.
- [BC91] J. A. Brown and H. P. Crowder. APL2: Getting started. *IBM*
- Bain:2005:ATA**
- Benantar:1996:AOS**
- Bender:2000:ADH**
- Benichou:1992:PAI**
- Bennett:1991:SMC**
- Bieberstein:2005:ISO**
- Brown:1991:AGS**

- Systems Journal*, 30(4):433–445, 1991. CODEN IBMSA7. ISSN 0018-8670.
- [BCD+07] **Brittenham:2007:ISM**
P. Brittenham, R. R. Cutlip, C. Draper, B. A. Miller, S. Choudhary, and M. Perazolo. IT service management architecture and autonomic computing. *IBM Systems Journal*, 46(3):565–??, July/September 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/463/brittenham.html>.
- [BC04] **Broder:2004:TNG**
A. Z. Broder and A. C. Ciccolo. Towards the next generation of enterprise search technology. *IBM Systems Journal*, 43(3):451–454, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/433/broder.html>; <http://www.research.ibm.com/journal/sj/433/broder.pdf>; <http://www.research.ibm.com/journal/sj/433/broder.txt>. [BCE67]
- [BCC+01] **Britton:2001:TEB**
K. H. Britton, R. Case, A. Citron, R. Floyd, Y. Li, C. Seekamp, B. Topol, and K. Tracey. Transcoding: Extending e-business to new environments. *IBM Systems Journal*, 40(1):153–178, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/401/britton.html>. [BCE+94]
- [BCCN01] **Bainbridge:2001:CEJ**
A. Bainbridge, J. Colgrave, A. Colyer, and G. Normington. CICS and Enterprise JavaBeans. *IBM Systems Journal*, 40(1):46–67, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/401/bainbridge.html>. [BCE+96]
- Blakeney:1967:AMS**
G. R. Blakeney, L. F. Cudney, and C. R. Eickhorn. An application-oriented multiprocessing system, part II: Design characteristics of the 9020 system. *IBM Systems Journal*, 6(2):80–94, 1967. CODEN IBMSA7. ISSN 0018-8670.
- Bauer:1994:DSA**
M. A. Bauer, N. Coburn, D. L. Erickson, P. J. Finnigan, J. W. Hong, P.-A. Larson, J. Pachl, J. Slonim, D. J. Taylor, and T. J. Teorey. A distributed system architecture for a distributed application environment. *IBM Systems Journal*, 33(3):399–425, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-3.html#three>. G321-5548.
- Bender:1996:ECH**
W. Bender, P. Chesnais, S. Elo, A. Shaw, and M. Shaw. Enriching communities: Harbingers

- of news in the future. *IBM Systems Journal*, 35(3&4):369–380, 1996. CODEN IBMSA7. ISSN 0018-8670.
- [BCF+04] **Bakalova:2004:WDC** R. Bakalova, A. Chow, C. Fricano, P. Jain, N. Kodali, D. Poirier, S. Sankaran, and D. Shupp. WebSphere Dynamic Cache: Improving J2EE application performance. *IBM Systems Journal*, 43(2):351–370, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/432/bakalova.html>; <http://www.research.ibm.com/journal/sj/432/bakalova.pdf>; <http://www.research.ibm.com/journal/sj/432/bakalova.txt>.
- [BCFH65] **Bitonti:1965:CLA** F. Bitonti, D. W. Cooper, D. N. Frayne, and H. H. Hansen. A computer-aided linkage analysis system. *IBM Systems Journal*, 4(3):200–223, 1965. CODEN IBMSA7. ISSN 0018-8670.
- [BCG+89] **Burridge:1989:WSM** J. M. Burridge, B. M. Collins, B. N. Galton, A. R. Halbert, T. R. Heywood, W. H. Latham, R. W. Phippen, P. Quarendon, P. Reilly, M. W. Ricketts, J. Simmons, S. J. P. Todd, A. G. N. Walter, and J. R. Woodwark. The WIN-SOM solid modeller and its application to data visualization. *IBM Systems Journal*, 28(4):548–568, 1989. CODEN IBMSA7. ISSN 0018-8670.
- [BCH+06] **Beyer:2006:DGH** K. Beyer, R. Cochrane, M. Hvizdos, V. Josifovski, J. Kleewein, G. Lapis, G. Lohman, R. Lyle, M. Nicola, F. Özcan, H. Pirahesh, N. Seemann, A. Singh, T. Truong, R. C. Van der Linden, B. Vickery, C. Zhang, and G. Zhang. DB2 goes hybrid: Integrating native XML and XQuery with relational data and SQL. *IBM Systems Journal*, 45(2):271–298, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/452/beyer.html>.
- [BCHM80] **Bleher:1980:GIA** J. H. Bleher, P. G. Caspers, H. H. Henn, and K. Maerker. A graphic interactive application monitor. *IBM Systems Journal*, 19(3):382–402, 1980. CODEN IBMSA7. ISSN 0018-8670.
- [BCK+94] **Billings:1994:JMS** C. Billings, J. Clifton, B. Kolkhorst, E. Lee, and W. B. Wingert. Journey to a mature software process. *IBM Systems Journal*, 33(1):46–61, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-1.html#four>. G321-5532.
- [BCK+07] **Bhattacharya:2007:ACO** K. Bhattacharya, N. S. Caswell, S. Kumaran, A. Nigam, and

- F. Y. Wu. Artifact-centered operational modeling: Lessons from customer engagements. *IBM Systems Journal*, 46(4):??, October/December 2007. CODEN IBMSA7. ISSN 0018-8670. [BD66]
- Buco:2004:UCS**
- [BCL+04] M. J. Buco, R. N. Chang, L. Z. Luan, C. Ward, J. L. Wolf, and P. S. Yu. Utility computing SLA management based upon business objectives. *IBM Systems Journal*, 43(1):159–178, ??? 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/431/buco.pdf>.
- Barnes:1991:VES**
- [BCSW91] C. C. Barnes, A. Coleman, J. M. Showalter, and M. L. Walker. VM/ESA support for coordinated recovery of files. *IBM Systems Journal*, 30(1):107–125, 1991. CODEN IBMSA7. ISSN 0018-8670.
- Becking:2005:MOS**
- [BCvE+05] J. Becking, S. Course, G. van Enk, H. T. Hangyi, J. J. M. Lahaye, D. Ockeloen, R. Peters, H. Rosbergen, and R. van Wendel de Joode. MMBase: An open-source content management system. *IBM Systems Journal*, 44(2):381–397, ??? 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/442/becking.html>; <http://www.research.ibm.com/journal/sj/442/becking.pdf>; <http://www.research.ibm.com/journal/sj/442/becking.txt>.
- Bricault:1966:TSD**
- J. P. Bricault and I. Delgalvis. On teleprocessing system design, part III: An analysis of a request-queued buffer pool. *IBM Systems Journal*, 5(3):148–157, 1966. CODEN IBMSA7. ISSN 0018-8670.
- Bove:2000:HTR**
- [BDCA00] V. M. Bove, Jr., J. Dakss, E. Chalom, and S. Agamanolis. Hyperlinked television research at the MIT Media Laboratory. *IBM Systems Journal*, 39(3/4):470–478, ??? 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part1/bove.html>; <http://www.research.ibm.com/journal/sj/393/part1/bove.pdf>; <http://www.research.ibm.com/journal/sj/393/part1/bove.txt>.
- Budinsky:2004:WSO**
- [BDE+04] F. Budinsky, G. DeCandio, R. Earle, T. Francis, J. Jones, J. Li, M. Nally, C. Nelin, V. Popescu, S. Rich, A. Ryman, and T. Wilson. WebSphere Studio overview. *IBM Systems Journal*, 43(2):384–419, ??? 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/432/budinsky.html>; <http://www.research.ibm.com/journal/sj/432/budinsky.pdf>; <http://www.research.ibm.com/journal/sj/432/budinsky.txt>.

- [//www.research.ibm.com/journal/sj/432/budinsky.txt](http://www.research.ibm.com/journal/sj/432/budinsky.txt).
- Brown:2005:RSO**
- [BDE⁺05] A. W. Brown, M. Delbaere, P. Eeles, S. Johnston, and R. Weaver. Realizing service-oriented solutions with the IBM Rational Software Development Platform. *IBM Systems Journal*, 44(4):727–752, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/444/brown.html>.
- Baylor:2000:JSB**
- [BDF⁺00] S. J. Baylor, M. Devarakonda, S. Fink, E. Gluzberg, M. Kalantar, P. Muttineni, E. Barsness, R. Arora, R. Dimpsey, and S. J. Munroe. Java server benchmarks. *IBM Systems Journal*, 39(1):57–81, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/391/baylor.html>.
- Buss:1994:IRE**
- [BDG⁺94] E. Buss, R. De Mori, W. M. Gentleman, J. Henshaw, H. Johnson, K. Kontogiannis, E. Merlo, H. A. Muller, J. Mylopoulos, S. Paul, A. Prakash, M. Stanley, S. R. Tilley, J. Troster, and K. Wong. Investigating reverse engineering technologies for the CAS program understanding project. *IBM Systems Journal*, 33(3):477–500, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-3.html#seven>. G321-5552.
- Berk:1975:DPC**
- [BDH75] Murray A. Berk, Curtis W. Dunbar, and G. Carder Hobson. Design and performance considerations for the Retail Store System. *IBM Systems Journal*, 14(1):64–80, 1975. CODEN IBMSA7. ISSN 0018-8670.
- Bethke:1981:IUP**
- [BDK⁺81] F. J. Bethke, W. M. Dean, P. H. Kaiser, E. Ort, and F. H. Pessin. Improving the usability of programming publications. *IBM Systems Journal*, 20(3):306–320, 1981. CODEN IBMSA7. ISSN 0018-8670.
- Black:2007:IMO**
- [BDL⁺07] J. Black, C. Draper, T. Lococo, F. Matar, and C. Ward. An integration model for organizing IT service management. *IBM Systems Journal*, 46(3):405–??, July/September 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/463/black.html>.
- Banks:1997:ECE**
- [BDM97] T. Banks, K. E. Davies, and C. Moxey. The evolution of CICS/ESA in the sysplex environment. *IBM Systems Journal*, 36(2):352–360, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/463/black.html>.

- research.ibm.com/journal/sj/362/banks.html.
- [BDS88] **Buchwald:1988:IAS**
L. A. Buchwald, R. W. Davison, and W. P. Stevens. Integrating applications with SAA. *IBM Systems Journal*, 27(3):315–324, 1988. CODEN IBMSA7. ISSN 0018-8670.
- [BE77] **Blasgen:1977:SAR**
Michael W. Blasgen and Kapani P. Eswaran. Storage and access in relational data bases. *IBM Systems Journal*, 16(4):363–377, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [BE01] **Botha:2001:SDA**
R. A. Botha and J. H. P. Eloff. Separation of duties for access control enforcement in workflow environments. *IBM Systems Journal*, 40(3):666–682, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/403/botha.html>; <http://www.research.ibm.com/journal/sj/403/botha.pdf>.
- [Bec95] **Beck:1995:BPE**
Kent Beck. Books: “Design Patterns: Elements of Reusable Object-Oriented Software”, by Erich Gamma, Richard Helm, Ralph Johnson, and John Vlissides. *IBM Systems Journal*, 34(3):544–545, 1995. CODEN IBMSA7. ISSN 0018-8670.
- [BEF⁺07] **Bellamy:2007:SBD**
R. K. E. Bellamy, T. Erickson, B. Fuller, W. A. Kellogg, R. Rosenbaum, J. C. Thomas, and T. Vetting Wolf. Seeing is believing: Designing visualizations for managing risk and compliance. *IBM Systems Journal*, 46(2):205–??, 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/462/bellamy.html>.
- [BEH⁺06] **Balmin:2006:CBO**
A. Balmin, T. Eliaz, J. Hornbrook, L. Lim, G. M. Lohman, D. Simmen, M. Wang, and C. Zhang. Cost-based optimization in DB2 XML. *IBM Systems Journal*, 45(2):299–319, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/452/balmin.html>.
- [BEIW97] **Bowen:1997:LFP**
N. S. Bowen, D. A. Elko, J. F. Isenberg, and G. W. Wang. A locking facility for parallel systems. *IBM Systems Journal*, 36(2):202–220, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/362/bowen.html>.
- [Bel66] **Belady:1966:SRA**
L. A. Belady. A study of replacement algorithms for a

- virtual-storage computer. *IBM Systems Journal*, 5(2):78–101, 1966. CODEN IBMSA7. ISSN 0018-8670. [Ben01]
- Bennett:1986:TBA**
- [Ben86] J. L. Bennett. Tools for building advanced user interfaces. *IBM Systems Journal*, 25(3-4):354–368, 1986. CODEN IBMSA7. ISSN 0018-8670.
- Bencher:1994:PQI**
- [Ben94] D. L. Bencher. Technical forum: Programming quality improvement in IBM. *IBM Systems Journal*, 33(1):215–219, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-1.html>. [BEP80]
- Bender:1996:CP**
- [Ben96] W. Bender. Community and personalization. *IBM Systems Journal*, 35(3&4):367–368, 1996. CODEN IBMSA7. ISSN 0018-8670. [Ber78]
- Bender:2000:LE**
- [Ben00] W. Bender. Learning and expressing. *IBM Systems Journal*, 39(3/4):683–684, ????. 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part2/bender.html>; <http://www.research.ibm.com/journal/sj/393/part2/bender.pdf>; <http://www.research.ibm.com/journal/sj/393/part2/bender.txt>. [Ber84]
- Benantar:2001:IPK**
- M. Benantar. The Internet public key infrastructure. *IBM Systems Journal*, 40(3):648–665, ????. 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/403/benantar.html>; <http://www.research.ibm.com/journal/sj/403/benantar.pdf>.
- Belady:1980:GED**
- Laszio A. Belady, Carlo J. Evangelisti, and Leigh R. Power. GREENPRINT — a graphic representation of structured programs. *IBM Systems Journal*, 19(4):542–553, 1980. CODEN IBMSA7. ISSN 0018-8670.
- Beretvas:1978:PTO**
- Thomas Beretvas. Performance tuning in OS/VS2 MVS. *IBM Systems Journal*, 17(3):290–313, 1978. CODEN IBMSA7. ISSN 0018-8670.
- Beregi:1984:APS**
- William E. Beregi. Architecture prototyping in the software engineering environment. *IBM Systems Journal*, 23(1):4–18, 1984. CODEN IBMSA7. ISSN 0018-8670.
- Berry:1988:CUA**
- [Ber88] R. E. Berry. Common User Access — a consistent and usable human-computer interface for the SAA environments. *IBM*

- Systems Journal*, 27(3):281–300, 1988. CODEN IBMSA7. ISSN 0018-8670.
- [Ber92a] C. Berggren. The BiProcessor: a merger of two architectures. *IBM Systems Journal*, 31(3):535–549, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5485.
- [Ber92b] R. E. Berry. The designer’s model of the CUA workplace. *IBM Systems Journal*, 31(3):429–458, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5481.
- [BESZ02] E. Bin, R. Emek, G. Shurek, and A. Ziv. Using a constraint satisfaction formulation and solution techniques for random test program generation. *IBM Systems Journal*, 41(3):386–402, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/413/bin.html>.
- [BET72] D. T. Brown, R. L. Eibsen, and C. A. Thorn. Channel and direct access device architecture. *IBM Systems Journal*, 11(3):186–199, 1972. CODEN IBMSA7. ISSN 0018-8670.
- [Bev00] D. Bevington. Technical note — business function specification of commercial applications. *IBM Systems Journal*, 39(2):315–335, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/392/bevington.html>.
- [BFG+95] C. K. Baru, G. Fecteau, A. Goyal, H. Hsiao, A. Jhingan, S. Padmanabhan, G. P. Copeland, and W. G. Wilson. DB2 Parallel Edition. *IBM Systems Journal*, 34(2):292–322, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-2.html#ten>.
- [BFGS98] I. F. Brackenbury, D. F. Ferguson, K. D. Gottschalk, and R. A. Storey. IBM’s Enterprise Server for Java. *IBM Systems Journal*, 37(3):323–335, 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/373/brackenbury.html>.
- [BFH89] C. P. Ballard, L. Farfara, and B. J. Heldke. Managing changes in SNA networks. *IBM Systems Journal*, 28(2):260–273, 1989. CODEN IBMSA7. ISSN 0018-8670.
- [BFH+94] M. A. Bauer, P. J. Finnigan, J. W. Hong, J. A. Rollia, T. J. Teorey, and G. A.

Berggren:1992:BMT**Baru:1995:DPE****Berry:1992:DMC****Bin:2002:UCS****Brackenbury:1998:IES****Brown:1972:CDA****Ballard:1989:MCS****Bevington:2000:TNB****Bauer:1994:RAD**

- Winters. Reference architecture for distributed systems management. *IBM Systems Journal*, 33(3):426–444, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-3.html#four>. G321-5549.
- [BFH⁺05] P. Brunet, B. A. Feigenbaum, K. Harris, C. Laws, R. Schwedtfeger, and L. Weiss. Accessibility requirements for systems design to accommodate users with vision impairments. *IBM Systems Journal*, 44(3):445–466, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/443/brunet.html>.
- [BFS67] G. Bender, D. N. Freeman, and J. D. Smith. Function and design of DOS/360 and TOS/360. *IBM Systems Journal*, 6(1):2–21, 1967. CODEN IBMSA7. ISSN 0018-8670.
- [BFVY96] F. J. Budinsky, M. A. Finnie, J. M. Vlissides, and P. S. Yu. Automatic code generation from design patterns. *IBM Systems Journal*, 35(2):151–171, 1996. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj35-2.html#four>.
- [BG64] K. Blake and G. Gordon. Systems simulation with digital computers. *IBM Systems Journal*, 3(1):14–21, 1964. CODEN IBMSA7. ISSN 0018-8670.
- [BG71] B. C. Black and D. C. Gazis. Real-time traffic flow optimization. *IBM Systems Journal*, 10(3):217–231, 1971. CODEN IBMSA7. ISSN 0018-8670.
- [BGG⁺95a] N. Budhiraja, M. Gopal, M. Gupta, E. A. Hervatic, S. J. research.ibm.com/journal/sj/474/bailey.pdf.
- [BGS08] D. Bauer, L. Garcés-Erice, S. Rooney, and P. Scotton. Toward scalable real-time messaging. *IBM Systems Journal*, 47(2):237–??, April/June 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/472/bauer.html>.
- [BFSLT08] Dan Bailey, Erwin Frank-Schultz, Pieter Lindeque, and Joseph L. Temple III. Three reliability engineering techniques and their application to evaluating the availability of IT systems: An introduction. *IBM Systems Journal*, 47(4):577–589, 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/474/bailey.pdf>.
- [BUD96] F. J. Budinsky, M. A. Finnie, J. M. Vlissides, and P. S. Yu. Automatic code generation from design patterns. *IBM Systems Journal*, 35(2):151–171, 1996. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj35-2.html#four>.
- [BLAKE64] K. Blake and G. Gordon. Systems simulation with digital computers. *IBM Systems Journal*, 3(1):14–21, 1964. CODEN IBMSA7. ISSN 0018-8670.
- [BLACK71] B. C. Black and D. C. Gazis. Real-time traffic flow optimization. *IBM Systems Journal*, 10(3):217–231, 1971. CODEN IBMSA7. ISSN 0018-8670.
- [BAUER08] D. Bauer, L. Garcés-Erice, S. Rooney, and P. Scotton. Toward scalable real-time messaging. *IBM Systems Journal*, 47(2):237–??, April/June 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/472/bauer.html>.
- [BENDER67] G. Bender, D. N. Freeman, and J. D. Smith. Function and design of DOS/360 and TOS/360. *IBM Systems Journal*, 6(1):2–21, 1967. CODEN IBMSA7. ISSN 0018-8670.
- [BRUNET05] P. Brunet, B. A. Feigenbaum, K. Harris, C. Laws, R. Schwedtfeger, and L. Weiss. Accessibility requirements for systems design to accommodate users with vision impairments. *IBM Systems Journal*, 44(3):445–466, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/443/brunet.html>.
- [BRUNET05] P. Brunet, B. A. Feigenbaum, K. Harris, C. Laws, R. Schwedtfeger, and L. Weiss. Accessibility requirements for systems design to accommodate users with vision impairments. *IBM Systems Journal*, 44(3):445–466, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/443/brunet.html>.
- [BAILEY08] Dan Bailey, Erwin Frank-Schultz, Pieter Lindeque, and Joseph L. Temple III. Three reliability engineering techniques and their application to evaluating the availability of IT systems: An introduction. *IBM Systems Journal*, 47(4):577–589, 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/474/bailey.pdf>.
- [BUDHIRAJA95] N. Budhiraja, M. Gopal, M. Gupta, E. A. Hervatic, S. J.

- Nadas, and P. A. Stirpe. Multicast network connection architecture. *IBM Systems Journal*, 34(4):590–603, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-4.html#four>.
- [BGG⁺95b] **Budhiraja:1995:NAN**
N. Budhiraja, M. Gopal, M. Gupta, E. A. Hervatic, S. J. Nadas, P. A. Stirpe, L. A. Tomek, and D. C. Verma. The NBBS access node. *IBM Systems Journal*, 34(4):694–704, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-4.html#ten>.
- [BGH76] **Bryant:1976:ELQ**
Peter Bryant, Fred W. Giesin, Jr., and Roger M. Hayes. Experiments in line quality monitoring. *IBM Systems Journal*, 15(2):124–142, 1976. CODEN IBMSA7. ISSN 0018-8670.
- [BGH⁺04] **Bourbonnais:2004:TII**
S. Bourbonnais, V. M. Gogate, L. M. Haas, R. W. Horman, S. Malaika, I. Narang, and V. Raman. Towards an information infrastructure for the grid. *IBM Systems Journal*, 43(4):665–688, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/434/bourbonnais.html>; <http://www.research.ibm.com/journal/sj/434/bourbonnais.pdf>;
- [BGL⁺05] **Bhattacharya:2005:MDA**
K. Bhattacharya, R. Guttman, K. Lyman, F. F. Heath III, S. Kumaran, P. Nandi, F. Wu, P. Athma, C. Freiberg, L. Johannsen, and A. Staudt. A model-driven approach to industrializing discovery processes in pharmaceutical research. *IBM Systems Journal*, 44(1):145–162, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/441/bhattacharya.html>; <http://www.research.ibm.com/journal/sj/441/bhattacharya.pdf>;
- [BGML96] **Bender:1996:TDH**
W. Bender, D. Gruhl, N. Morimoto, and A. Liu. Techniques for data hiding. *IBM Systems Journal*, 35(3&4):313–336, 1996. CODEN IBMSA7. ISSN 0018-8670.
- [BGP62] **Baldwin:1962:MAL**
F. R. Baldwin, W. B. Gibson, and C. B. Poland. A multiprocessing approach to a large computer system. *IBM Systems Journal*, 1:64–76, September 1962. CODEN IBMSA7. ISSN 0018-8670.

- [BGT96] **Benantar:1996:ACS** M. Benantar, R. Guski, and K. M. Troidle. Access control systems: From host-centric to network-centric computing. *IBM Systems Journal*, 35(1):94–112, 1996. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj35-1.html#six>.
- [BHS+65] **Branin:1965:IPM** F. H. Branin, Jr., L. V. Hall, J. Suez, R. M. Carlitz, and T. C. Chen. An interpretive program for matrix arithmetic. *IBM Systems Journal*, 4(1):2–24, 1965. CODEN IBMSA7. ISSN 0018-8670.
- [BHS74] **Baily:1974:JES** James H. Baily, John A. Howard, and Thomas J. Szczygielski. The job entry subsystem of OS/VS1. *IBM Systems Journal*, 13(3):253–269, 1974. CODEN IBMSA7. ISSN 0018-8670.
- [BH80] **Bird:1980:SM** R. A. Bird and C. A. Hofmann. Systems management. *IBM Systems Journal*, 19(1):140–159, 1980. CODEN IBMSA7. ISSN 0018-8670.
- [BHC+94] **Bhandari:1994:IPI** I. Bhandari, M. J. Halliday, J. Chaar, R. Chillarege, K. Jones, J. S. Atkinson, C. Lepori-Costello, P. Y. Jasper, E. D. Tarver, C. C. Lewis, and M. Yonezawa. In-process improvement through defect data interpretation. *IBM Systems Journal*, 33(1):182–214, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-1.html#ten>. G321-5538.
- [BHR89] **Borden:1989:MOS** T. L. Borden, J. P. Hennessy, and J. W. Rymarczyk. Multiple operating systems on one processor complex. *IBM Systems Journal*, 28(1):104–123, 1989. CODEN IBMSA7. ISSN 0018-8670.
- [BHS+05] **Basson:2005:P** Sara Basson, Vicki Hanson, Michael Strack, John J. Ritsko, and David I. Seidman. Preface. *IBM Systems Journal*, 44(3):443–44, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/443/preface.html>.
- [BHT03] **Berry:2003:DEV** D. Berry, C. Hungate, and T. Temple. Delivering expected value to users and stakeholders with User Engineering. *IBM Systems Journal*, 42(4):542–567, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/424/berry.pdf>.

- [BHW99] **Baber:1999:CPD**
C. Baber, D. J. Haniff, and S. I. Woolley. Contrasting paradigms for the development of wearable computers. *IBM Systems Journal*, 38(4):551–565, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/384/baber.html>.
- [BHW83] **Benjamin:1983:ISN**
J. H. Benjamin, M. L. Hess, R. A. Weingarten, and W. R. Wheeler. Interconnecting SNA networks. *IBM Systems Journal*, 23(4):344–366, 1983. CODEN IBMSA7. ISSN 0018-8670.
- [Bie97] **Bieberstein:1997:ADE**
N. Bieberstein. Application development as an engineering discipline: Revolution or evolution? *IBM Systems Journal*, 36(1):??, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/361/bieberstein.html>.
- [BLJ06] **Brown:2006:RAM**
A. W. Brown, S. Iyengar, and S. Johnston. A rational approach to model-driven development. *IBM Systems Journal*, 45(3):463–480, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/453/brown.html>.
- [Bir73] **Birch:1973:FSI**
J. P. Birch. Functional structure of IBM Virtual Storage Operating Systems — 3 architecture and design of DOS/VS. *IBM Systems Journal*, 12(4):401–411, 1973. CODEN IBMSA7. ISSN 0018-8670.
- [Bjo75] **Bjork:1975:GAT**
Lawrence A. Bjork, Jr. Generalized audit trail requirements and concepts for data base applications. *IBM Systems Journal*, 14(3):229–245, 1975. CODEN IBMSA7. ISSN 0018-8670.
- [BK63] **Boyd:1963:EEM**
D. F. Boyd and H. S. Krasnow. Economic evaluation of management information systems. *IBM Systems Journal*, 2:2–23, March 1963. CODEN IBMSA7. ISSN 0018-8670.
- [BKK+02] **Bichler:2002:AFP**
M. Bichler, J. Kalagnanam, K. Katircioglu, A. J. King, R. D. Lawrence, H. S. Lee, G. Y. Lin, and Y. Lu. Applications of flexible pricing in business-to-business electronic commerce. *IBM Systems Journal*, 41(2):287–302, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/412/bichler.html>; <http://www.research.ibm.com/journal/sj/412/bichler.pdf>; <http://www.research.ibm.com/journal/sj/412/bichler.txt>.

- [BKP64] **Boyd:1964:GPD** D. F. Boyd, H. S. Krasnow, and A. C. R. Petit. A general purpose digital simulator and examples of its application, part IV: Simulation of an integrated steel mill. *IBM Systems Journal*, 3(1):51–56, 1964. CODEN IBMSA7. ISSN 0018-8670.
- [BL73] **Brown:1973:ISB** J. F. Brown and D. W. Low. Interactive simulation for banking. *IBM Systems Journal*, 12(2):172–186, 1973. CODEN IBMSA7. ISSN 0018-8670.
- [BL76] **Belady:1976:MLP** Laszio A. Belady and M. M. Lehman. A model of large program development. *IBM Systems Journal*, 15(3):225–252, 1976. CODEN IBMSA7. ISSN 0018-8670.
- [BL95] **Bauchot:1995:IWR** F. J. Bauchot and F. Lanne. IBM wireless RF LAN design and architecture. *IBM Systems Journal*, 34(3):390–408, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-3.html#five>.
- [Bla64] **Blaauw:1964:SSPb** G. A. Blaauw. The structure of SYSTEM/360, part V: Multisystem organization. *IBM Systems Journal*, 3(2):181–195, 1964. CODEN IBMSA7. ISSN 0018-8670.
- [Bla98] **Blackman:1998:TNI** K. R. Blackman. Technical note — IMS celebrates thirty years as an IBM product. *IBM Systems Journal*, 37(4):596–603, 1998. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/374/blackman.html>.
- [Blu64] **Blum:1964:GPD** A. M. Blum. A general purpose digital simulator and examples of its application, part III: Digital simulation of urban traffic. *IBM Systems Journal*, 3(1):41–50, 1964. CODEN IBMSA7. ISSN 0018-8670.
- [BM68] **Baskin:1968:IGD** H. B. Baskin and S. P. Morse. Interactive graphics in data processing: a multilevel modeling structure for interactive graphic design. *IBM Systems Journal*, 7(3/4):218–228, 1968. CODEN IBMSA7. ISSN 0018-8670.
- [BM72] **Banham:1972:DFR** J. A. Banham and P. McClelland. Design features of a real-time check-clearing system. *IBM Systems Journal*, 11(4):329–349, 1972. CODEN IBMSA7. ISSN 0018-8670.
- [BM83] **Bird:1983:AGR** D. L. Bird and C. U. Munoz. Automatic generation of random self-checking test cases. *IBM Systems Journal*, 23(3):

- 228–245, 1983. CODEN IBMSA7. ISSN 0018-8670.
- [BMP08] **Bender:1996:DEI** W. Bender and R. MacNeil. Design of electronic information. *IBM Systems Journal*, 35(3&4):497–498, 1996. CODEN IBMSA7. ISSN 0018-8670.
- [BM96] **Barrett:1999:IAM** R. Barrett and P. P. Maglio. Intermediaries: An approach to manipulating information streams. *IBM Systems Journal*, 38(4):629–641, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/384/barrett.html>.
- [BM99] **Bohrer:1998:ASF** K. A. Bohrer. Architecture of the San Francisco frameworks. *IBM Systems Journal*, 37(2):156–169, 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/372/bohrer.html>.
- [BMK02] **Boies:1974:UBI** S. J. Boies. User behavior on an interactive computer system. *IBM Systems Journal*, 13(1):2–18, 1974. CODEN IBMSA7. ISSN 0018-8670.
- [BMMR96] **Borovoy:1996:TBC** R. Borovoy, M. McDonald, F. Martin, and M. Resnick. Things that blink: Computationally augmented name tags. *IBM Systems Journal*, 35(3&4):488–496, 1996. CODEN IBMSA7. ISSN 0018-8670.
- [Boi74] **Boies:1999:UBI** S. J. Boies. User behavior on an interactive computer system. *IBM Systems Journal*, 38(2–3):162–180, 1999. CODEN IBMSA7. ISSN 0018-8670.
- [Boi99] **Boies:1999:UBI** S. J. Boies. User behavior on an interactive computer system. *IBM Systems Journal*, 38(2–3):162–180, 1999. CODEN IBMSA7. ISSN 0018-8670.
- [BMP08] **Berry:2008:RSI** R. F. Berry, P. E. McKenney, and F. N. Parr. Responsive systems: An introduction. *IBM Systems Journal*, 47(2):197–??, April/June 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/472/berry.html>.
- [BN89] **Blandy:1989:VSM** G. O. Blandy and S. R. Newson. VM/XA storage management. *IBM Systems Journal*, 28(1):175–191, 1989. CODEN IBMSA7. ISSN 0018-8670.

- 0018-8670. URL <http://www.research.ibm.com/journal/sj/382/boies.pdf>. Reprinted from [Boi74].
- [Bon69] **Bonner:1969:USM**
A. J. Bonner. Using system monitor output to improve performance. *IBM Systems Journal*, 8(4):290–298, 1969. CODEN IBMSA7. ISSN 0018-8670.
- [Bon84] **Bontempo:1984:BR**
Charles J. Bontempo. Book review. *IBM Systems Journal*, 23(4):386–387, 1984. CODEN IBMSA7. ISSN 0018-8670.
- [Boo85] **Boos:1985:HIM**
W. Boos. HONE: the IBM Marketing Support System. *IBM Systems Journal*, 24(3-4):189–199, 1985. CODEN IBMSA7. ISSN 0018-8670.
- [Bot82] **Botterill:1982:DRS**
J. Howard Botterill. The design rationale of the System/38 user interface. *IBM Systems Journal*, 21(4):384–423, 1982. CODEN IBMSA7. ISSN 0018-8670.
- [Bot89] **Botterill:1989:DRA**
J. H. Botterill. Design rationale of the AS/400 user interface. *IBM Systems Journal*, 28(3):443–464, 1989. CODEN IBMSA7. ISSN 0018-8670.
- [Bou98] **Boulanger:1998:CGH**
A. Boulanger. Catapults and grappling hooks: The tools and techniques of information warfare. *IBM Systems Journal*, 37(1):106–114, 1998. CODEN IBMSA7. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/371/boulanger.html>.
- [Bou05] **Boulanger:2005:OSV**
A. Boulanger. Open-source versus proprietary software: Is one more secure and reliable than the other? *IBM Systems Journal*, 44(2):239–248, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/442/boulanger.html>; <http://www.research.ibm.com/journal/sj/442/boulanger.pdf>; <http://www.research.ibm.com/journal/sj/442/boulanger.txt>.
- [Bov96] **Bove:1996:MBO**
V. M. Bove, Jr. Multimedia based on object models: Some whys and hows. *IBM Systems Journal*, 35(3&4):337–348, 1996. CODEN IBMSA7. ISSN 0018-8670.
- [Boz89] **Bozman:1989:VSM**
G. P. Bozman. VM/XA SP2 minidisk cache. *IBM Systems Journal*, 28(1):165–174, 1989. CODEN IBMSA7. ISSN 0018-8670.
- [BPZ90] **Boehm:1990:PDI**
G. E. Boehm, A. M. Palmiotti, and D. P. Zingaretti. Porting DPPX from the IBM 8100

- to the IBM ES/9370: Installation and testing. *IBM Systems Journal*, 29(1):124–140, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [BR92] **Berry:1992:ECU**
R. E. Berry and C. J. Reeves. The evolution of the Common User Access Workplace Model. *IBM Systems Journal*, 31(3):414–428, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5480.
- [BR02] **Brackenbury:2002:MIT**
I. Brackenbury and Y. Ravin. Machine intelligence and the Turing Test. *IBM Systems Journal*, 41(3):524–529, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/413/forum.html>.
- [BR03] **Birman:2003:P**
Alex Birman and John J. Ritsko. Preface. *IBM Systems Journal*, 42(2):203–204, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/422/preface.pdf>.
- [BR07] **Birman:2007:P**
A. Birman and J. J. Ritsko. Preface. *IBM Systems Journal*, 46(4):??, October/December 2007. CODEN IBMSA7. ISSN 0018-8670.
- [BR08a] **Basole:2008:CSV**
R. C. Basole and W. B. Rouse. Complexity of service value net-
- works: Conceptualization and empirical investigation. *IBM Systems Journal*, 47(1):53–??, January/March 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/471/basole.html>.
- [BR08b] **Birman:2008:P**
A. Birman and J. J. Ritsko. Preface. *IBM Systems Journal*, 47(2):195–??, April/June 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/472/preface.html>.
- [Bra79] **Branscomb:1979:CCP**
L. M. Branscomb. Computing and communications—A perspective of the evolving environment. *IBM Systems Journal*, 18(2):189–201, 1979. CODEN IBMSA7. ISSN 0018-8670.
- [Bra81] **Branscomb:1981:FHS**
L. M. Branscomb. Foreword: The human side of computers. *IBM Systems Journal*, 20(2):120–121, 1981. CODEN IBMSA7. ISSN 0018-8670.
- [Bre65] **Bresenham:1965:ACC**
J. E. Bresenham. Algorithm for computer control of a digital plotter. *IBM Systems Journal*, 4(1):25–30, 1965. CODEN IBMSA7. ISSN 0018-8670.
- [Bre71] **Brewer:1971:ISS**
A. C. Brewer. Interactive scheduling system. *IBM Sys-*

- tems Journal*, 10(1):62–79, 1971. CODEN IBMSA7. ISSN 0018-8670.
- [Bri90] R. N. Britcher. Re-engineering software: a case study. *IBM Systems Journal*, 29(4):551–567, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [Bri98] B. Briggs. Lotus eSuite. *IBM Systems Journal*, 37(3):372–385, 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/373/briggs.html>.
- [BRM02] M. Brodie, I. Rish, and S. Ma. Intelligent probing: a cost-effective approach to fault diagnosis in computer networks. *IBM Systems Journal*, 41(3):372–385, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/413/brodie.html>.
- [Bro68] S. H. Brown. Interactive graphics in data processing: Conversational job control. *IBM Systems Journal*, 7(3/4):271–280, 1968. CODEN IBMSA7. ISSN 0018-8670.
- [Bro80] L. Bronner. Overview of the capacity planning process for production data processing. *IBM Systems Journal*, 19(1):4–27, 1980. CODEN IBMSA7. ISSN 0018-8670.
- [Bro85] R. C. Brooks. Approach to high availability in high-transaction-rate systems. *IBM Systems Journal*, 24(3-4):279–293, 1985. CODEN IBMSA7. ISSN 0018-8670.
- [Bro91] P. Brown. Integrated hypertext and program understanding tools. *IBM Systems Journal*, 30(3):363–392, 1991. CODEN IBMSA7. ISSN 0018-8670.
- [BS67] R. D. Brennan and M. Y. Silberberg. Two continuous system modeling programs. *IBM Systems Journal*, 6(4):242–266, 1967. CODEN IBMSA7. ISSN 0018-8670.
- [BS83] R. M. Bailey and R. C. Soucy. Performance and availability measurement of the IBM Information Network. *IBM Systems Journal*, 23(4):404–416, 1983. CODEN IBMSA7. ISSN 0018-8670.
- [BS94] G. G. Bustamente and K. Sorenson. Decision support at Land’s End — an evolution. *IBM Systems Journal*, 33(2):228–238, 1994. CODEN IBMSA7. ISSN 0018-8670.

- 0018-8670. URL <http://www.research.ibm.com/journal/sj33-2.html#two>. G321-5540.
- Bhaskaran:2004:WBI**
- [BS04] K. Bhaskaran and M.-T. Schmidt. WebSphere business integration: An architectural overview. *IBM Systems Journal*, 43(2):238–253, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/432/bhaskaran.html>; <http://www.research.ibm.com/journal/sj/432/bhaskaran.pdf>; <http://www.research.ibm.com/journal/sj/432/bhaskaran.txt>.
- Borntrager:2005:PLS**
- [BS05] C. Bornträger and M. Schwidefsky. Providing Linux 2.6 support for the zSeries platform. *IBM Systems Journal*, 44(2):331–340, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/442/borntraeger.html>; <http://www.research.ibm.com/journal/sj/442/borntraeger.pdf>; <http://www.research.ibm.com/journal/sj/442/borntraeger.txt>.
- Brown:2001:TSK**
- [BSC+01] E. W. Brown, S. Srinivasan, A. Coden, D. Ponceleon, J. W. Cooper, and A. Amir. Toward speech as a knowledge resource. *IBM Systems Journal*, 40(4):985–1001, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/404/brown.html>; <http://www.research.ibm.com/journal/sj/404/brown.pdf>.
- Bigus:2002:ATB**
- [BSP+02] J. P. Bigus, D. A. Schlosnagle, J. R. Pilgrim, W. N. Mills III, and Y. Diao. ABLE: a toolkit for building multiagent autonomous systems. *IBM Systems Journal*, 41(3):350–371, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/413/bigus.html>.
- Branscomb:1984:EUS**
- Lewis M. Branscomb and John C. Thomas. Ease of use: a system design challenge. *IBM Systems Journal*, 23(3):224–235, 1984. CODEN IBMSA7. ISSN 0018-8670.
- Britton:1995:TNG**
- [BTB95] E. G. Britton, J. Tavs, and R. Bournas. TCP/IP: The next generation. *IBM Systems Journal*, 34(3):452–471, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-3.html#eight>.
- Buchholz:1963:FOA**
- [Buc63] Werner Buchholz. File organization and addressing. *IBM Systems Journal*, 2(1):86–111, June 1963. CODEN IBMSA7. ISSN 0018-8670. Comprehensive survey of hashing, with a

- good discussion of hash functions.
- [Buc69] **Buchholz:1969:SJM** W. Buchholz. A synthetic job for measuring system performance. *IBM Systems Journal*, 8(4):309–318, 1969. CODEN IBMSA7. ISSN 0018-8670.
- [Buc85] **Buckelew:1985:SPG** B. R. Buckelew. The system planning grid: a model for building integrated information systems. *IBM Systems Journal*, 24(3-4):294–306, 1985. CODEN IBMSA7. ISSN 0018-8670.
- [Buc86] **Buchholz:1986:ISV** W. Buchholz. The IBM System/370 vector architecture. *IBM Systems Journal*, 25(1):51–62, 1986. CODEN IBMSA7. ISSN 0018-8670.
- [Bun00] **Bunting:2000:BFM** R. Bunting. Bridging the framework modeling and implementation gap. *IBM Systems Journal*, 39(2):267–284, ??? 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/392/bunting.html>.
- [Bur80] **Burchi:1980:IGT** R. S. Burchi. Interactive graphics today. *IBM Systems Journal*, 19(3):292–313, 1980. CODEN IBMSA7. ISSN 0018-8670.
- [Bur96] **Burbeck:1996:RCM** S. L. Burbeck. Real-time complexity metrics for Smalltalk methods. *IBM Systems Journal*, 35(2):204–226, 1996. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj35-2.html#seven>.
- [Bux84] **Bux:1984:PIL** W. Bux. Performance issues in local-area networks. *IBM Systems Journal*, 23(4):351–374, 1984. CODEN IBMSA7. ISSN 0018-8670.
- [BVP93] **Boynton:1993:NCS** A. C. Boynton, B. Victor, and B. J. Pine, II. New competitive strategies: challenges to organizations and information technology. *IBM Systems Journal*, 32(1):40–64, 1993. CODEN IBMSA7. ISSN 0018-8670. G321-5502.
- [BW93] **Broadbent:1993:IBI** M. Broadbent and P. Weill. Improving business and information strategy alignment: Learning from the banking industry. *IBM Systems Journal*, 32(1):162–179, 1993. CODEN IBMSA7. ISSN 0018-8670. G321-5508.
- [CA95] **Cohen:1995:ASI** M. E. Cohen and D. S. Abensour. An ATM strategy for IBM networking systems. *IBM Systems Journal*, 34(4):554–563, 1995. CODEN IBMSA7. ISSN

0018-8670. URL <http://www.research.ibm.com/journal/sj34-4.html#two>.

Caffrey:2008:RCP

[Caf08]

James M. Caffrey. The resiliency challenge presented by soft failure incidents. *IBM Systems Journal*, 47(4):641–652, 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/474/caffrey.pdf>.

Calica:1965:FAOa

[Cal65a]

A. B. Calica. Fabrication and assembly operations, part II: Long-range planning techniques. *IBM Systems Journal*, 4(2):94–104, 1965. CODEN IBMSA7. ISSN 0018-8670.

Calica:1965:FAOb

[Cal65b]

A. B. Calica. Fabrication and assembly operations, part V: Production order sequencing. *IBM Systems Journal*, 4(3):225–240, 1965. CODEN IBMSA7. ISSN 0018-8670.

Callaway:1975:PMT

[Cal75]

Peter H. Callaway. Performance measurement tools for VM/370. *IBM Systems Journal*, 14(2):134–160, 1975. CODEN IBMSA7. ISSN 0018-8670.

Case:2006:EXS

[Cas06]

P. Case. Enhancing XML search with XQuery 1.0 and XPath 2.0 full-text. *IBM*

Systems Journal, 45(2):353–360, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/452/case.html>.

Cavin:1995:BMG

[Cav95]

J. M. Cavin. Books: “Asynchronous Transfer Mode: Solution for Broadband ISDN”, Second Edition, by Martin de Prycker. *IBM Systems Journal*, 34(2):324–325, 1995. CODEN IBMSA7. ISSN 0018-8670.

Cavallo:2000:EDL

[Cav00]

D. Cavallo. Emergent design and learning environments: Building on indigenous knowledge. *IBM Systems Journal*, 39(3/4):768–781, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part2/cavallo.html>; <http://www.research.ibm.com/journal/sj/393/part2/cavallo.pdf>; <http://www.research.ibm.com/journal/sj/393/part2/cavallo.txt>.

Crawford:2005:TDS

[CBC⁺05]

C. H. Crawford, G. P. Bate, L. Cherbakov, K. Holley, and C. Tsocanos. Toward an on demand service-oriented architecture. *IBM Systems Journal*, 44(1):81–107, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/441/crawford.html>; <http://www.research.ibm.com/journal/sj/441/crawford.pdf>.

- //www.research.ibm.com/journal/sj/441/crawford.pdf; <http://www.research.ibm.com/journal/sj/441/crawford.txt>.
- [CBC⁺06] **Chowdhary:2006:MDD** [CBG⁺07] P. Chowdhary, K. Bhaskaran, N. S. Caswell, H. Chang, T. Chao, S.-K. Chen, M. Dikun, H. Lei, J.-J. Jeng, S. Kapoor, C. A. Lang, G. Mihaila, I. Stanoi, and L. Zeng. Model driven development for business performance management. *IBM Systems Journal*, 45(3):587–605, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/453/chowdhary.html>.
- [CBCS08] **Clitherow:2008:CHA** David Clitherow, Michael Brookbanks, Nicolas Clayton, and Gail Spear. Combining high availability and disaster recovery solutions for critical IT environments. *IBM Systems Journal*, 47(4):563–575, 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/474/clitherow.pdf>.
- [CBG⁺82] **Chamberlin:1982:JID** [CC87] D. D. Chamberlin, O. P. Bertrand, M. J. Goodfellow, J. C. King, D. R. Slutz, S. J. P. Todd, and B. W. Wade. JANUS: an interactive document formatter based on declarative tags. *IBM Systems Journal*, 21(3):250–271, 1982.
- CODEN IBMSA7. ISSN 0018-8670.
- Cherbakov:2007:CCI** L. Cherbakov, A. Bravery, B. D. Goodman, A. Pandya, and J. Baggett. Changing the corporate IT development model: Tapping the power of grassroots computing. *IBM Systems Journal*, 46(4):??, October/December 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/464/cherbakov.html>.
- Chou:1992:AN** J. H. Chou, C. R. Buckman, T. Hemp, A. Himwich, and F. Niemi. AIX NetView/6000. *IBM Systems Journal*, 31(2):270–285, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5473.
- Chiu:1978:PMM** Willy W. Chiu and We-Min Chow. A performance model of MVS. *IBM Systems Journal*, 17(4):444–462, 1978. CODEN IBMSA7. ISSN 0018-8670.
- Chess:1987:LCC** David M. Chess and Mike Cowlshaw. A large-scale computer conferencing system. *IBM Systems Journal*, 26(1):138–153, January 1987. CODEN IBMSA7. ISSN 0018-8670.

- Clark:1989:ASP**
- [CC89] B. E. Clark and M. J. Corrigan. Application System/400 performance characteristics. *IBM Systems Journal*, 28(3):407–423, 1989. CODEN IBMSA7. ISSN 0018-8670.
- Colyer:2005:AOP**
- [CC05] A. Colyer and A. Clement. Aspect-oriented programming with AspectJ. *IBM Systems Journal*, 44(2):301–308, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/442/colyer.html>; <http://www.research.ibm.com/journal/sj/442/colyer.pdf>; <http://www.research.ibm.com/journal/sj/442/colyer.txt>. [CCO02]
- Chen:2008:DTD**
- [CCC+08] H. Chen, P. B. Chou, N. H. Cohen, S. S. Duri, and C. W. Jung. DRIVE: a tool for developing, deploying, and managing distributed sensor and actuator applications. *IBM Systems Journal*, 47(2):289–??, April/June 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/472/chen.html>. [CCT72]
- Capper:1994:IOO**
- [CCHJ94] Nigel P. Capper, Roger J. Colgate, Jim C. Hunter, and Martin F. James. The impact of object-oriented technology on software quality: Three case histories. *IBM Systems Journal*, 33(1):131–157, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-1.html#eight>. G321-5536.
- Chen:1978:SIS**
- [CCJ78] Richard L. Chen, Harlan Crowder, and Ellis L. Johnson. Solving the installation scheduling problem using mixed integer linear programming. *IBM Systems Journal*, 17(1):82–91, 1978. CODEN IBMSA7. ISSN 0018-8670.
- Cobleigh:2002:FFS**
- J. M. Cobleigh, L. A. Clarke, and L. J. Osterweil. FLAVERS: a finite state verification technique for software systems. *IBM Systems Journal*, 41(1):140–165, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/411/cobleigh.html>; <http://www.research.ibm.com/journal/sj/411/cobleigh.pdf>.
- Callaway:1972:UVS**
- [CCT72] P. H. Callaway, J. P. Considine, and C. H. Thompson. Uses of virtual storage systems in a scientific environment. *IBM Systems Journal*, 11(3):200–218, 1972. CODEN IBMSA7. ISSN 0018-8670.
- Chen:1968:IGD**
- [CD68] F. C. Chen and R. L. Dougherty. Interactive graphics

- in data processing: a system for implementing interactive applications. *IBM Systems Journal*, 7(3/4):257–270, 1968. CODEN IBMSA7. ISSN 0018-8670.
- [CDF⁺98] C. F. Codella, D. N. Dillenberger, D. F. Ferguson, R. D. Jackson, T. A. Mikalsen, and I. Silva-Lepe. Support for Enterprise JavaBeans in Component Broker. *IBM Systems Journal*, 37(4):502–538, 1998. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/374/codella.html>.
- [CDK⁺05] F. Curbera, M. J. Duftler, R. Khalaf, W. A. Nagy, N. Mukhi, and S. Weerawarana. Colombo: Lightweight middleware for service-oriented computing. *IBM Systems Journal*, 44(4):799–820, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/444/curbera.html>.
- [CDK08] Richard Cocchiara, Hugh Davis, and Doug Kinnaird. Data center topologies for mission-critical business systems. *IBM Systems Journal*, 47(4):695–706, 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/474/cocchiara.pdf>.
- [CDM⁺04] K. Chang, A. Dasari, H. Madduri, A. Mendoza, and J. Mims. Design of an enablement process for on demand applications. *IBM Systems Journal*, 43(1):190–203, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/431/chang.pdf>.
- [CdVF⁺06] S. Chandra, J. de Vries, J. Field, H. Hess, M. Kalidasan, K. V. Raghavan, F. Nieuwerth, G. Ramalingam, and J. Xue. Using logical data models for understanding and transforming legacy business applications. *IBM Systems Journal*, 45(3):647–655, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/453/chandra.html>.
- [CEH⁺94] M. P. Consens, F. Ch. Eigler, M. Z. Hasan, A. O. Mendelzon, E. G. Noik, A. G. Ryman, and D. Vista. Architecture and applications of the hy+ visualization system. *IBM Systems Journal*, 33(3):458–476, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-3.html#six>. G321-5551.
- [Cen67] A. R. Cenfetelli. Data management concepts for DOS/360

- and TOS/360. *IBM Systems Journal*, 6(1):22–37, 1967. CODEN IBMSA7. ISSN 0018-8670. [CFL05]
- Casey:1990:IFP**
- [CF90] R. G. Casey and D. R. Ferguson. Intelligent Forms Processing. *IBM Systems Journal*, 29(3):435–450, 1990. CODEN IBMSA7. ISSN 0018-8670.
- Cortada:2005:MFS**
- [CF05] J. W. Cortada and H. E. Fraser. Mapping the future in science-intensive industries: Lessons from the pharmaceutical industry. *IBM Systems Journal*, 44(1):163–183, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/441/cortada.html>; <http://www.research.ibm.com/journal/sj/441/cortada.pdf>; <http://www.research.ibm.com/journal/sj/441/cortada.txt>. [CFL+06]
- Capek:2005:HIO**
- [CFGS05] P. G. Capek, S. P. Frank, S. Gerdt, and D. Shields. A history of IBM’s open-source involvement and strategy. *IBM Systems Journal*, 44(2):249–257, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/442/capek.html>; <http://www.research.ibm.com/journal/sj/442/capek.pdf>; <http://www.research.ibm.com/journal/sj/442/capek.txt>.
- Cabri:2005:IRJ**
- G. Cabri, L. Ferrari, and L. Leonardi. Injecting roles in Java agents through runtime bytecode manipulation. *IBM Systems Journal*, 44(1):185–208, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/441/cabri.html>; <http://www.research.ibm.com/journal/sj/441/cabri.pdf>; <http://www.research.ibm.com/journal/sj/441/cabri.txt>.
- Cozzi:2006:AMW**
- A. Cozzi, S. Farrell, T. Lau, B. A. Smith, C. Drews, J. Lin, B. Stachel, and T. P. Moran. Activity management as a Web service. *IBM Systems Journal*, 45(4):695–712, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/454/cozzi.html>.
- Corbett:1995:PFS**
- P. F. Corbett, D. G. Feitelson, J.-P. Prost, G. S. Almasi, S. J. Baylor, A. S. Bolmarcich, Y. Hsu, J. Satran, M. Snir, R. Colao, B. D. Herr, J. Kavaky, T. R. Morgan, and A. Zlotek. Parallel file systems for the IBM SP computers. *IBM Systems Journal*, 34(2):222–248, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-2.html#six>.

- [CFS81] **Christensen:1981:PSS**
Ken Christensen, George P. Fitsos, and Charles P. Smith. A perspective on software science. *IBM Systems Journal*, 20(4):372–387, 1981. CODEN IBMSA7. ISSN 0018-8670.
- [CG77] **Cole:1977:IRD**
Henderson Cole and Anthony A. Guido. The IBM 5100 and the Research Device Coupler—A personal laboratory automation system. *IBM Systems Journal*, 16(1):41–53, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [CGG90] **Chroust:1990:RWM**
G. Chroust, H. Goldmann, and O. Gschwandtner. The role of work management in application development. *IBM Systems Journal*, 29(2):189–208, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [CGH⁺05] **Cherbakov:2005:ISO**
L. Cherbakov, G. Galambos, R. Harishankar, S. Kalyana, and G. Rackham. Impact of service orientation at the business level. *IBM Systems Journal*, 44(4):653–668, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/444/cherbakov.html>.
- [CGHK98] **Cheng:1998:SAI**
P.-C. Cheng, J. A. Garay, A. Herzberg, and H. Krawczyk. A security architecture for the Internet Protocol. *IBM Systems Journal*, 37(1):42–60, 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/371/cheng.html>.
- [CGP68] **Conti:1968:SAS**
C. J. Conti, D. H. Gibson, and S. H. Pitkowsky. Structural aspects of the SYSTEM/360 model 85, part I: General organization. *IBM Systems Journal*, 7(1):2–14, 1968. CODEN IBMSA7. ISSN 0018-8670.
- [CGRW07] **Chow:2007:ECC**
A. W. Chow, B. D. Goodman, J. W. Rooney, and C. D. Wyble. Engaging a corporate community to manage technology and embrace innovation. *IBM Systems Journal*, 46(4):??, October/December 2007. CODEN IBMSA7. ISSN 0018-8670.
- [CGV⁺02] **Chessell:2002:ECT**
M. Chessell, C. Griffin, D. Vines, M. Butler, C. Ferreira, and P. Henderson. Extending the concept of transaction compensation. *IBM Systems Journal*, 41(4):743–758, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/414/chessell.pdf>.
- [CH85] **Carpenter:1985:QEI**
M. B. Carpenter and H. K. Hallman. Quality emphasis at

- IBM's Software Engineering Institute. *IBM Systems Journal*, 24(2):121–133, 1985. CODEN IBMSA7. ISSN 0018-8670.
- [CH06] K. Czarnecki and S. Helsen. Feature-based survey of model transformation approaches. *IBM Systems Journal*, 45(3):621–645, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/453/czarnecki.html>.
- [CH07] J. Christensen and B. Hughes. Voice-enabled IT transformation: The new voice technologies. *IBM Systems Journal*, 46(4):??, October/December 2007. CODEN IBMSA7. ISSN 0018-8670.
- [Cha66] W. Chang. A queuing model for a simple case of time sharing. *IBM Systems Journal*, 5(2):115–125, 1966. CODEN IBMSA7. ISSN 0018-8670.
- [Cha70] W. Chang. Single-server queuing processes in computing systems. *IBM Systems Journal*, 9(1):36–71, 1970. CODEN IBMSA7. ISSN 0018-8670.
- [Cha89] D. A. Charland. The Application System/400 help facility—design philosophy and considerations. *IBM Systems Journal*, 28(3):424–442, 1989. CODEN IBMSA7. ISSN 0018-8670.
- [Cha02] D. Chamberlin. XQuery: An XML query language. *IBM Systems Journal*, 41(4):597–615, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/414/chamberlin.pdf>.
- [Che69] P. S. Cheng. Trace-driven system modeling. *IBM Systems Journal*, 8(4):280–289, 1969. CODEN IBMSA7. ISSN 0018-8670.
- [Che84] David M. Chess. A tight coupling of workstations. *IBM Systems Journal*, 23(3):255–263, 1984. CODEN IBMSA7. ISSN 0018-8670.
- [Che01] P.-C. Cheng. An architecture for the Internet Key Exchange Protocol. *IBM Systems Journal*, 40(3):721–746, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/403/cheng.html>; <http://www.research.ibm.com/journal/sj/403/cheng.pdf>.
- [CHL⁺00] R. Christ, S. L. Halter, K. Lynne, S. Meizer, S. J. Munroe, and M. Pasch. San Francisco performance: a

- case study in performance for large-scale Java applications. *IBM Systems Journal*, 39(1): 4–20, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/391/christ.html>. [CJ04]
- Christensen:1995:LAN**
- [CHNS95] K. J. Christensen, L. C. Haas, F. E. Noel, and N. C. Strole. Local area networks — evolving from shared to switched access. *IBM Systems Journal*, 34(3):347–374, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-3.html#three>.
- Chess:2007:PSI**
- [CHPW07] D. M. Chess, J. E. Hanson, J. A. Pershing, Jr., and S. R. White. Prospects for simplifying ITSM-based management through self-managing resources. *IBM Systems Journal*, 46(3):599–??, July/September 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/463/chess.html>.
- Church:1963:RGE**
- [Chu63] F. L. Church. Requirements generation, explosions, and bills of material. *IBM Systems Journal*, 2:268–287, September/December 1963. CODEN IBMSA7. ISSN 0018-8670. [CKB89]
- Carpenter:2004:AIS**
- B. E. Carpenter and P. A. Janson. Abstract interdomain security assertions: a basis for extra-grid virtual organizations. *IBM Systems Journal*, 43(4):689–701, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/434/carpenter.html>; <http://www.research.ibm.com/journal/sj/434/carpenter.pdf>; <http://www.research.ibm.com/journal/sj/434/carpenter.txt>.
- Crowston:1998:CCM**
- [CK98] K. Crowston and E. E. Kammerer. Coordination and collective mind in software requirements development. *IBM Systems Journal*, 37(2):227–245, 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/372/crowston.html>.
- Cox:2005:MSO**
- [CK05] D. E. Cox and H. Kreger. Management of the service-oriented-architecture life cycle. *IBM Systems Journal*, 44(4): 709–726, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/444/cox.html>.
- Cohen:1989:SHE**
- E. I. Cohen, G. M. King, and

- J. T. Brady. Storage hierarchies (Enterprise Systems Architecture/370). *IBM Systems Journal*, 28(1):62–76, 1989. CODEN IBMSA7. ISSN 0018-8670. [Cla89]
- Cody:2002:IBI**
- [CKKS02] W. F. Cody, J. T. Kreulen, V. Krishna, and W. S. Spangler. The integration of business intelligence and knowledge management. *IBM Systems Journal*, 41(4):697–713, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/414/cody.pdf>. [Cle89]
- Clark:1966:FSO**
- [Cla66] W. A. Clark. The functional structure of OS/360, part III: Data management. *IBM Systems Journal*, 5(1):30–51, 1966. CODEN IBMSA7. ISSN 0018-8670. [CLR98]
- Clark:1981:SST**
- [Cla81] I. A. Clark. Software simulation as a tool for usable product design. *IBM Systems Journal*, 20(3):272–293, 1981. CODEN IBMSA7. ISSN 0018-8670.
- Clarkson:1985:SGI**
- [Cla85] T. B. Clarkson, III. Standardized graphics on the IBM Personal Computer. *IBM Systems Journal*, 24(1):3–13, 1985. CODEN IBMSA7. ISSN 0018-8670. [CLS88]
- Clark:1989:FEM**
- C. E. Clark. The facilities and evolution of MVS/ESA (operating system). *IBM Systems Journal*, 28(1):124–150, 1989. CODEN IBMSA7. ISSN 0018-8670.
- Cleveland:1989:PUS**
- L. Cleveland. A program understanding support environment. *IBM Systems Journal*, 28(2):324–344, 1989. CODEN IBMSA7. ISSN 0018-8670.
- Clements:1995:BDP**
- Paul C. Clements. Books: “The Mythical Man-Month — Essays on Software Engineering”, 20th anniversary edition, by Frederick P. Brooks, Jr. *IBM Systems Journal*, 34(3):545–547, 1995. CODEN IBMSA7. ISSN 0018-8670.
- Chamberland:1998:IVJ**
- L. A. Chamberland, S. F. Lymer, and A. G. Ryman. IBM VisualAge for Java. *IBM Systems Journal*, 37(3):386–408, 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/373/chamberland.html>.
- Clementi:1988:IPP**
- E. Clementi, D. Logan, and J. Saarinen. ICAP/3090: parallel processing for large-scale scientific and engineering problems. *IBM Systems Journal*,

- 27(4):475–509, November 1988. CODEN IBMSA7. ISSN 0018-8670.
- [CLSW84] Josephine M. Cheng, Christopher R. Loosley, Akira Shibamiya, and Patricia S. Worthington. IBM database 2 performance: Design, implementation, and tuning. *IBM Systems Journal*, 23(2):189–210, 1984. CODEN IBMSA7. ISSN 0018-8670.
- [CM77] James P. Considine and James J. Myers. MARC: MVS Archival Storage and Recovery program. *IBM Systems Journal*, 16(4):378–397, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [CM88] P. Y. Chang and W. W. Myre. OS/2 EE database manager overview and technical highlights. *IBM Systems Journal*, 27(2):105–118, June 1988. CODEN IBMSA7. ISSN 0018-8670.
- [CMCD94] J. M. Cheng, N. M. Mattos, D. D. Chamberlin, and L. G. DeMichiel. Extending relational database technology for new applications. *IBM Systems Journal*, 33(2):264–279, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-2.html#four>. G321-5542.
- [CMR02] N. Colossi, W. Malloy, and B. Reinwald. Relational extensions for OLAP. *IBM Systems Journal*, 41(4):714–731, ??? 2002. CODEN IBMSA7. ISSN 0018-8670.
- [CMW87] R. Q. Cordell, II, M. Misra, and R. F. Wolfe. Advanced Interactive Executive program development environment. *IBM Systems Journal*, 26(4):361–382, 1987. CODEN IBMSA7. ISSN 0018-8670.
- [CN79] Frank P. Corr and Don H. Neal. SNA and emerging international standards. *IBM Systems Journal*, 18(2):244–262, 1979. CODEN IBMSA7. ISSN 0018-8670.
- [CN08] R. J. Clarke and A. G. Nilsson. Business services as communication patterns: a work practice approach for analyzing service encounters. *IBM Systems Journal*, 47(1):129–??, January/March 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/471/clarke.html>.
- [CNL08] Ing-Yi (Eric) Chen, Guo-Kai (Ken) Ni, and Chau-Young (Ivan) Lin. A runtime-adaptable service bus design

Colossi:2002:REO**Cheng:1984:IDP****Cordell:1987:AIE****Considine:1977:MMA****Corr:1979:SEI****Chang:1988:OED****Clarke:2008:BSC****Cheng:1994:ERD****Chen:2008:RAS**

- for telecom operations support systems. *IBM Systems Journal*, 47(3):445–456, 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/473/chen.pdf>.
- [CNS+08] N. S. Caswell, C. Nikolaou, J. Sairamesh, M. Bitsaki, G. D. Koutras, and G. Iacovidis. Estimating value in service systems: a case study of a repair service system. *IBM Systems Journal*, 47(1):87–??, January/March 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/471/caswell.html>.
- [COC63] H. Cole, Y. Okaya, and F. W. Chambers. A computer-operated laboratory data-taking system. *IBM Systems Journal*, 2:240–247, September/December 1963. CODEN IBMSA7. ISSN 0018-8670.
- [Coc93] A. A. R. Cockburn. The impact of object-orientation on application development. *IBM Systems Journal*, 32(3):420–444, 1993. CODEN IBMSA7. ISSN 0018-8670. G321-5519.
- [Coc99] A. A. R. Cockburn. The impact of object-orientation on application development. *IBM Systems Journal*, 38(2–3):308–334, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/382/cockburn.pdf>. Reprinted from [Coc93].
- [Col74] H. Cole. System/7 in a hierarchical laboratory automation system. *IBM Systems Journal*, 13(4):307–324, 1974. CODEN IBMSA7. ISSN 0018-8670.
- [Col95] J. A. Colosimo. Technical forum: The role of IBM’s Open Blueprint approach in distributed computing. *IBM Systems Journal*, 34(1):138–141, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-1.html>.
- [Com68] P. G. Comba. Interactive graphics in data processing: a language for three-dimensional geometry. *IBM Systems Journal*, 7(3/4):292–307, 1968. CODEN IBMSA7. ISSN 0018-8670.
- [Com90] P. G. Comba. Exponentiation cryptosystems on the IBM PC. *IBM Systems Journal*, 29(4):526–538, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [Con97] D. Connolly. Technical forum: IBM’s electronic com-

- merce solution: Commerce-POINT. *IBM Systems Journal*, 36(1):??, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/361/connolly.html>. [Cra78]
- Cooper:1980:CPM**
- [Coo80] J. C. Cooper. A capacity planning methodology. *IBM Systems Journal*, 19(1):28–45, 1980. CODEN IBMSA7. ISSN 0018-8670. [Cra95]
- Corbi:1989:PUC**
- [Cor89] T. A. Corbi. Program understanding: Challenge for the 1990s. *IBM Systems Journal*, 28(2):294–306, 1989. CODEN IBMSA7. ISSN 0018-8670. [Cre68]
- Cowlishaw:1984:DRL**
- [Cow84] M. F. Cowlishaw. The design of the REXX language. *IBM Systems Journal*, 23(4):326–335, 1984. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/234/ibmsj2304D.pdf>. First published as IBM Hursley Technical Report TR12.223, October 1983. [CRTW88]
- Chess:2003:SAC**
- [CPW03] D. M. Chess, C. C. Palmer, and S. R. White. Security in an autonomic computing environment. *IBM Systems Journal*, 42(1):107–118, ??? 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/421/chess.pdf>. [Cra78]
- Crabtree:1978:JN**
- Robert P. Crabtree. Job networking. *IBM Systems Journal*, 17(3):206–220, 1978. CODEN IBMSA7. ISSN 0018-8670. [Craft:1995:BGC]
- Craft:1995:BGC**
- D. J. Craft. Books: “Managing Gigabytes: Compressing and Indexing Documents and Images”, by Ian H. Witten, Alistair Moffat, and Timothy C. Bell. *IBM Systems Journal*, 34(2):323–324, 1995. CODEN IBMSA7. ISSN 0018-8670. [Creasy:1968:IGD]
- Creasy:1968:IGD**
- R. J. Creasy. Interactive graphics in data processing: Neutron cross-section evaluation. *IBM Systems Journal*, 7(3/4):355–364, 1968. CODEN IBMSA7. ISSN 0018-8670. [Cook:1988:WOS]
- Cook:1988:WOS**
- [CRTW88] R. L. Cook, F. L. Rawson, III, J. A. Tunkel, and R. L. Williams. Writing an Operating System/2 application. *IBM Systems Journal*, 27(2):134–157, June 1988. CODEN IBMSA7. ISSN 0018-8670. [Crus:1984:DRI]
- Crus:1984:DRI**
- [Cru84] Richard A. Crus. Data recovery in IBM Database 2. *IBM Systems Journal*, 23(2):178–188, 1984. CODEN IBMSA7. ISSN 0018-8670.

Chandersekaran:1976:FVM

- [CS76] C. S. Chandersekaran and K. S. Shankar. Forum: On virtual machine integrity. *IBM Systems Journal*, 15(3):264–269, 1976. CODEN IBMSA7. ISSN 0018-8670. See [DM75, DM76].

Chao:1996:ENT

- [CT96] W. Chao and W. Tsun. Event-driven network topology monitoring function. *IBM Systems Journal*, 35(1):25–36, 1996. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj35-1.html#three>.

Cullum:1976:TSS

- [Cul76] Phillip G. Cullum. The transmission subsystem in Systems Network Architecture. *IBM Systems Journal*, 15(1):24–38, 1976. CODEN IBMSA7. ISSN 0018-8670. See erratum [Ano76j].

Chang:1965:CCI

- [CW65] W. Chang and D. J. Wong. Computer channel interference analysis. *IBM Systems Journal*, 4(2):162–170, 1965. CODEN IBMSA7. ISSN 0018-8670.

Chess:1981:VRL

- [CW81] David M. Chess and Gerald Waldbaum. The VM/370 Resource Limiter. *IBM Systems Journal*, 20(4):424–437, 1981. CODEN IBMSA7. ISSN 0018-8670.

Clark:1986:VSP

- [CW86] R. S. Clark and T. L. Wilson. Vector system performance of the IBM 3090. *IBM Systems Journal*, 25(1):63–82, 1986. CODEN IBMSA7. ISSN 0018-8670.

Cypser:1992:EOC

- [Cyp92] R. J. Cypser. Evolution of an open communications architecture. *IBM Systems Journal*, 31(2):161–188, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5468.

dArielli:1989:MMS

- [d'A89] L. d'Arielli. A message management system for personal computers. *IBM Systems Journal*, 28(3):479–493, 1989. CODEN IBMSA7. ISSN 0018-8670.

Davenport:2000:SSC

- [DAB+00] G. Davenport, S. Agamalis, B. Barry, B. Bradley, and K. Brooks. Synergistic storyscapes and constructionist cinematic sharing. *IBM Systems Journal*, 39(3/4):456–469, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part1/davenport.html>; <http://www.research.ibm.com/journal/sj/393/part1/davenport.pdf>; <http://www.research.ibm.com/journal/sj/393/part1/davenport.txt>.

- [DAK00] **Dimpsey:2000:JSP**
R. Dimpsey, R. Arora, and K. Kuiper. Java server performance: a case study of building efficient, scalable JVMs. *IBM Systems Journal*, 39(1): 151–174, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/391/dimpsey.html>.
- [Dav70] **Darga:1970:OIU**
K. Darga. On-line inquiry under a small-system operating system. *IBM Systems Journal*, 9(1):2–11, 1970. CODEN IBMSA7. ISSN 0018-8670.
- [Dav72] **Davies:1972:RM**
P. M. Davies. Readings in microprogramming. *IBM Systems Journal*, 11(1):16–40, 1972. CODEN IBMSA7. ISSN 0018-8670.
- [Dav78] **Davies:1978:DPS**
Charles T. Davies, Jr. Data processing spheres of control. *IBM Systems Journal*, 17(2):179–198, 1978. CODEN IBMSA7. ISSN 0018-8670.
- [Dav82] **Davis:1982:SIR**
G. B. Davis. Strategies for information requirements determination. *IBM Systems Journal*, 21(1):4–30, 1982. CODEN IBMSA7. ISSN 0018-8670.
- [Dav93] **Davidson:1993:BRT**
W. H. Davidson. Beyond re-engineering: The three phases of business transformation. *IBM Systems Journal*, 32(1): 65–79, 1993. CODEN IBMSA7. ISSN 0018-8670. G321-5503.
- [Dav99] **Davidson:1999:BRE**
W. H. Davidson. Beyond re-engineering: The three phases of business transformation. *IBM Systems Journal*, 38(2–3):485–501, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/382/davidson.pdf>. Reprinted from [Dav93].
- [Day70] **Day:1970:CAD**
W. H. E. Day. Compiler assignment of data items to registers. *IBM Systems Journal*, 9(4):281–317, 1970. CODEN IBMSA7. ISSN 0018-8670.
- [DB08] **Davis:2008:SSC**
M. M. Davis and I. Berdrow. Service science: Catalyst for change in business school curricula. *IBM Systems Journal*, 47(1):29–??, January/March 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/471/davis.html>.
- [DBC+00] **Dillenberger:2000:BJV**
D. Dillenberger, R. Bordawekar, C. W. Clark, D. Durand, D. Emmes, O. Gohda, S. Howard, M. F. Oliver, F. Samuel, and R. W. St. John. Building a Java virtual machine for server applications: The

- JVM on OS/390. *IBM Systems Journal*, 39(1):194–210, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/391/dillenberger.html>.
- [DCB⁺01] S. B. Davidson, J. Crabtree, B. P. Brunk, J. Schug, V. Tannen, G. C. Overton, and C. J. Stoeckert, Jr. K2/Kleisli and GUS: Experiments in integrated access to genomic data sources. *IBM Systems Journal*, 40(2):512–531, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/402/davidson.html>; <http://www.research.ibm.com/journal/sj/402/davidson.pdf>; <http://www.research.ibm.com/journal/sj/402/davidson.txt>.
- [DCH⁺03] M. R. Dillon, P. M. Collins, P. R. Hurley, J. E. Handlin, and S. A. Reed. Technical note — the IBM TotalStorage Enterprise Storage Server: Testing for general availability and beyond. *IBM Systems Journal*, 42(2):373–382, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/422/dillon.pdf>.
- [DD64] I. Delgalvis and G. Davison. Storage requirements for a data exchange. *IBM Systems Journal*, 3(1):2–13, 1964. CODEN IBMSA7. ISSN 0018-8670.
- [DDK⁺01] A. Dan, D. M. Dias, R. Kearney, T. C. Lau, T. N. Nguyen, F. N. Parr, M. W. Sachs, and H. H. Shaikh. Business-to-business integration with tpaML and a business-to-business protocol framework. *IBM Systems Journal*, 40(1):68–90, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/401/dan.html>.
- [DDMS95] A. S. Debelack, J. D. Dehn, L. L. Muchinsky, and D. M. Smith. Next generation air traffic control automation. *IBM Systems Journal*, 34(1):63–77, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-1.html#five>.
- [DDK⁺04] A. Dan, D. Davis, R. Kearney, A. Keller, R. King, D. Kuebler, H. Ludwig, M. Polan, M. Spreitzer, and A. Youssef. Web services on demand: WSLA-driven automated management. *IBM Systems Journal*, 43(1):136–158, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/431/dan.pdf>.

Dan:2001:BBI**Davidson:2001:KKG****Dan:2004:WSD****Dillon:2003:TNI****Debelack:1995:NGA****Delgalvis:1964:SRD**

- [DDMS97] **Dan:1997:MRM**
 A. Dan, S. Dulin, S. Marcotte, and D. Sitaram. Multimedia resource management in OS/390 LAN Server. *IBM Systems Journal*, 36(3):393–410, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/363/dan.html>.
- [Dea82] **Dean:1982:HCS**
 Morris Dean. How a computer should talk to people. *IBM Systems Journal*, 21(4):424–453, 1982. CODEN IBMSA7. ISSN 0018-8670.
- [DEA99] **Dryer:1999:WCP**
 D. C. Dryer, C. Eisbach, and W. S. Ark. At what cost pervasive? A social computing view of mobile computing systems. *IBM Systems Journal*, 38(4):652–676, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/384/dryer.html>.
- [Dei82] **Deitch:1982:AQM**
 Martin Deitch. Analytic queuing model for CICS capacity planning. *IBM Systems Journal*, 21(4):454–470, 1982. CODEN IBMSA7. ISSN 0018-8670.
- [Dei92] **Deinhart:1992:SDF**
 K. Deinhart. SAA distributed file access to the CICS environment. *IBM Systems Journal*, 31(3):516–534, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5484.
- [DeM68] **DeMatteis:1968:ELT**
 J. J. DeMatteis. An economic lot-sizing technique, part I: The part-period algorithm. *IBM Systems Journal*, 7(1):30–38, 1968. CODEN IBMSA7. ISSN 0018-8670.
- [Dem88] **Demers:1988:DFS**
 R. A. Demers. Distributed files for SAA. *IBM Systems Journal*, 27(3):348–361, 1988. CODEN IBMSA7. ISSN 0018-8670.
- [Den03] **Denneau:2003:B**
 Monty M. Denneau. Books. *IBM Systems Journal*, 42(1):196–197, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/421/books.pdf>.
- [DeS81] **DeSousa:1981:EII**
 M. R. DeSousa. Electronic information interchange in an office environment. *IBM Systems Journal*, 20(1):4–22, 1981. CODEN IBMSA7. ISSN 0018-8670.
- [Dev67] **Devereaux:1967:AMS**
 J. A. Devereaux. An application-oriented multiprocessing system, part III: Control program features. *IBM Systems Journal*, 6(2):95–102, 1967. CODEN IBMSA7. ISSN 0018-8670.

- [Dew90] **Dewell:1990:CSP**
M. E. Dewell. Cross System Product application generator: Application design. *IBM Systems Journal*, 29(2):265–273, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [DF63] **Dimsdale:1963:PES**
B. Dimsdale and H. P. Flatt. Project evaluation and selection. *IBM Systems Journal*, 2: 200–217, September/December 1963. CODEN IBMSA7. ISSN 0018-8670.
- [DF07] **Delbaere:2007:ADA**
M. Delbaere and R. Ferreira. Addressing the data aspects of compliance with industry models. *IBM Systems Journal*, 46(2):319–??, ??? 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/462/delbaere.html>.
- [DFGS92] **Demers:1992:IID**
R. A. Demers, J. D. Fisher, S. S. Gaitonde, and R. R. Sanders. Inside IBM’s Distributed Data Management architecture. *IBM Systems Journal*, 31(3):459–487, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5482.
- [DFHS90] **Davis:1990:GAI**
A. G. Davis, J. R. Friedman, M. J. Haims, and G. C. Stierhoff. Guidelines for authors of the IBM Systems Journal. *IBM Systems Journal*, 29(4):568–574, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [DFS94] **Davis:1994:AGI**
A. G. Davis, J. R. Friedman, and C. R. Seddon. Author guidelines for the IBM Systems Journal. *IBM Systems Journal*, 33(4):692–699, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sjaulong.html>. G321-5554.
- [DGK96] **Davis:1996:CGS**
M. E. Davis, J. D. Grimes, and D. J. Knoles. Creating global software: Text handling and localization in Taligent’s CommonPoint application system. *IBM Systems Journal*, 35(2):227–243, 1996. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj35-2.html#eight>.
- [DH83] **Deaton:1983:XRR**
George A. Deaton, Jr. and Richard A. Hippert, Jr. X.25 and related recommendations in IBM products. *IBM Systems Journal*, 23(1-2):11–29, 1983. CODEN IBMSA7. ISSN 0018-8670.
- [DHB⁺06] **Deen:2006:RQI**
G. Deen, M. Hammer, J. Bethencourt, I. Eiron, J. Thomas, and J. H. Kaufman. Running Quake II on a grid. *IBM Systems Journal*, 45(1):21–44, ??? 2006. CODEN IBMSA7. ISSN

- 0018-8670. URL <http://www.research.ibm.com/journal/sj/451/deen.html>. [DHS89]
- Dube:2008:HHM**
- [DHK⁺08] P. Dube, N. Halim, K. Karenos, M. Kim, Z. Liu, S. Parthasarathy, D. Pendarakis, and H. Yang. Harmony: Holistic messaging middleware for event-driven systems. *IBM Systems Journal*, 47(2):281–??, April/June 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/472/dube.html>. [Dim63]
- Diao:2002:UFC**
- [DHP02] Y. Diao, J. L. Hellerstein, and S. Parekh. Using fuzzy control to maximize profits in service level management. *IBM Systems Journal*, 41(3):403–420, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/413/diao.html>. [DK74]
- Diao:2003:MWS**
- [DHPB03] Y. Diao, J. L. Hellerstein, S. Parekh, and J. P. Bigus. Managing Web server performance with AutoTune agents. *IBM Systems Journal*, 42(1):136–149, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/421/diao.pdf>. [DK79a]
- Davis:1989:P**
- Al Davis, Murray Heims, and George Stierhoff. Preface. *IBM Systems Journal*, 28(1):2–3, 1989. CODEN IBMSA7. ISSN 0018-8670. [DK79b]
- Dimsdale:1963:CCM**
- B. Dimsdale. Computer construction of minimal project networks. *IBM Systems Journal*, 2:24–36, March 1963. CODEN IBMSA7. ISSN 0018-8670. [DK79b]
- Donnan:1974:SDL**
- R. A. Donnan and J. R. Kersey. Synchronous data link control: a perspective. *IBM Systems Journal*, 13(2):140–162, 1974. CODEN IBMSA7. ISSN 0018-8670. [DK79b]
- Doherty:1979:FAR**
- W. J. Doherty and R. P. Kelsky. Forum: Authors’ response. *IBM Systems Journal*, 18(4):605–607, 1979. CODEN IBMSA7. ISSN 0018-8670. See [DK79b, Rei79]. [DK79b]
- Doherty:1979:MVS**
- W. J. Doherty and R. P. Kelsky. Managing VM/CMS systems for user effectiveness. *IBM Systems Journal*, 18(1):143–163, 1979. CODEN IBMSA7. ISSN 0018-8670. See letters [Rei79, DK79a]. [DK79b]
- Duan:2001:CPF**
- Y. Duan and P. A. Kollman. Computational protein fold-

- ing: From lattice to all-atom. *IBM Systems Journal*, 40(2): 297–308, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/402/duan.html>; <http://www.research.ibm.com/journal/sj/402/duan.pdf>; <http://www.research.ibm.com/journal/sj/402/duan.txt>. [DM64]
- [dL78] **deFreitas:1978:MTA** Simplicio Lopes de Freitas and Pierre J. Lavell. A method for the time analysis of programs. *IBM Systems Journal*, 17(1): 26–38, 1978. CODEN IBMSA7. ISSN 0018-8670.
- [DL89] **Dadam:1989:AIM** [DM75] P. Dadam and V. Linne-
mann. Advanced Information Management (AIM): advanced database technology for integrated applications. *IBM Systems Journal*, 28(4):661–681, 1989. CODEN IBMSA7. ISSN 0018-8670.
- [dLMSC89] **deLima:1989:GIE** [DM76] A. H. V. de Lima, R. C. B. Martins, R. Stern, and L. M. F. Carneiro. GARDEN—an integrated and evolving environment for ULSI/VLSI CAD applications. *IBM Systems Journal*, 28(4):580–599, 1989. CODEN IBMSA7. ISSN 0018-8670. [DM88]
- [DLP⁺05] **Pauw:2005:WSN** W. De Pauw, M. Lei, E. Pring, L. Villard, M. Arnold, and J. F. Morar. Web Services Navigator: Visualizing the execution of Web Services. *IBM Systems Journal*, 44(4):821–845, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/444/depauw.html>.
- Dimsdale:1964:DSL** B. Dimsdale and H. M. Markowitz. A description of the SIMSCRIPT language. *IBM Systems Journal*, 3(1):57–67, 1964. CODEN IBMSA7. ISSN 0018-8670.
- Donovan:1975:HAC** John J. Donovan and S. E. Madnick. Hierarchical approach to computer system integrity. *IBM Systems Journal*, 14(2):188–202, 1975. CODEN IBMSA7. ISSN 0018-8670. See letters [CS76, DM76].
- Donovan:1976:FAR** J. J. Donovan and S. E. Madnick. Forum: Authors’ reply. *IBM Systems Journal*, 15(3):270–278, 1976. CODEN IBMSA7. ISSN 0018-8670. See [DM75, CS76].
- Devlin:1988:ABI** B. A. Devlin and P. T. Murphy. An architecture for a business and information system. *IBM Systems Journal*, 27(1): 60–80, January 1988. CODEN IBMSA7. ISSN 0018-8670.

- [dM93] **deBry:1993:AFP**
R. K. deBry and M. W. Munger. Advanced Function Printing—from print to presentation. *IBM Systems Journal*, 32(4):647–664, 1993. CODEN IBMSA7. ISSN 0018-8670. G321-5528.
- [DM97] **Davenport:1997:ASS**
G. Davenport and M. Murtaugh. Automatist storyteller systems and the shifting sands of story. *IBM Systems Journal*, 36(3):446–456, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/363/davenport.html>.
- [DM99] **Dimsdale:1999:DSL**
B. Dimsdale and H. M. Markowitz. A description of the SIMSCRIPT language. *IBM Systems Journal*, 38(2–3):151–161, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/382/dimsdale.pdf>. Reprinted from [DM64].
- [DMB⁺06] **DAmora:2006:HPS**
B. D’Amora, K. Magerlein, A. Binstock, A. Nanda, and B. Yee. High-performance server systems and the next generation of online games. *IBM Systems Journal*, 45(1):103–118, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/451/damora.html>.
- [DMMR92] **Dauphin:1992:ETR**
M. Dauphin, M. M. Marques, A. P. Mullery, and P. Rodier. The European telecommunications research and development program RACE and its software project SPECS. *IBM Systems Journal*, 31(4):649–667, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5491.
- [dMR03] **Mes:2003:TNW**
A. de Mes and E. Rongen. Technical note—Web Service Credentials. *IBM Systems Journal*, 42(3):532–537, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/423/demes.pdf>.
- [DMRS88] **Dunfee:1988:DSA**
W. P. Dunfee, J. D. McGehe, R. C. Rauf, and K. O. Shipp. Designing SAA applications and user interfaces. *IBM Systems Journal*, 27(3):325–347, 1988. CODEN IBMSA7. ISSN 0018-8670.
- [DO84] **Dash:1984:IDI**
Jnan R. Dash and Robert N. Ojala. IBM Database 2 in an Information Management System environment. *IBM Systems Journal*, 23(2):165–177, 1984. CODEN IBMSA7. ISSN 0018-8670.

- [Don03] **Donofrio:2003:MSV**
 Nicholas M. Donofrio. Message from the Senior Vice President, Technology and Manufacturing. *IBM Systems Journal*, 42(4):??, ??? 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/424/message.pdf>.
- [Dor63] **Dorrance:1963:DIP**
 R. T. Dorrance. Design of an integrated programming and operating system, part V: The system's COBOL compiler. *IBM Systems Journal*, 2: 322–327, September/December 1963. CODEN IBMSA7. ISSN 0018-8670.
- [DP86] **Doherty:1986:CTH**
 W. J. Doherty and W. G. Pope. Computing as a tool for human augmentation. *IBM Systems Journal*, 25(3-4):306–320, 1986. CODEN IBMSA7. ISSN 0018-8670.
- [dP88] **deBry:1988:AFP**
 R. K. deBry and B. G. Platte. Advanced Function Printing: a tutorial. *IBM Systems Journal*, 27(2):219–233, June 1988. CODEN IBMSA7. ISSN 0018-8670.
- [DP95] **DiAngelo:1995:CPB**
 M. F. DiAngelo and C. J. Petrun. Collecting product-based usability requirements. *IBM Systems Journal*, 34(1):4–19, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-1.html#two>.
- [dPBM88] **deBry:1988:AAF**
 R. K. deBry, B. G. Platte, C. L. Berinato, and J. W. Marlin. Architectures of Advanced Function Printing. *IBM Systems Journal*, 27(2):234–245, June 1988. CODEN IBMSA7. ISSN 0018-8670.
- [DPR90] **Dinan:1990:IHP**
 R. F. Dinan, L. D. Painter, and R. R. Rodite. ImagePlus High Performance Transaction System. *IBM Systems Journal*, 29(3):421–434, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [DPR+02] **Dias:2002:CII**
 D. M. Dias, S. L. Palmer, J. T. Rayfield, H. H. Shaikh, and T. K. Sreeram. E-commerce interoperability with IBM's WebSphere Commerce products. *IBM Systems Journal*, 41(2): 272–286, ??? 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/412/dias.html>; <http://www.research.ibm.com/journal/sj/412/dias.pdf>; <http://www.research.ibm.com/journal/sj/412/dias.txt>.
- [Dru69] **Drummond:1969:PSP**
 M. E. Drummond, Jr. A perspective on system performance evaluation. *IBM Systems Journal*, 8(4):252–263, 1969. CO-

- DEN IBMSA7. ISSN 0018-8670.
- [dRW04] J. des Rivières and J. Wiegand. Eclipse: a platform for integrating development tools. *IBM Systems Journal*, 43(2):371–383, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/432/desrivieres.html>; <http://www.research.ibm.com/journal/sj/432/desrivieres.pdf>; <http://www.research.ibm.com/journal/sj/432/desrivieres.txt>.
- [DSM83] Roy C. Dixon, Norman C. Strole, and James D. Markov. Token-ring network for local data communications. *IBM Systems Journal*, 23(1-2):47–62, 1983. CODEN IBMSA7. ISSN 0018-8670.
- [Due01] G. Dueck. Views of knowledge are human views. *IBM Systems Journal*, 40(4):885–888, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/404/dueck.html>; <http://www.research.ibm.com/journal/sj/404/dueck.pdf>.
- [Duk75] Melvin O. Duke. Testing in a complex systems environment. *IBM Systems Journal*, 14(4):353–365, 1975. CODEN IBMSA7. ISSN 0018-8670.
- [DW85] K. A. Duke and W. A. Wall. A professional graphics controller. *IBM Systems Journal*, 24(1):14–25, 1985. CODEN IBMSA7. ISSN 0018-8670.
- [DW00] S. Elo Dean and L. Weitzman. SuperNews: Multiple feeds for multiple views. *IBM Systems Journal*, 39(3/4):633–645, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part1/elodean.html>; <http://www.research.ibm.com/journal/sj/393/part1/elodean.pdf>; <http://www.research.ibm.com/journal/sj/393/part1/elodean.txt>.
- [DY92] R. A. Demers and K. Yamaguchi. Data description and conversion architecture. *IBM Systems Journal*, 31(3):488–515, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5483.
- [Dye80] M. Dyer. The management of software engineering, part IV: Software development practices. *IBM Systems Journal*, 19(4):451–465, 1980. CODEN IBMSA7. ISSN 0018-8670.
- [DZ68] C. W. Day and L. L. Zimmerman. Interactive graphics in

- data processing: Implementation and usage. *IBM Systems Journal*, 7(3/4):373–381, 1968. CODEN IBMSA7. ISSN 0018-8670.
- [Dzi65] **Dzielinski:1965:FAO**
B. P. Dzielinski. Fabrication and assembly operations, part IV: Linear programming in production planning. *IBM Systems Journal*, 4(2):122–135, 1965. CODEN IBMSA7. ISSN 0018-8670.
- [Dzi73] **Dzielinski:1973:GFP**
B. P. Dzielinski. A guide to financial planning tools and techniques. *IBM Systems Journal*, 12(2):126–144, 1973. CODEN IBMSA7. ISSN 0018-8670.
- [EAB+04] **Eilam:2004:UUC**
T. Eilam, K. Appleby, J. Breh, G. Breiter, H. Daur, S. A. Fakhouri, G. D. H. Hunt, T. Lu, S. D. Miller, L. B. Mummert, J. A. Pershing, and H. Wagner. Using a utility computing framework to develop utility systems. *IBM Systems Journal*, 43(1):97–120, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/431/eilam.html>.
- [EBKT07] **Eckman:2007:VIT**
B. A. Eckman, C. A. Bennett, J. H. Kaufman, and J. W. Tenner. Varieties of interoperability in the transformation of the health-care information infrastructure. *IBM Systems Journal*, 46(1):19–41, 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/461/eckman.html>.
- [EDG+96] **Elliott:1996:OSM**
P. J. Elliott, J. Diedrichsen, K. J. Goodson, R. Riste-Smith, and G. J. Sivewright. An object-oriented system for 3D medical image analysis. *IBM Systems Journal*, 35(1):4–24, 1996. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj35-1.html#two>.
- [EFN+02] **Edelstein:2002:MJP**
O. Edelstein, E. Farchi, Y. Nir, G. Ratsaby, and S. Ur. Multithreaded Java program test generation. *IBM Systems Journal*, 41(1):111–125, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/411/edelstein.html>; <http://www.research.ibm.com/journal/sj/411/edelstein.pdf>.
- [EG64] **Efron:1964:GPD**
R. Efron and G. Gordon. A general purpose digital simulator and examples of its application, part I: Description of the simulator. *IBM Systems Journal*, 3(1):22–34, 1964. CODEN IBMSA7. ISSN 0018-8670.

Edelsohn:2005:CGC

- [EGH⁺05] D. Edelsohn, W. Gellerich, M. Hagog, D. Naishlos, M. Namolaru, E. Pasch, H. Penner, U. Weigand, and A. Zaks. Contributions to the GNU Compiler Collection. *IBM Systems Journal*, 44(2):259–278, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/442/edelsohn.html>; <http://www.research.ibm.com/journal/sj/442/edelsohn.pdf>; <http://www.research.ibm.com/journal/sj/442/edelsohn.txt>.

Engel:1979:OCS

- [EGLT79] G. H. Engel, J. Groppuso, R. A. Lowenstein, and W. G. Traub. An office communications system. *IBM Systems Journal*, 18(3):402–431, 1979. CODEN IBMSA7. ISSN 0018-8670. [Elo95]

Eade:1977:CRS

- [EHJ77] D. J. Eade, P. Homan, and J. H. Jones. CICS/VS and its role in Systems Network Architecture. *IBM Systems Journal*, 16(3):258–286, 1977. CODEN IBMSA7. ISSN 0018-8670.

Eisenbies:1967:CDD

- [Eis67] J. L. Eisenbies. Conventions for digital data communication link design. *IBM Systems Journal*, 6(4):267–302, 1967. CODEN IBMSA7. ISSN 0018-8670.

Elliott:1992:IIS

- P. J. Elliott, J. M. Knapman, and W. Schlegel. Interactive image segmentation for radiation treatment planning. *IBM Systems Journal*, 31(4):620–634, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5489.

Eustice:1999:UIA

- K. F. Eustice, T. J. Lehman, A. Morales, M. C. Munson, S. Edlund, and M. Guillen. A universal information appliance. *IBM Systems Journal*, 38(4):575–601, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/384/eustice.html>.

Elofson:1995:IAE

- G. Elofson. Intelligent agents extend knowledge-based systems feasibility. *IBM Systems Journal*, 34(1):78–95, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-1.html#six>.

Ehram:1978:CKM

- [EMMT78] William F. Ehram, Stephen M. Matyas, Carl H. Meyer, and Walter L. Tuchman. A cryptographic key management scheme for implementing the Data Encryption Standard. *IBM Systems Journal*, 17(2):106–125, 1978. CODEN IBMSA7. ISSN 0018-8670.

- [EN07] **Ernest:2007:AVI**
 M. Ernest and J. M. Nisavic. Adding value to the IT organization with the Component Business Model. *IBM Systems Journal*, 46(3):387–??, July/September 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/463/ernest.html>.
- [Enc81] **Encarnacao:1981:FGK**
 J. Encarnacao. Forum: Graphical kernel system. *IBM Systems Journal*, 20(4):438–440, 1981. CODEN IBMSA7. ISSN 0018-8670.
- [EOO⁺06] **Eichenberger:2006:UAC**
 A. E. Eichenberger, J. K. O’Brien, K. M. O’Brien, P. Wu, T. Chen, P. H. Oden, D. A. Prener, J. C. Shepherd, B. So, Z. Sura, A. Wang, T. Zhang, P. Zhao, M. K. Gschwind, R. Archambault, Y. Gao, and R. Koo. Using advanced compiler technology to exploit the performance of the Cell Broadband EngineTM architecture. *IBM Systems Journal*, 45(1):59–84, ??? 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/451/eichenberger.html>.
- [EPTD05] **Englefield:2005:PAI**
 P. Englefield, C. Paddison, M. Tibbits, and I. Damani. A proposed architecture for integrating accessibility test tools. *IBM Systems Journal*, 44(3):537–555, ??? 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/443/englefield.html>.
- [ER70] **Elson:1970:CTL**
 M. Elson and S. T. Rake. Code-generation technique for large-language compilers. *IBM Systems Journal*, 9(3):166–188, 1970. CODEN IBMSA7. ISSN 0018-8670.
- [ES00] **Emnett:2000:SNR**
 K. Emnett and C. Schmandt. Synthetic news radio. *IBM Systems Journal*, 39(3/4):646–659, ??? 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part1/emnett.html>; <http://www.research.ibm.com/journal/sj/393/part1/emnett.pdf>; <http://www.research.ibm.com/journal/sj/393/part1/emnett.txt>.
- [ES05] **Emiliani:2005:UAA**
 P. L. Emiliani and C. Stephanidis. Universal access to ambient intelligence environments: Opportunities and challenges for people with disabilities. *IBM Systems Journal*, 44(3):605–619, ??? 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/443/emiliani.html>.

- [ESH89] **ElSadany:1989:AMS**
T. A. El-Sadany and M. A. Hashish. An Arabic morphological system. *IBM Systems Journal*, 28(4):600–612, 1989. CODEN IBMSA7. ISSN 0018-8670.
- [ETD07] **Eggebraaten:2007:HCD**
T. J. Eggebraaten, J. W. Tenner, and J. C. Dubbels. A health-care data model based on the HL7 Reference Information Model. *IBM Systems Journal*, 46(1):5–18, 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/461/eggebraaten.html>.
- [Eva96] **Evard:1996:CIN**
M. Evard. Children’s interests in news: On-line opportunities. *IBM Systems Journal*, 35(3&4):417–430, 1996. CODEN IBMSA7. ISSN 0018-8670.
- [Eve96] **Evernden:1996:IF**
R. Evernden. The Information FrameWork. *IBM Systems Journal*, 35(1):37–68, 1996. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj35-1.html#four>.
- [EW66] **Esau:1966:TSD**
L. R. Esau and K. C. Williams. On teleprocessing system design, part II: a method for approximating the optimal network. *IBM Systems Journal*, 5(3):142–147, 1966. CODEN IBMSA7. ISSN 0018-8670.
- [Fag76] **Fagan:1976:DCI**
Michael E. Fagan. Design and code inspections to reduce errors in program development. *IBM Systems Journal*, 15(3):182–211, 1976. CODEN IBMSA7. ISSN 0018-8670.
- [Fag99] **Fagan:1999:DCI**
M. E. Fagan. Design and code inspections to reduce errors in program development. *IBM Systems Journal*, 38(2–3):258–288, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/382/fagan.pdf>. Reprinted from [Fag76].
- [Fah02] **Fahlman:2002:TFS**
S. E. Fahlman. Technical forum: Selling interrupt rights: a way to control unwanted e-mail and telephone calls. *IBM Systems Journal*, 41(4):759–766, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/414/chessell.pdf>.
- [Fal91] **Falkoff:1991:IFA**
A. D. Falkoff. The IBM family of APL systems. *IBM Systems Journal*, 30(4):416–432, 1991. CODEN IBMSA7. ISSN 0018-8670.

- [Far87] **Farrell:1987:VIC** E. J. Farrell. Visual interpretation of complex data. *IBM Systems Journal*, 26(2):174–200, 1987. CODEN IBMSA7. ISSN 0018-8670.
- [Far92] **Feriozi:1992:SMO** D. T. Feriozi. A split model for OS/2 SCSI device drivers. *IBM Systems Journal*, 31(1):114–122, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5465.
- [FC92] **Finkel:1992:RCI** A. J. Finkel and S. B. Calo. RODM: a control information base. *IBM Systems Journal*, 31(2):252–269, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5472.
- [FFK92] **Fanderl:1992:ODA** H. Fanderl, K. Fischer, and J. Kamper. The Open Document Architecture: From standardization to the market. *IBM Systems Journal*, 31(4):728–754, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5495.
- [FCM⁺98] **Fuh:1998:LDT** G. Y. Fuh, J.-H. Chow, N. M. Mattos, B. T. Tran, and T. C. Truong. On the linkage of dynamic tables in relational DBMSs. *IBM Systems Journal*, 37(4):539–551, 1998. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/374/fuh.html>.
- [FG79] **Fitzgerald:1979:DMD** A. K. Fitzgerald and B. F. Goodrich. Data management for the Distributed Processing Executive (DPPX). *IBM Systems Journal*, 18(4):547–564, 1979. CODEN IBMSA7. ISSN 0018-8670.
- [Fer71] **Ferdinand:1971:AMI** A. E. Ferdinand. An analysis of the machine interference model. *IBM Systems Journal*, 10(2):129–142, 1971. CODEN IBMSA7. ISSN 0018-8670.
- [FG83] **Fennel:1983:SCC** John W. Fennel, Jr. and Bruce D. Gobioff. Satellite communications controller. *IBM Systems Journal*, 23(1-2):81–95, 1983. CODEN IBMSA7. ISSN 0018-8670.
- [Fer91] **Feriozi:1991:CPM** D. T. Feriozi. A C programming model for OS/2 device drivers. *IBM Systems Journal*, 30(3):322–335, 1991. CODEN IBMSA7. ISSN 0018-8670. G321-5438.
- [FG90] **Faulk:1990:SDD** R. D. Faulk and F. Goertzel Gustavson. Segmenting discrete data representing continuous speech input. *IBM Systems Journal*, 29(2):287–296, 1990. CODEN IBMSA7. ISSN 0018-8670.

- [FHK⁺97] **Finnigan:1997:SB**
 P. J. Finnigan, R. C. Holt, I. Kalas, S. Kerr, K. Kontogianis, H. A. Müller, J. Mylopoulos, S. G. Perelgut, M. Stanley, and K. Wong. The software bookshelf. *IBM Systems Journal*, 36(4):564–593, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/364/finnigan.html>.
- [FHP02] **Farchi:2002:UMB**
 E. Farchi, A. Hartman, and S. S. Pinter. Using a model-based test generator to test for standard conformance. *IBM Systems Journal*, 41(1):89–110, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/411/farchi.html>; <http://www.research.ibm.com/journal/sj/411/farchi.pdf>.
- [FIS64] **Falkoff:1964:FDS**
 A. D. Falkoff, K. E. Iversen, and E. H. Sussenguth. A formal description of SYSTEM/360. *IBM Systems Journal*, 3(3):198–261, 1964. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/032/falkoff.pdf>.
- [Fis91] **Fischofer:1991:VSS**
 W. T. Fischofer. VM/ESA: a single system for central-
- ized and distributed computing. *IBM Systems Journal*, 30(1):4–13, 1991. CODEN IBMSA7. ISSN 0018-8670.
- [FK01] **Ferguson:2001:WBS**
 D. F. Ferguson and R. Kerth. WebSphere as an e-business server. *IBM Systems Journal*, 40(1):25–45, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/401/ferguson.html>.
- [FK02] **Farrell:2002:WSM**
 J. A. Farrell and H. Kreger. Web services management approaches. *IBM Systems Journal*, 41(2):212–227, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/412/farrell.html>; <http://www.research.ibm.com/journal/sj/412/farrell.pdf>; <http://www.research.ibm.com/journal/sj/412/farrell.txt>.
- [FKS⁺02] **Funderburk:2002:XBR**
 J. E. Funderburk, G. Kieran, J. Shanmugasundaram, E. Shekita, and C. Wei. XTABLES: Bridging relational technology and XML. *IBM Systems Journal*, 41(4):616–641, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/414/funderburk.pdf>.
- [FKS⁺03] **Funderburk:2003:TNX**
 J. E. Funderburk, G. Kieran, J. Shanmugasundaram,

- E. Shekita, and C. Wei. Technical note—XTABLES: Bridging relational technology and XML. *IBM Systems Journal*, 42(3):538–541, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/423/funderburk.pdf>. [Fli97]
- Ferrucci:2004:BEA**
- [FL04] D. Ferrucci and A. Lally. Building an example application with the Unstructured Information Management Architecture. *IBM Systems Journal*, 43(3):455–475, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/433/ferrucci.html>; <http://www.research.ibm.com/journal/sj/433/ferrucci.pdf>; <http://www.research.ibm.com/journal/sj/433/ferrucci.txt>. [FMR02] [FNS04]
- Flaherty:1985:PPP**
- [Fla85] M. J. Flaherty. Programming process productivity measurement system for System/370. *IBM Systems Journal*, 24(2):168–175, 1985. CODEN IBMSA7. ISSN 0018-8670.
- Fletcher:1996:FTM**
- [Fle96] R. Fletcher. Force transduction materials for human-technology interfaces. *IBM Systems Journal*, 35(3&4):630–638, 1996. CODEN IBMSA7. ISSN 0018-8670. [For78]
- Flint:1997:CJP**
- E. S. Flint. The COBOL jigsaw puzzle: Fitting object-oriented and legacy applications together. *IBM Systems Journal*, 36(1):??, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/361/flint.html>.
- Funderburk:2002:XPS**
- J. E. Funderburk, S. Malaika, and B. Reinwald. XML programming with SQL/XML and XQuery. *IBM Systems Journal*, 41(4):642–665, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/414/reinwald.pdf>.
- Fontes:2004:WCA**
- S. M. Fontes, C. J. Nordstrom, and K. W. Sutter. WebSphere connector architecture evolution. *IBM Systems Journal*, 43(2):316–326, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/432/fontes.html>; <http://www.research.ibm.com/journal/sj/432/fontes.pdf>; <http://www.research.ibm.com/journal/sj/432/fontes.txt>.
- Ford:1978:EPD**
- Julian B. Ford. Enhanced problem determination capability for teleprocessing. *IBM Systems Journal*, 17(3):276–289,

1978. CODEN IBMSA7. ISSN 0018-8670.
- [FP90] **Franklin:1990:EAD**
S. M. Franklin and A. M. Peters. Effective application development for Presentation Manager programs. *IBM Systems Journal*, 29(1):44–58, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [Fra79] **Frazer:1979:PTI**
W. D. Frazer. Potential technology implications for computers and telecommunications in the 1980s. *IBM Systems Journal*, 18(2):333–347, 1979. CODEN IBMSA7. ISSN 0018-8670.
- [Fre66] **Freeman:1966:MLD**
D. N. Freeman. Macro language design for SYSTEM/360. *IBM Systems Journal*, 5(2):62–77, 1966. CODEN IBMSA7. ISSN 0018-8670.
- [Fre73] **Fredericksen:1973:DDC**
D. H. Fredericksen. Describing data in computer networks. *IBM Systems Journal*, 12(3):257–282, 1973. CODEN IBMSA7. ISSN 0018-8670.
- [Fri70] **Friedman:1970:APS**
T. D. Friedman. The authorization problem in shared files. *IBM Systems Journal*, 9(4):258–280, 1970. CODEN IBMSA7. ISSN 0018-8670.
- [FS72] **Fromm:1972:SAL**
J. E. Fromm and D. E. Schreiber. System aspects of large-problem computation and display. *IBM Systems Journal*, 11(1):41–55, 1972. CODEN IBMSA7. ISSN 0018-8670.
- [FS05] **Ferguson:2005:SOA**
D. F. Ferguson and M. L. Stockton. Service-oriented architecture: Programming model and product architecture. *IBM Systems Journal*, 44(4):753–780, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/444/ferguson.html>.
- [FSSS01] **Fahey:2001:LBO**
L. Fahey, R. Srivastava, J. S. Sharon, and D. E. Smith. Linking e-business and operating processes: The role of knowledge management. *IBM Systems Journal*, 40(4):889–907, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/404/fahey.html>; <http://www.research.ibm.com/journal/sj/404/fahey.pdf>.
- [FT92a] **Forrest:1992:IIP**
J. J. H. Forrest and J. A. Tomlin. Implementing interior point linear programming methods in the Optimization Subroutine Library. *IBM Systems Journal*, 31(1):26–38, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5458.

- [FT92b] **Forrest:1992:ISM** J. J. H. Forrest and J. A. Tomlin. Implementing the simplex method for the Optimization Subroutine Library. *IBM Systems Journal*, 31(1):11–25, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5457.
- [FtCE87] **Fleischmann:1987:SII** Albert Fleischmann, Seung tae Chin, and Wolfgang Effelsberg. Specification and implementation of an ISO session layer. *IBM Systems Journal*, 26(3):255–275, 1987. CODEN IBMSA7. ISSN 0018-8670.
- [FV01] **Flurry:2001:IAF** G. Flurry and W. Vicknair. The IBM Application Framework for e-business. *IBM Systems Journal*, 40(1):8–24, ??? 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/401/flurry.html>.
- [FW75] **Friedman:1975:ESC** Herman P. Friedman and Gerald Waldbaum. Evaluating system changes under uncontrolled workloads: a case study. *IBM Systems Journal*, 14(4):340–352, 1975. CODEN IBMSA7. ISSN 0018-8670.
- [Gar81] **Gardner:1981:SAO** P. C. Gardner, Jr. A system for the automated office environment. *IBM Systems Journal*, 20(3):321–345, 1981. CODEN IBMSA7. ISSN 0018-8670.
- [Gar83] **Garrigues:1983:ANM** Richard D. Garrigues. Application of network management at a large computing service. *IBM Systems Journal*, 23(1-2):143–164, 1983. CODEN IBMSA7. ISSN 0018-8670.
- [Gay66] **Gay:1966:TSD** T. W. Gay, Jr. On teleprocessing system design, part V: a technique for estimating channel interference. *IBM Systems Journal*, 5(3):171–174, 1966. CODEN IBMSA7. ISSN 0018-8670.
- [Gay95] **Gayek:1995:DLS** P. W. Gayek. Data link switching: Present and future. *IBM Systems Journal*, 34(3):409–429, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-3.html#six>.
- [GB84] **Gould:1984:SFO** John D. Gould and Stephen J. Boies. Speech filing — an office system for principals. *IBM Systems Journal*, 23(1):65–81, 1984. CODEN IBMSA7. ISSN 0018-8670.
- [GB00a] **Gerasimov:2000:TTU** V. Gerasimov and W. Bender. Things that talk: Using sound for device-to-device and device-to-human communication. *IBM Systems Journal*, 39(3/4):530–546, ??? 2000.

- CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part1/gerasimov.html>; <http://www.research.ibm.com/journal/sj/393/part1/gerasimov.pdf>; <http://www.research.ibm.com/journal/sj/393/part1/gerasimov.txt>. [GBK83]
- [GB00b] D. Gruhl and W. Bender. A new structure for news editing. *IBM Systems Journal*, 39(3/4):569–588, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part1/gruhl.html>; <http://www.research.ibm.com/journal/sj/393/part1/gruhl.pdf>; <http://www.research.ibm.com/journal/sj/393/part1/gruhl.txt>. [GBR06]
- [GB07] J. D. Gold and M. J. Ball. The Health Record Banking imperative: a conceptual model. *IBM Systems Journal*, 46(1):43–55, 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/461/gold.html>. [GC88]
- [GBCW00] W. Gu, N. A. Burns, M. T. Collins, and W. Y. P. Wong. The evolution of a high-performing Java virtual machine. *IBM Systems Journal*, 39(1):135–150, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/391/gu.html>. [Grover:1983:WSF]
- G. A. Grover and K. Bharath-Kumar. Windows in the sky — flow control in SNA networks with satellite links. *IBM Systems Journal*, 23(4):451–463, 1983. CODEN IBMSA7. ISSN 0018-8670. [Greif:2006:P]
- Irene Greif, Alex Birman, and John J. Ritsko. Preface. *IBM Systems Journal*, 45(4):659–661, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/454/preface.html>. [Griffie:1988:ITF]
- A. W. Griffie and C. A. Casey. An introduction to typographic fonts and digital font resources. *IBM Systems Journal*, 27(2):206–218, June 1988. CODEN IBMSA7. ISSN 0018-8670. [Ganek:2003:DAC]
- A. G. Ganek and T. A. Corbi. The dawning of the autonomic computing era. *IBM Systems Journal*, 42(1):5–18, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/421/verma.pdf>. [Gu:2000:EHP]
- [GC03] A. G. Ganek and T. A. Corbi. The dawning of the autonomic computing era. *IBM Systems Journal*, 42(1):5–18, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/421/verma.pdf>.

- [GCF+87] **Green:1987:PAP**
 P. E. Green, Jr., R. J. Chap-
 puis, J. D. Fisher, P. S. Frosch,
 and C. E. Wood. A perspective
 on Advanced Peer-to-Peer Net-
 working. *IBM Systems Journal*,
 26(4):414–428, December 1987.
 CODEN IBMSA7. ISSN 0018-
 8670.
- [GCG+04] **Gruhl:2004:HBW**
 D. Gruhl, L. Chavet, D. Gib-
 son, J. Meyer, P. Pattanayak,
 A. Tomkins, and J. Zien. How
 to build a WebFountain: An
 architecture for very large-
 scale text analytics. *IBM Sys-
 tems Journal*, 43(1):64–77, ????
 2004. CODEN IBMSA7. ISSN
 0018-8670. URL [http://www.
 research.ibm.com/journal/
 sj/431/gruhl.pdf](http://www.research.ibm.com/journal/sj/431/gruhl.pdf).
- [GCS97] **Guinan:1997:EUA**
 P. J. Guinan, J. G. Coopri-
 der, and S. Sawyer. The effective
 use of automated application
 development tools. *IBM Sys-
 tems Journal*, 36(1):??, 1997.
 CODEN IBMJAE. ISSN 0018-
 8646 (print), 2151-8556 (elec-
 tronic). URL [http://www.
 research.ibm.com/journal/
 sj/361/guinan.html](http://www.research.ibm.com/journal/sj/361/guinan.html).
- [GDD+01] **Guski:2001:SZC**
 R. Guski, J. C. Dayka, L. N.
 Distel, W. B. Farrell, K. A.
 Gdaniec, M. J. Kelly, M. A.
 Nelson, L. H. Overby, and
 L. G. Robinson. Security on
 z/OS: Comprehensive, current,
 and flexible. *IBM Systems*
Journal, 40(3):696–720, ????
 2001. CODEN IBMSA7. ISSN
 0018-8670. URL [http://www.
 research.ibm.com/journal/
 sj/403/guski.html](http://www.research.ibm.com/journal/sj/403/guski.html); [http:
 //www.research.ibm.com/journal/
 sj/403/guski.pdf](http://www.research.ibm.com/journal/sj/403/guski.pdf).
- [Gel89] **Gelb:1989:SS**
 J. P. Gelb. System-managed
 storage. *IBM Systems Journal*,
 28(1):77–103, 1989. CODEN
 IBMSA7. ISSN 0018-8670.
- [Ger62] **Gerson:1962:NMA**
 G. Gerson. Note—on modifying
 the 1620 ADD table. *IBM Sys-
 tems Journal*, 1:82–83, Septem-
 ber 1962. CODEN IBMSA7.
 ISSN 0018-8670.
- [Ger85a] **Gershon:1985:Pa**
 Gary Gershon. Preface. *IBM*
Systems Journal, 24(2):74–75,
 1985. CODEN IBMSA7. ISSN
 0018-8670.
- [Ger85b] **Gershon:1985:Pb**
 Gary Gershon. Preface. *IBM*
Systems Journal, 24(3/4):180–
 181, 1985. CODEN IBMSA7.
 ISSN 0018-8670.
- [Ger86a] **Gershon:1986:Pa**
 Gary Gershon. Preface. *IBM*
Systems Journal, 25(1):2–3,
 1986. CODEN IBMSA7. ISSN
 0018-8670.
- [Ger86b] **Gershon:1986:Pb**
 Gary Gershon. Preface. *IBM*
Systems Journal, 25(2):132–
 133, 1986. CODEN IBMSA7.
 ISSN 0018-8670.

- Gershon:1986:Pc**
- [Ger86c] Gary Gershon. Preface. *IBM Systems Journal*, 25(3):254–255, 1986. CODEN IBMSA7. ISSN 0018-8670.
- Gershon:1987:Pa**
- [Ger87a] Gary Gershon. Preface. *IBM Systems Journal*, 26(1):2–3, 1987. CODEN IBMSA7. ISSN 0018-8670.
- Gershon:1987:Pb**
- [Ger87b] Gary Gershon. Preface. *IBM Systems Journal*, 26(2):156, 1987. CODEN IBMSA7. ISSN 0018-8670.
- Gershon:1987:Pc**
- [Ger87c] Gary Gershon. Preface. *IBM Systems Journal*, 26(3):234, 1987. CODEN IBMSA7. ISSN 0018-8670.
- Gershon:1987:Pd**
- [Ger87d] Gary Gershon. Preface. *IBM Systems Journal*, 26(4):324–325, 1987. CODEN IBMSA7. ISSN 0018-8670.
- Gershon:1988:Pa**
- [Ger88a] Gary Gershon. Preface. *IBM Systems Journal*, 27(1):2, 1988. CODEN IBMSA7. ISSN 0018-8670.
- Gershon:1988:Pb**
- [Ger88b] Gary Gershon. Preface. *IBM Systems Journal*, 27(2):88–89, 1988. CODEN IBMSA7. ISSN 0018-8670.
- Gershon:1988:Pc**
- [Ger88c] Gary Gershon. Preface. *IBM Systems Journal*, 27(3):248–249, 1988. CODEN IBMSA7. ISSN 0018-8670.
- Gershon:1988:Pd**
- [Ger88d] Gary Gershon. Preface. *IBM Systems Journal*, 27(4):392, 1988. CODEN IBMSA7. ISSN 0018-8670.
- Gershenfeld:1996:PM**
- [Ger96a] N. Gershenfeld. Physics and media. *IBM Systems Journal*, 35(3&4):575–576, 1996. CODEN IBMSA7. ISSN 0018-8670.
- Gershenfeld:1996:SET**
- [Ger96b] N. Gershenfeld. Signal entropy and the thermodynamics of computation. *IBM Systems Journal*, 35(3&4):577–586, 1996. CODEN IBMSA7. ISSN 0018-8670.
- Gershenfeld:2000:EUL**
- [Ger00] N. Gershenfeld. Everything, the universe, and life. *IBM Systems Journal*, 39(3/4):932–934, ??? 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part3/gershenfeld.html>; <http://www.research.ibm.com/journal/sj/393/part3/gershenfeld.pdf>; <http://www.research.ibm.com/journal/sj/393/part3/gershenfeld.txt>.

- Geihs:1992:STM**
- [GFG⁺92] K. Geihs, P. François, D. Griffin, C. Kaas-Petersen, and A. Mann. Service and traffic management for IBCN. *IBM Systems Journal*, 31(4):711–727, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5494.
- Glider:2003:SAS**
- [GFS03] J. S. Glider, C. F. Fuente, and W. J. Scales. The software architecture of a SAN storage control system. *IBM Systems Journal*, 42(2):232–249, ??? 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/422/glider.pdf>.
- Green:1987:PDC**
- [GG87] Paul E. Green, Jr. and Dominique N. Godard. Prospects and design choices for integrated private networks. *IBM Systems Journal*, 26(1):37–54, January 1987. CODEN IBMSA7. ISSN 0018-8670.
- Gottschalk:2002:IWS**
- [GGKS02] K. Gottschalk, S. Graham, H. Kreger, and J. Snell. Introduction to Web services architecture. *IBM Systems Journal*, 41(2):168–177, ??? 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/412/gottschalk.html>; <http://www.research.ibm.com/journal/sj/412/gottschalk.pdf>; <http://www.research.ibm.com/journal/sj/412/gottschalk.txt>.
- Goodwin:2002:ILA**
- [GGW02] R. Goodwin, S. F. Goh, and F. Y. Wu. Instance-level access control for business-to-business electronic commerce. *IBM Systems Journal*, 41(2):303–317, ??? 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/412/goodwin.html>; <http://www.research.ibm.com/journal/sj/412/goodwin.pdf>; <http://www.research.ibm.com/journal/sj/412/goodwin.txt>.
- Gruhn:1979:RPC**
- [GH79] A. M. Gruhn and A. C. Hohl. A research perspective on computer-assisted office work. *IBM Systems Journal*, 18(3):432–456, 1979. CODEN IBMSA7. ISSN 0018-8670.
- Gdaniec:1991:VDS**
- [GH91] J. M. Gdaniec and J. P. Hennessy. VM data spaces and ESA/XC facilities. *IBM Systems Journal*, 30(1):14–33, 1991. CODEN IBMSA7. ISSN 0018-8670.
- Grochowski:2003:TIM**
- [GH03] E. Grochowski and R. D. Halem. Technological impact of magnetic hard disk drives on storage systems. *IBM Systems Journal*, 42(2):338–346, ??? 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/412/grochowski.html>; <http://www.research.ibm.com/journal/sj/412/grochowski.pdf>; <http://www.research.ibm.com/journal/sj/412/grochowski.txt>.

- research.ibm.com/journal/sj/422/grochowski.pdf.
- [Gha75] Sawsan B. Ghanem. Computing center optimization by a pricing-priority policy. *IBM Systems Journal*, 14(3):272–291, 1975. CODEN IBMSA7. ISSN 0018-8670.
- [GHH⁺83] J. P. Gray, P. J. Hansen, P. Homan, M. A. Lerner, and M. Pozefsky. Advanced program-to-program communication in SNA. *IBM Systems Journal*, 23(4):298–318, 1983. CODEN IBMSA7. ISSN 0018-8670.
- [Ghi85] M. M. Ghiotti. Single-system interface using the IBM 3270-PC. *IBM Systems Journal*, 24(3-4):236–247, 1985. CODEN IBMSA7. ISSN 0018-8670.
- [GHM⁺05] O. Gruber, B. J. Hargrave, J. McAffer, P. Rapicault, and T. Watson. The Eclipse 3.0 platform: Adopting OSGi technology. *IBM Systems Journal*, 44(2):289–299, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/442/gruber.html>; <http://www.research.ibm.com/journal/sj/442/gruber.pdf>; <http://www.research.ibm.com/journal/sj/442/gruber.txt>.
- [GHMWB84] Barry C. Goldstein, Andrew R. Heller, Franklin H. Moss, and Irving Wladawsky-Berger. Directions in cooperative processing between workstations and hosts. *IBM Systems Journal*, 23(3):236–244, 1984. CODEN IBMSA7. ISSN 0018-8670.
- [Gin65] M. G. Ginzberg. Notes on testing real-time system programs. *IBM Systems Journal*, 4(1):58–72, 1965. CODEN IBMSA7. ISSN 0018-8670.
- [GJ87] Barry C. Goldstein and Jeffrey M. Jaffe. Data communications: the implications of communication systems for protocol design. *IBM Systems Journal*, 26(1):122–137, January 1987. CODEN IBMSA7. ISSN 0018-8670.
- [GJMT03] S. L. Greene, L. Jones, P. Matchen, and J. C. Thomas. Iterative development in the field. *IBM Systems Journal*, 42(4):594–612, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/424/greene.pdf>.
- [Gladney:1975:CIA] Henry M. Gladney, Dion L. Johnson, and Richard L. Stone. Computer installation accounting. *IBM Systems Journal*, 14

- (4):314–339, 1975. CODEN IBMSA7. ISSN 0018-8670.
- [GK07] **Ganek:2007:OIS** [GL90] A. Ganek and K. Kloeckner. An overview of IBM Service Management. *IBM Systems Journal*, 46(3):375–??, July/September 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/463/ganek.html>.
- [GKB⁺03] **Grey:2003:AAQ** [GL95] W. Grey, K. Katircioglu, S. Bagchi, D. Shi, G. Gallego, D. Seybold, and S. Stefanis. An analytical approach for quantifying the value of e-business initiatives. *IBM Systems Journal*, 42(3):484–497, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/423/grey.pdf>.
- [GKT63] **Griffin:1963:PIS** [Gla78] J. S. Griffin, Jr., J. H. King, Jr., and C. J. Tunis. A pattern identification system using linear decision functions. *IBM Systems Journal*, 2:248–267, September/December 1963. CODEN IBMSA7. ISSN 0018-8670.
- [GL74] **Gecsei:1974:MES** [Gla93b] J. Gecsei and J. A. Lukes. A model for the evaluation of storage hierarchies. *IBM Systems Journal*, 13(2):163–178, 1974. CODEN IBMSA7. ISSN 0018-8670.
- Goodrich:1990:PDI** C. Goodrich and M. B. Loughlin. Porting DPPX from the IBM 8100 to the IBM ES/9370: Migration. *IBM Systems Journal*, 29(1):106–123, 1990. CODEN IBMSA7. ISSN 0018-8670.
- Gropp:1995:EIS** [Gla93a] W. D. Gropp and E. Lusk. Experiences with the IBM SP1. *IBM Systems Journal*, 34(2):249–262, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-2.html#seven>.
- Gladney:1978:ACC** [Gla78] Henry M. Gladney. Administrative control of computing service. *IBM Systems Journal*, 17(2):151–178, 1978. CODEN IBMSA7. ISSN 0018-8670.
- Gladney:1993:SSI** [Gla93a] H. M. Gladney. A storage subsystem for image and records management. *IBM Systems Journal*, 32(3):512–540, 1993. CODEN IBMSA7. ISSN 0018-8670. G321-5523.
- Glazer:1993:MVI** [Gla93b] R. Glazer. Measuring the value of information: The information-intensive organization. *IBM Systems Journal*, 32(1):99–110, 1993. CODEN IBMSA7. ISSN 0018-8670. G321-5505.

- [Glu08] **Glushko:2008:DSS**
R. J. Glushko. Designing a service science discipline with discipline. *IBM Systems Journal*, 47(1):15–??, January/March 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/471/glushko.html>.
- [GM79] **Gray:1979:SMN**
James P. Gray and Tony B. McNeill. SNA multiple-system networking. *IBM Systems Journal*, 18(2):263–297, 1979. CODEN IBMSA7. ISSN 0018-8670.
- [GM91] **Goldberg:1991:BPC**
S. H. Goldberg and J. A. Mouton, Jr. A base for portable communications software. *IBM Systems Journal*, 30(3):259–279, 1991. CODEN IBMSA7. ISSN 0018-8670.
- [GM03] **Gorlenko:2003:NWA**
L. Gorlenko and R. Merrick. No wires attached: Usability challenges in the connected mobile world. *IBM Systems Journal*, 42(4):639–651, ??? 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/424/gorlenko.pdf>.
- [GMM+06] **Geyer:2006:AEA**
W. Geyer, M. J. Muller, M. T. Moore, E. Wilcox, L.-T. Cheng, B. Brownholtz, C. Hill, and D. R. Millen. Activity Explorer: Activity-centric collaboration from research to product. *IBM Systems Journal*, 45(4):713–738, ??? 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/454/geyer.html>.
- [GMTW08] **Guniguntala:2008:RCU**
D. Guniguntala, P. E. McKenney, J. Triplett, and J. Walpole. The read-copy-update mechanism for supporting real-time applications on shared-memory multiprocessor systems with Linux. *IBM Systems Journal*, 47(2):221–??, April/June 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/472/guniguntala.html>.
- [GNP+04] **Gayek:2004:WCS**
P. Gayek, R. Nesbitt, H. Pearthree, A. Shaikh, and B. Snitzer. A Web content serving utility. *IBM Systems Journal*, 43(1):43–63, ??? 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/431/gayek.pdf>.
- [Gol86] **Goldberg:1986:SEE**
R. Goldberg. Software engineering: an emerging discipline. *IBM Systems Journal*, 25(3-4):334–353, 1986. CODEN IBMSA7. ISSN 0018-8670.
- [Gol99] **Goldberg:1999:TPS**
R. Goldberg. Turning points on software development. *IBM*

- Systems Journal*, 38(2–3):225–230, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/382/goldberg.pdf>. [Gor80]
- Gomory:1962:NTP**
- [Gom62] R. E. Gomory. Note—the trim problem. *IBM Systems Journal*, 1:77–81, September 1962. CODEN IBMSA7. ISSN 0018-8670.
- Gordon:1962:GPS**
- [Gor62] G. Gordon. A general purpose systems simulator. *IBM Systems Journal*, 1:18–32, September 1962. CODEN IBMSA7. ISSN 0018-8670.
- Gorenstein:1965:FAO**
- [Gor65] S. Gorenstein. Fabrication and assembly operations, part VI: Parameter values for sequencing control. *IBM Systems Journal*, 4(3):241–249, 1965. CODEN IBMSA7. ISSN 0018-8670. [Got86]
- Gorenstein:1971:PEL**
- [Gor71] S. Gorenstein. Programming for economic lot-sizes with precedences between items. *IBM Systems Journal*, 10(3):232–243, 1971. CODEN IBMSA7. ISSN 0018-8670. [Got92]
- Gordon:1973:FMS**
- [Gor73] R. J. Gordon. Financial modeling on small systems. *IBM Systems Journal*, 12(2):161–171, 1973. CODEN IBMSA7. ISSN 0018-8670.
- Gordon:1980:MAC**
- R. Douglas Gordon. The Modular Application Customizing System. *IBM Systems Journal*, 19(4):521–541, 1980. CODEN IBMSA7. ISSN 0018-8670.
- Grey:2005:RMR**
- [GOS05] W. Grey, T. Olavson, and D. Shi. The role of e-marketplaces in relationship-based supply chains: a survey. *IBM Systems Journal*, 44(1):109–123, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/441/grey.html>; <http://www.research.ibm.com/journal/sj/441/grey.pdf>; <http://www.research.ibm.com/journal/sj/441/grey.txt>.
- Gottschalk:1986:SUP**
- [Got86] K. D. Gottschalk. The System Usability Process for Network Management Products. *IBM Systems Journal*, 25(1):83–91, 1986. CODEN IBMSA7. ISSN 0018-8670.
- Gottschalk:1992:NVR**
- [Got92] K. D. Gottschalk. NetView Version 2 Release 3 Graphic Monitor Facility: Network management graphics support for the 1990s. *IBM Systems Journal*, 31(2):223–251, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5471.

- [Got98] **Gottschalk:1998:TOI**
K. D. Gottschalk. Technical overview of IBM's Java initiatives. *IBM Systems Journal*, 37(3):308–322, 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/373/gottschalk.html>.
- [Gou69] **Gould:1969:GIG**
R. L. Gould. GPSS/360—an improved general purpose simulator. *IBM Systems Journal*, 8(1):16–27, 1969. CODEN IBMSA7. ISSN 0018-8670.
- [GR01] **Gongla:2001:ECP**
P. Gongla and C. R. Rizuto. Evolving communities of practice: IBM Global Services experience. *IBM Systems Journal*, 40(4):842–862, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/404/gongla.html>; <http://www.research.ibm.com/journal/sj/404/gongla.pdf>.
- [GR06] **Greif:2006:I**
Irene Greif and Michael Rhodin. Introduction. *IBM Systems Journal*, 45(4):??, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/454/intro.html>.
- [Gra78] **Gravina:1978:NWB**
Chris M. Gravina. National Westminster Bank mass storage archiving. *IBM Systems Journal*, 17(4):344–358, 1978. CODEN IBMSA7. ISSN 0018-8670.
- [Gre79] **Green:1979:INA**
Paul E. Green. An introduction to network architectures and protocols. *IBM Systems Journal*, 18(2):202–222, 1979. CODEN IBMSA7. ISSN 0018-8670.
- [Gri63] **Griffith:1963:IAP**
J. E. Griffith. An intrinsically addressed processing system. *IBM Systems Journal*, 2:182–199, September/December 1963. CODEN IBMSA7. ISSN 0018-8670.
- [Gri93] **Griss:1993:SRL**
M. L. Griss. Software reuse: From library to factory. *IBM Systems Journal*, 32(4):548–566, 1993. CODEN IBMSA7. ISSN 0018-8670. G321-5524.
- [Gro85] **Grossman:1985:CSD**
C. P. Grossman. Cache-DASD storage design for improving system performance. *IBM Systems Journal*, 24(3-4):316–334, 1985. CODEN IBMSA7. ISSN 0018-8670.
- [Gro89] **Grossman:1989:EDS**
C. P. Grossman. Evolution of the DASD storage control. *IBM Systems Journal*, 28(2):196–226, 1989. CODEN IBMSA7. ISSN 0018-8670.

- [Gro92] **Grossman:1992:RDS**
C. P. Grossman. Role of the DASD storage control in an Enterprise Systems Connection environment. *IBM Systems Journal*, 31(1):123–146, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5466.
- [GRW86] **Gibson:1986:ESP**
D. H. Gibson, D. W. Rain, and H. F. Walsh. Engineering and scientific processing on the IBM 3090. *IBM Systems Journal*, 25(1):36–50, 1986. CODEN IBMSA7. ISSN 0018-8670.
- [GS99] **Ganek:1999:TPS**
A. G. Ganek and E. H. Sussenguth. Turning points in systems architecture. *IBM Systems Journal*, 38(2-3):335–339, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/382/ganek.pdf>.
- [GS04] **Gotz:2004:DIU**
T. Götz and O. Suhre. Design and implementation of the UIMA Common Analysis System. *IBM Systems Journal*, 43(3):476–489, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/433/gotz.html>; <http://www.research.ibm.com/journal/sj/433/gotz.pdf>; <http://www.research.ibm.com/journal/sj/433/gotz.txt>. [GTC68]
- [GSBH⁺89] **Gongla:1989:SKS**
P. Gongla, G. Sakamoto, A. Back-Hock, P. Goldweic, L. Ramos, R. C. Sprowls, and C.-K. Kim. S*P*A*R*K: a knowledge-based system for identifying competitive uses of information technology. *IBM Systems Journal*, 28(4):628–645, 1989. CODEN IBMSA7. ISSN 0018-8670.
- [GSN⁺01] **Goble:2001:TAM**
C. A. Goble, R. Stevens, G. Ng, S. Bechhofer, N. W. Paton, P. G. Baker, M. Peim, and A. Brass. Transparent access to multiple bioinformatics information sources. *IBM Systems Journal*, 40(2):532–551, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/402/goble.html>; <http://www.research.ibm.com/journal/sj/402/goble.pdf>; <http://www.research.ibm.com/journal/sj/402/goble.txt>.
- [GTB90] **Gale:1990:IDP**
J. L. Gale, J. R. Tirso, and C. A. Burchfield. Implementing the Defect Prevention Process in the MVS interactive programming organization. *IBM Systems Journal*, 29(1):33–43, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [GTC68] **Gagliano:1968:IGD**
F. W. Gagliano, H. W. Thombs, and R. E. Cornish. Interactive graphics in data pro-

- cessing: a conversational display capability. *IBM Systems Journal*, 7(3/4):281–291, 1968. CODEN IBMSA7. ISSN 0018-8670.
- [GW89] J. Gazdag and H.-H. Wang. Concurrent computing by sequential staging of tasks. *IBM Systems Journal*, 28(4):646–660, 1989. CODEN IBMSA7. ISSN 0018-8670.
- [GWM75] Henry M. Gladney, Eldon L. Worley, and James J. Myers. An access control mechanism for computing resources. *IBM Systems Journal*, 14(3):212–228, 1975. CODEN IBMSA7. ISSN 0018-8670.
- [GY67] E. J. Galli and H. Yamada. An automatic dictionary and the verification of machine-readable text. *IBM Systems Journal*, 6(3):192–207, 1967. CODEN IBMSA7. ISSN 0018-8670.
- [GY82] Frederick D. George and Gerald E. Young. SNA flow control: Architecture and implementation. *IBM Systems Journal*, 21(2):179–210, 1982. CODEN IBMSA7. ISSN 0018-8670.
- [Haa96] K. Haase. FramerD: Representing knowledge in the large. *IBM Systems Journal*, 35(3&4):381–397, 1996. CODEN IBMSA7. ISSN 0018-8670.
- [Haa00a] K. Haase. Interlingual BRICO. *IBM Systems Journal*, 39(3/4):589–596, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part1/haase.html>; <http://www.research.ibm.com/journal/sj/393/part1/haase.pdf>; <http://www.research.ibm.com/journal/sj/393/part1/haase.txt>.
- [Haa00b] K. Haase. Why the Media Lab works — A personal view. *IBM Systems Journal*, 39(3/4):419–431, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/haase.html>; <http://www.research.ibm.com/journal/sj/393/haase.pdf>; <http://www.research.ibm.com/journal/sj/393/haase.txt>.
- [HAB+92] R. Hovorka, S. Andreassen, J. J. Benn, K. G. Olesen, and E. R. Carson. Causal probabilistic network modeling — an illustration of its role in the management of chronic diseases. *IBM Systems Journal*, 31(4):635–648, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5490.

- [Hae03] **Haeckel:2003:SMF**
S. H. Haeckel. A survey of manufacturing flexibility: Implications for e-business flexibility. *IBM Systems Journal*, 42(3):405–413, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/423/haeckel.pdf>.
- [Hai65] **Haines:1965:SCF**
L. H. Haines. Serial compilation and the 1401 FORTRAN compiler. *IBM Systems Journal*, 4(1):73–80, 1965. CODEN IBMSA7. ISSN 0018-8670.
- [Hai89] **Haims:1989:B**
Murray J. Haims. Books. *IBM Systems Journal*, 28(3):494, 1989. CODEN IBMSA7. ISSN 0018-8670.
- [Hak90] **Hakeda:1990:IOC**
Y. Hakeda. The Image Object Content Architecture. *IBM Systems Journal*, 29(3):333–342, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [Hal77] **Halstead:1977:FLC**
M. H. Halstead. Forum: On lines of code and readability. *IBM Systems Journal*, 16(4):421–422, 1977. CODEN IBMSA7. ISSN 0018-8670. See [WF77b, WF77a].
- [Ham82] **Hammond:1982:MCI**
Lynn W. Hammond. Management considerations for an Information Center. *IBM Systems Journal*, 21(2):131–161, 1982. CODEN IBMSA7. ISSN 0018-8670.
- [Han70] **Hanford:1970:AGT**
K. V. Hanford. Automatic generation of test cases. *IBM Systems Journal*, 9(4):242–257, 1970. CODEN IBMSA7. ISSN 0018-8670.
- [Han80] **Handelman:1980:HCG**
S. W. Handelman. A high-resolution computer graphics system. *IBM Systems Journal*, 19(3):356–366, 1980. CODEN IBMSA7. ISSN 0018-8670.
- [Har80] **Harrison:1980:DPC**
Edward S. Harrison. Distributed processing communications software support for operation within an SNA network. *IBM Systems Journal*, 19(2):192–207, 1980. CODEN IBMSA7. ISSN 0018-8670.
- [Har03] **Hartung:2003:ITE**
M. Hartung. IBM TotalStorage Enterprise Storage Server: a designer’s view. *IBM Systems Journal*, 42(2):383–396, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/422/hartung.pdf>.
- [Hau68] **Hauth:1968:TTM**
C. Hauth. Turnaround time for messages of differing priorities. *IBM Systems Journal*, 7(2):103–122, 1968. CODEN IBMSA7. ISSN 0018-8670.

- [Hav68] **Havender:1968:ADM**
 J. W. Havender. Avoiding deadlock in multitasking systems. *IBM Systems Journal*, 7(2):74–84, 1968. CODEN IBMSA7. ISSN 0018-8670.
- [Haz96] **Hazony:1996:SGP**
 Y. Hazony. System generator for producing manufacturing applications. *IBM Systems Journal*, 35(1):69–93, 1996. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj35-1.html#five>.
- [HB85] **Hoffnagle:1985:ASD**
 G. F. Hoffnagle and W. E. Beregi. Automating the software development process. *IBM Systems Journal*, 24(2):102–120, 1985. CODEN IBMSA7. ISSN 0018-8670.
- [HB05] **Harper:2005:STI**
 S. Harper and S. Bechhofer. Semantic triage for increased web accessibility. *IBM Systems Journal*, 44(3):637–648, ??? 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/443/harper.html>.
- [HBBWS01] **Hild:2001:AHP**
 S. G. Hild, C. Binding, D. Bourges-Waldeg, and C. Steenkeste. Application hosting for pervasive computing. *IBM Systems Journal*, 40(1):193–219, ??? 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/401/hild.html>.
- [HBC+94] **Heineman:1994:ETS**
 G. T. Heineman, J. E. Botsford, G. Caldiera, G. E. Kaiser, M. I. Kellner, and N. H. Madhavji. Emerging technologies that support a software process life cycle. *IBM Systems Journal*, 33(3):501–529, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-3.html#eight>. G321-5553.
- [HBC+05] **Hanson:2005:IWA**
 V. L. Hanson, J. P. Brezin, S. Crayne, S. Keates, R. Kjeldsen, J. T. Richards, C. Swart, and S. Trewin. Improving Web accessibility through an enhanced open-source browser. *IBM Systems Journal*, 44(3):573–588, ??? 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/443/hanson.html>.
- [HBM+04] **Horn:2004:LSB**
 B. Horn, H. Balakrishnan, B. T. Maniampadavathu, J. Warnes, and D. A. Elko. A Logger System based on Web services. *IBM Systems Journal*, 43(4):723–733, ??? 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/434/horn.html>; <http://www.research.ibm.com/journal/sj/434/horn.html>.

- [//www.research.ibm.com/journal/sj/434/horn.pdf](http://www.research.ibm.com/journal/sj/434/horn.pdf); <http://www.research.ibm.com/journal/sj/434/horn.txt>.
- [HBR86] E. D. Hodil, C. W. Butler, and G. L. Richardson. Knowledge-based systems in the commercial environment. *IBM Systems Journal*, 25(2):147–158, 1986. CODEN IBMSA7. ISSN 0018-8670.
- [HBZ06] S. Hinkelman, D. Buddenbaum, and L.-J. Zhang. Emerging patterns in the use of XML for information modeling in vertical industries. *IBM Systems Journal*, 45(2):373–378, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/452/hinkelman.html>.
- [HCGT90] W. B. Harding, C. M. Clark, C. L. Gallo, and H. Tang. Object storage hierarchy management. *IBM Systems Journal*, 29(3):384–397, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [HCR⁺07] M. Hehenberger, A. Chatterjee, U. Reddy, J. Hernandez, and J. Sprengel. IT solutions for imaging biomarkers in biopharmaceutical research and development. *IBM Systems Journal*, 46(1):183–198, 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/461/hehenberger.html>.
- [HD77] George F. Heyne and Chester J. Daniel. Design techniques for a user controlled DB/DC system. *IBM Systems Journal*, 16(4):344–362, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [HD88] P. Halpern and J. V. Dave. Interactive computations and display of characteristics of the radiation scattered by a sphere: A demonstration for PS/2 Model 80. *IBM Systems Journal*, 27(4):561–569, November 1988. CODEN IBMSA7. ISSN 0018-8670.
- [HDH88] W. K. Haynes, M. E. Dewell, and P. J. Herman. The Cross System Product application generator: An evolution. *IBM Systems Journal*, 27(3):384–390, 1988. CODEN IBMSA7. ISSN 0018-8670.
- [HDS03] R. Haas, P. Droz, and B. Stiller. Autonomic service deployment in networks. *IBM Systems Journal*, 42(1):150–164, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/421/haas.pdf>.

- [Hed63] **Hedberg:1963:DIP**
R. Hedberg. Design of an integrated programming and operating system, part III: The expanded function of the loader. *IBM Systems Journal*, 2:298–310, September/December 1963. CODEN IBMSA7. ISSN 0018-8670.
- [Hed03] **Hedger:2003:B**
Richard J. Hedger. Books. *IBM Systems Journal*, 42(2):397–399, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/422/books.pdf>.
- [Hei63] **Heising:1963:NRA**
W. P. Heising. Note on random addressing techniques. *IBM Systems Journal*, 2:112–116, June 1963. CODEN IBMSA7. ISSN 0018-8670.
- [Hei85] **Hein:1985:ISM**
K. P. Hein. Information system model and architecture generator. *IBM Systems Journal*, 24(3-4):213–235, 1985. CODEN IBMSA7. ISSN 0018-8670.
- [Hei90] **Hein:1990:DNP**
K. P. Hein. DevelopMate: a new paradigm for information system enabling. *IBM Systems Journal*, 29(2):250–264, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [Hel69] **Hellerman:1969:SPT**
H. Hellerman. Some principles of time-sharing scheduler strategies. *IBM Systems Journal*, 8(2):94–117, 1969. CODEN IBMSA7. ISSN 0018-8670.
- [Hel81] **Helander:1981:ISU**
G. A. Helander. Improving system usability for business professionals. *IBM Systems Journal*, 20(3):294–305, 1981. CODEN IBMSA7. ISSN 0018-8670.
- [Hel90] **Helms:1990:IIT**
R. M. Helms. Introduction to image technology. *IBM Systems Journal*, 29(3):313–332, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [Hem90] **Hembry:1990:KSA**
D. M. Hembry. Knowledge-based systems in the AD/Cycle environment. *IBM Systems Journal*, 29(2):274–286, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [Hen69] **Henry:1969:HSD**
W. R. Henry. Hierarchical structure for data management. *IBM Systems Journal*, 8(1):2–15, 1969. CODEN IBMSA7. ISSN 0018-8670.
- [Hen86] **Henry:1986:ISA**
G. G. Henry. IBM small-system architecture and design — past, present, and future. *IBM Systems Journal*, 25(3-4):321–333, 1986. CODEN IBMSA7. ISSN 0018-8670.

- [Hen98] **Henders:1998:EAA** R. A. Henders. An evolutionary approach to application development with object technology. *IBM Systems Journal*, 37(2):181–188, 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/372/henders.html>. [HG71]
- [Hes05] **Hess:2005:ATB** H. M. Hess. Aligning technology and business: Applying patterns for legacy transformation. *IBM Systems Journal*, 44(1):25–45, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/441/hess.html>; <http://www.research.ibm.com/journal/sj/441/hess.pdf>; <http://www.research.ibm.com/journal/sj/441/hess.txt>. [HGB05]
- [HFB⁺08] **Haataia:2008:EAS** Bob Haataia, Scott Fredericksen, Eliot Burris, Lauren Bragg, Kent W. Eastley, and John Bird. Enhancing availability with service automation and a trusted support partner. *IBM Systems Journal*, 47(4):667–680, 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/474/haataia.pdf>. [HGW01]
- Hatfield:1971:PRV** D. J. Hatfield and J. Gerald. Program restructuring for virtual memory. *IBM Systems Journal*, 10(3):168–192, March 1971. CODEN IBMSA7. ISSN 0018-8670.
- [HG86] **Hagaman:1986:NRK** W. D. Hagamen and M. Gardy. The numeric representation of knowledge and logic — two artificial intelligence applications in medical education. *IBM Systems Journal*, 25(2):207–235, 1986. CODEN IBMSA7. ISSN 0018-8670.
- Hoffman:2005:DSA** D. Hoffman, E. Grivel, and L. Battle. Designing software architectures to facilitate accessible Web applications. *IBM Systems Journal*, 44(3):467–483, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/443/hoffman.html>.
- Head-Gordon:2001:CCS** T. Head-Gordon and J. C. Wooley. Computational challenges in structural and functional genomics. *IBM Systems Journal*, 40(2):265–296, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/402/headgordon.html>; <http://www.research.ibm.com/journal/sj/402/headgordon.pdf>; <http://www.research.ibm.com/journal/sj/402/headgordon.pdf>; <http://www.research.ibm.com/journal/sj/402/headgordon.pdf>.

- ibm.com/journal/sj/402/headgordon.txt.
- [HH66] S. G. Hahn and E. V. Hankam. Kernel analysis of elliptic partial differential equations. *IBM Systems Journal*, 5(4):248–270, 1966. CODEN IBMSA7. ISSN 0018-8670.
- [HH79] E. C. Hendricks and T. C. Hartmann. Evolution of a virtual machine subsystem. *IBM Systems Journal*, 18(1):111–142, 1979. CODEN IBMSA7. ISSN 0018-8670.
- [HH08] Stephen Heisig and Jonathan R. M. Hosking. Scoring and thresholding for availability. *IBM Systems Journal*, 47(4):653–666, 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/474/heisig.pdf>.
- [HHM04] E. N. Herness, R. J. High, and J. R. McGee. WebSphere application server: a foundation for on demand computing. *IBM Systems Journal*, 43(2):213–237, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/432/herness.html>; <http://www.research.ibm.com/journal/sj/432/herness.pdf>; <http://www.research.ibm.com/journal/sj/402/headgordon.txt>.
- [HHP79] John R. Halsey, Leslie E. Hardy, and Leo F. Powning. Public data networks: Their evolution, interfaces, and status. *IBM Systems Journal*, 18(2):223–243, 1979. CODEN IBMSA7. ISSN 0018-8670.
- [HSS01] E.-M. Hamann, H. Henn, T. Schäck, and F. Seliger. Securing e-business applications using smart cards. *IBM Systems Journal*, 40(3):635–647, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/403/hamann.html>; <http://www.research.ibm.com/journal/sj/403/hamann.pdf>.
- [HIP+03] Lorraine Herger, Kazuo Iwano, Pratap Pattnaik, John J. Ritisko, and Alfred G. Davis. Preface. *IBM Systems Journal*, 42(1):3–4, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/421/preface.pdf>.
- [Hir81] R. S. Hirsch. Procedures of the Human Factors Center at San Jose. *IBM Systems Journal*, 20(2):123–171, 1981. CODEN IBMSA7. ISSN 0018-8670.

- [Hir90] **Hirao:1990:ERD**
T. Hirao. Extension of the relational database semantic processing model. *IBM Systems Journal*, 29(4):539–550, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [HJ84] **Haderle:1984:IDO**
Donald J. Haderle and Robert D. Jackson. IBM database 2 overview. *IBM Systems Journal*, 23(2):112–125, 1984. CODEN IBMSA7. ISSN 0018-8670.
- [HJM⁺82] **Heidorn:1982:ETS**
G. E. Heidorn, K. Jensen, L. A. Miller, R. J. Byrd, and M. S. Chodorow. The EPISTLE text-critiquing system. *IBM Systems Journal*, 21(3):305–326, 1982. CODEN IBMSA7. ISSN 0018-8670.
- [HK65] **Held:1965:CDD**
M. Held and R. M. Karp. The construction of discrete dynamic programming algorithms. *IBM Systems Journal*, 4(2):136–147, 1965. CODEN IBMSA7. ISSN 0018-8670.
- [HKLS03] **Huang:2003:TID**
H. Huang, C. Keser, J. Leland, and J. Shachat. Trust, the Internet, and the digital divide. *IBM Systems Journal*, 42(3):507–518, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/423/huang.pdf>.
- [HKOS96] **Harrison:1996:TND**
W. H. Harrison, H. Kilov, H. L. Ossher, and I. Simmonds. Technical note — from dynamic supertypes to subjects: a natural way to specify and develop systems. *IBM Systems Journal*, 35(2):244–256, 1996. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj35-2.html#nine>.
- [HKS71] **Hanssmann:1971:MCC**
F. Hanssmann, W. Kistler, and H. Schulz. Modeling for computing center planning. *IBM Systems Journal*, 10(4):305–324, 1971. CODEN IBMSA7. ISSN 0018-8670.
- [HKS08] **High:2008:CMC**
Rob High, Jr., Gopal Krishnan, and Matt Sanchez. Creating and maintaining coherency in loosely coupled systems. *IBM Systems Journal*, 47(3):357–376, 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/473/high.pdf>.
- [HL76] **Hassitt:1976:AES**
A. Hassitt and L. E. Lyon. An APL emulator on System/370. *IBM Systems Journal*, 15(4):358–378, 1976. CODEN IBMSA7. ISSN 0018-8670.
- [HLLW72] **Hagaman:1972:EVI**
W. D. Hagamen, D. J. Linden, H. S. Long, and J. C. Weber.

- Encoding verbal information as unique numbers. *IBM Systems Journal*, 11(4):278–315, 1972. CODEN IBMSA7. ISSN 0018-8670.
- [HLM⁺75] Wilbur D. Hagamen, D. J. Linden, K. F. Mai, S. M. Newell, and J. C. Weber. A program generator. *IBM Systems Journal*, 14(2):102–133, 1975. CODEN IBMSA7. ISSN 0018-8670.
- [HLM95] M. L. Hess, J. A. Lorrain, and G. R. McGee. Multiprotocol networking — a blueprint. *IBM Systems Journal*, 34(3):330–346, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-3.html#two>.
- [HLR02] L. M. Haas, E. T. Lin, and M. A. Roth. Data integration through database federation. *IBM Systems Journal*, 41(4):578–596, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/414/haas.pdf>.
- [HLT94] P. A. Hausler, R. C. Linger, and C. J. Trammell. Adopting Cleanroom software engineering with a phased approach. *IBM Systems Journal*, 33(1):89–109, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-1.html#six>. G321-5534.
- [HM93] A. R. Hevner and H. D. Mills. Box-structured methods for systems development with objects. *IBM Systems Journal*, 32(2):232–251, 1993. CODEN IBMSA7. ISSN 0018-8670. G321-5511.
- [HM06] Paul Horn and Steven Mills. Introduction. *IBM Systems Journal*, 45(2):??, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/452/intro.html>.
- [HMP02] J. L. Hellerstein, S. Ma, and C.-S. Perng. Discovering actionable patterns in event data. *IBM Systems Journal*, 41(3):475–493, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/413/hellerstein.html>.
- [HMS92] F. K. Hebeker, R. R. Maly, and S. U. Schoeffel. Numerical simulation of reactive flow on the IBM ES/3090 vector multiprocessor. *IBM Systems Journal*, 31(4):788–797, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5498.

- [HN98] **Herzberg:1998:SCS** A. Herzberg and D. Naor. Surf'N'Sign: Client signatures on Web documents. *IBM Systems Journal*, 37(1):61–71, 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/371/herzberg.html>. [Hob76]
- [HNN02] **Hondo:2002:SWS** M. Hondo, N. Nagaratnam, and A. Nadalin. Securing Web services. *IBM Systems Journal*, 41(2):228–241, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/412/hondo.html>; <http://www.research.ibm.com/journal/sj/412/hondo.pdf>; <http://www.research.ibm.com/journal/sj/412/hondo.txt>. [Hoe89] [Hof89a]
- [HO07] **Hsu:2007:WSE** W. W. Hsu and S. Ong. WORM storage is not enough. *IBM Systems Journal*, 46(2):363–??, 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/462/hsu.html>. [Hof89c]
- [Hob72] **Hobgood:1972:EIS** W. S. Hobgood. Evaluation of an interactive-batch system network. *IBM Systems Journal*, 11(1):2–15, 1972. CODEN IBMSA7. ISSN 0018-8670. [Hof90a]
- Hobgood:1976:RNC** W. Sands Hobgood. The role of the Network Control Program in Systems Network Architecture. *IBM Systems Journal*, 15(1):39–52, 1976. CODEN IBMSA7. ISSN 0018-8670.
- Hoernes:1989:RT** G. E. Hoernes. REXX on TSO/E. *IBM Systems Journal*, 28(2):274–293, 1989. CODEN IBMSA7. ISSN 0018-8670.
- Hoffnagle:1989:Pa** Gene Hoffnagle. Preface. *IBM Systems Journal*, 28(2):194–195, 1989. CODEN IBMSA7. ISSN 0018-8670.
- Hoffnagle:1989:Pb** Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 28(3):358–359, 1989. CODEN IBMSA7. ISSN 0018-8670. [Hof89b]
- Hoffnagle:1989:Pc** Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 28(4):500–501, 1989. CODEN IBMSA7. ISSN 0018-8670.
- Hoffnagle:1990:Pa** Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 29(1):2–3, 1990. CODEN IBMSA7. ISSN 0018-8670. [Hof90a]
- Hoffnagle:1990:Pb** Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 29(2):168–169, 1990. CODEN IBMSA7. ISSN 0018-8670. [Hof90b]

Hoffnagle:1990:Pc

[Hof90c] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 29(3):302–303, 1990. CODEN IBMSA7. ISSN 0018-8670.

Hoffnagle:1990:Pd

[Hof90d] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 29(4):492–493, 1990. CODEN IBMSA7. ISSN 0018-8670.

Hoffnagle:1991:Pa

[Hof91a] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 30(1):2–3, 1991. CODEN IBMSA7. ISSN 0018-8670.

Hoffnagle:1991:Pb

[Hof91b] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 30(2):128–129, 1991. CODEN IBMSA7. ISSN 0018-8670.

Hoffnagle:1991:Pc

[Hof91c] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 30(3):248–249, 1991. CODEN IBMSA7. ISSN 0018-8670.

Hoffnagle:1991:Pd

[Hof91d] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 30(4):414–415, 1991. CODEN IBMSA7. ISSN 0018-8670.

Hoffnagle:1992:Pa

[Hof92a] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 31(1):2–3, 1992. CODEN IBMSA7. ISSN 0018-8670.

Hoffnagle:1992:Pb

[Hof92b] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 31(2):152–153, 1992. CODEN IBMSA7. ISSN 0018-8670.

Hoffnagle:1992:Pc

[Hof92c] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 31(3):412–413, 1992. CODEN IBMSA7. ISSN 0018-8670.

Hoffnagle:1992:Pd

[Hof92d] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 31(4):618–619, 1992. CODEN IBMSA7. ISSN 0018-8670.

Hoffnagle:1993:Pa

[Hof93a] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 32(1):2–3, 1993. CODEN IBMSA7. ISSN 0018-8670.

Hoffnagle:1993:Pb

[Hof93b] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 32(2):230–231, 1993. CODEN IBMSA7. ISSN 0018-8670.

Hoffnagle:1993:Pc

[Hof93c] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 32(3):374–375, 1993. CODEN IBMSA7. ISSN 0018-8670.

Hoffnagle:1993:Pd

[Hof93d] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 32(4):546–547, 1993. CODEN IBMSA7. ISSN 0018-8670.

- [Hof94a] **Hoffnagle:1994:Pa**
Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 33(1):2-3, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-1.html#one>.
- [Hof94b] **Hoffnagle:1994:Pb**
Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 33(2):226-227, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-2.html#one>.
- [Hof94c] **Hoffnagle:1994:Pc**
Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 33(3):380-381, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-3.html#one>.
- [Hof94d] **Hoffnagle:1994:Pd**
Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 33(4):536, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-4.html#one>.
- [Hof95a] **Hoffnagle:1995:Pa**
Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 34(1):2-3, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-1.html#one>.
- [Hof95b] **Hoffnagle:1995:Pb**
Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 34(2):144-145, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-1.html#one>. Issue Order No. G321-0120.
- [Hof95c] **Hoffnagle:1995:Pc**
Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 34(3):328-329, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-3.html#one>.
- [Hof95d] **Hoffnagle:1995:Pd**
Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 34(4):552-553, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-4.html#one>. Issue Order No. G321-0122.
- [Hof96a] **Hoffnagle:1996:Pa**
Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 35(1):2-3, 1996. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj35-1.html#one>. Issue Order No. G321-0123.

- [Hof96b] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 35(2):122–123, 1996. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj35-2.html#one>.
- [Hof96c] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 35(3&4):265, 1996. CODEN IBMSA7. ISSN 0018-8670.
- [Hof97a] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 36(1):??, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/361/preface.html>.
- [Hof97b] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 36(2):170–171, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/362/preface.html>.
- [Hof97c] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 36(3):372–373, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/363/preface.html>.
- [Hof97d] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 36(4):472–473, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/364/preface.html>.
- [Hof98a] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 37(1):2–3, 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/371/preface.html>.
- [Hof98b] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 37(2):154–155, ??? 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/372/preface.html>.
- [Hof98c] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 37(3):306–307, ??? 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/373/preface.html>.
- [Hof98d] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 37(4):

- 482–483, ????. 1998. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/374/preface.html>.
- [Hof99a] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 38(1):2–??, ????. 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/381/preface.html>.
- [Hof99b] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 38(2–3):2–134, ????. 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/382/preface.pdf>.
- [Hof99c] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 38(4):502–503, ????. 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/384/preface.html>.
- [Hof00a] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 39(1):2–3, ????. 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/391/preface.html>.
- [Hof00b] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 39(2):242–243, ????. 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/392/preface.html>.
- [Hof00c] Gene F. Hoffnagle. Preface. *IBM Systems Journal*, 39(3/4):415–??, ????. 2000. CODEN IBMSA7. ISSN 0018-8670.
- [Hop87] Martin E. Hopkins. A perspective on the 801/Reduced Instruction Set Computer. *IBM Systems Journal*, 26(1):107–121, January 1987. CODEN IBMSA7. ISSN 0018-8670.
- [HOST05] W. Harrison, H. Ossher, S. Sutton, and P. Tarr. Supporting aspect-oriented software development with the Concern Manipulation Environment. *IBM Systems Journal*, 44(2):309–318, ????. 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/442/harrison.html>; <http://www.research.ibm.com/journal/sj/442/harrison.pdf>; <http://www.research.ibm.com/journal/sj/442/harrison.txt>.
- [Hou93] D. Hough. Rapid Delivery: An evolutionary approach for ap-

Hoffnagle:2000:Pb**Hoffnagle:1999:Pa****Hoffnagle:2000:Pc****Hoffnagle:1999:Pb****Hopkins:1987:PIs****Hoffnagle:1999:Pc****Harrison:2005:SAO****Hoffnagle:2000:Pa****Hough:1993:RDE**

- plication development. *IBM Systems Journal*, 32(3):397–419, 1993. CODEN IBMSA7. ISSN 0018-8670. G321-5518. [HR81]
- [HP93] R. J. Howarth and B. G. Platte. The continuing evolution of Advanced Function Printing. *IBM Systems Journal*, 32(4):665–683, 1993. CODEN IBMSA7. ISSN 0018-8670. G321-5529. **Howarth:1993:CEA**
- [HP95] S. C. Hayne and M. Pendergast. Experiences with object-oriented group support software development. *IBM Systems Journal*, 34(1):96–119, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-1.html#seven>. [HRL87] **Hayne:1995:EOG**
- [HPPS75] Richard O. Hippert, Jr., Lubos R. Palounek, John Provetero, and Ralph O. Skatrud. Reliability, availability, and serviceability design considerations for the Supermarket and Retail Store Systems. *IBM Systems Journal*, 14(1):81–95, 1975. CODEN IBMSA7. ISSN 0018-8670. [HRL99] **Hippert:1975:RAS**
- [HPSS79] L. H. Holley, R. P. Parmelee, C. A. Salisbury, and D. N. Saul. VM/370 asymmetric multiprocessing. *IBM Systems Journal*, 18(1):47–70, 1979. CODEN IBMSA7. ISSN 0018-8670. [HS65] **Holley:1979:VAM**
- Halpern:1981:USA**
P. Halpern and J. W. Rettberg. User-definable software applied to a real-time ambient air quality monitoring system. *IBM Systems Journal*, 20(1):86–103, 1981. CODEN IBMSA7. ISSN 0018-8670.
- Hong:2002:P**
Se June Hong, John J. Ritsko, and Alex Birman. Preface. *IBM Systems Journal*, 41(3):328–330, ??? 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/413/preface.html>.
- Halpern:1987:IPS**
P. Halpern, S. M. Roberts, and L. Lopez. An incidence-matrix-driven panel system for the IBM PC. *IBM Systems Journal*, 26(2):201–214, 1987. CODEN IBMSA7. ISSN 0018-8670.
- Harris:1999:ERT**
T. Harris, J. W. Rothwell, and P. T. L. Lloyd. Experiences in reusing technical reference architectures. *IBM Systems Journal*, 38(1):98–117, ??? 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/381/harris.html>.
- Herscovitch:1965:GEG**
H. Herscovitch and T. H. Schneider. GPSS III—an expanded general purpose simu-

- lator. *IBM Systems Journal*, 4(3):174–183, 1965. CODEN IBMSA7. ISSN 0018-8670. [HS03]
- Housel:1983:SDS**
- [HS83] B. C. Housel and C. J. Scopinich. SNA distribution services. *IBM Systems Journal*, 23(4):319–343, 1983. CODEN IBMSA7. ISSN 0018-8670.
- Harrison:1987:SSF**
- [HS87] E. S. Harrison and E. J. Schmitt. The structure of System/88, a fault-tolerant computer. *IBM Systems Journal*, 26(3):293–318, 1987. CODEN IBMSA7. ISSN 0018-8670. [HS08]
- Housel:2000:EES**
- [HS00] B. C. Housel and I. Shields. Emulator Express: a system for optimizing emulator performance for wireless networks. *IBM Systems Journal*, 39(2):384–402, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/392/housel.html>. [HSK+01]
- Hailpern:2002:SDT**
- [HS02] B. Hailpern and P. Santhanam. Software debugging, testing, and verification. *IBM Systems Journal*, 41(1):4–12, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/411/hailpern.html>; <http://www.research.ibm.com/journal/sj/411/hailpern.pdf>. [HS06]
- Hsu:2003:CTP**
- W. W. Hsu and A. J. Smith. Characteristics of I/O traffic in personal computer and server workloads. *IBM Systems Journal*, 42(2):347–372, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/422/hsu.pdf>.
- Hickey:2008:ISD**
- J. Hickey and J. Siegel. Improving service delivery through integrated quality initiatives: a case study. *IBM Systems Journal*, 47(1):167–??, January/March 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/471/hickey.html>.
- Haas:2001:DSI**
- L. M. Haas, P. M. Schwarz, P. Kodali, E. Kotlar, J. E. Rice, and W. C. Swope. DiscoveryLink: a system for integrated access to life sciences data sources. *IBM Systems Journal*, 40(2):489–511, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/402/haas.html>; <http://www.research.ibm.com/journal/sj/402/haas.pdf>; <http://www.research.ibm.com/journal/sj/402/haas.txt>.
- Hirschheim:2006:MMM**
- R. Hirschheim, A. Schwarz, and P. Todd. A market-

- ing maturity model for IT: Building a customer-centric IT organization. *IBM Systems Journal*, 45(1):181–199, ??? 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/451/hirschheim.html>.
- [HST08] D. Hart, J. Stultz, and T. Ts'o. Real-time Linux in real time. *IBM Systems Journal*, 47(2): 207–??, April/June 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/472/hart.html>.
- [HSY01] W. W. Hsu, A. J. Smith, and H. C. Young. Characteristics of production database workloads and the TPC benchmarks. *IBM Systems Journal*, 40(3):781–802, ??? 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/403/hsu.html>; <http://www.research.ibm.com/journal/sj/403/hsu.pdf>.
- [HT06] B. Hailpern and P. Tarr. Model-driven development: The good, the bad, and the ugly. *IBM Systems Journal*, 45(3):451–461, ??? 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/453/hailpern.html>.
- [Hua98] K.-T. Huang. Capitalizing on intellectual assets. *IBM Systems Journal*, 37(4):570–583, ??? 1998. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/374/huang.html>.
- [Hum85] W. S. Humphrey. The IBM large-systems software development process: Objectives and direction. *IBM Systems Journal*, 24(2):76–78, 1985. CODEN IBMSA7. ISSN 0018-8670.
- [HV93] J. C. Henderson and N. Venkatraman. Strategic alignment: Leveraging information technology for transforming organizations. *IBM Systems Journal*, 32(1):4–16, 1993. CODEN IBMSA7. ISSN 0018-8670. G321-5500.
- [HV99] J. C. Henderson and H. Venkatraman. Strategic alignment: Leveraging information technology for transforming organizations. *IBM Systems Journal*, 38(2–3):472–484, ??? 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/382/henderson.pdf>. Reprinted from [HV93].

Horn:2005:I

- [HW05] Paul Horn and Frances West. Introduction. *IBM Systems Journal*, 44(3):??, ????, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/443/intro.html>.

Hill:2006:BPW

- [HYJK06] C. Hill, R. Yates, C. Jones, and S. L. Kogan. Beyond predictable workflows: Enhancing productivity in artful business processes. *IBM Systems Journal*, 45(4):663–682, ????, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/454/hill.html>.

Hammond:1984:TAM

- [HZ84] Kenneth R. Hammond and Melvin R. Zimowski. TSO Attach: a multipurpose communication channel to IBM Database 2. *IBM Systems Journal*, 23(2):151–164, 1984. CODEN IBMSA7. ISSN 0018-8670.

Hazony:1992:CSE

- [HZ92] Y. Hazony and L. Zeidner. Customized systems for engineering applications. *IBM Systems Journal*, 31(1):94–113, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5464.

IBGT:2001:BGV

- [IBM01] IBM Blue Gene team. Blue Gene: a vision for protein

science using a petaflop supercomputer. *IBM Systems Journal*, 40(2):310–327, ????, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/402/allen.html>; <http://www.research.ibm.com/journal/sj/402/allen.pdf>; <http://www.research.ibm.com/journal/sj/402/allen.txt>.

Inman:2001:HTD

- [IFM⁺01] J. T. Inman, H. R. Flores, G. D. May, J. W. Weller, and C. J. Bell. A high-throughput distributed DNA sequence analysis and database system. *IBM Systems Journal*, 40(2):464–486, ????, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/402/inman.html>; <http://www.research.ibm.com/journal/sj/402/inman.pdf>; <http://www.research.ibm.com/journal/sj/402/inman.txt>.

Iyer:2004:FDA

- [IG04] B. Iyer and R. Gottlieb. The Four-Domain Architecture: An approach to support enterprise architecture design. *IBM Systems Journal*, 43(3):587–597, ????, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/433/iyer.html>; <http://www.research.ibm.com/journal/sj/433/iyer.pdf>; <http://www.research.ibm.com/journal/sj/433/iyer.txt>.

- /www.research.ibm.com/journal/sj/433/iyer.txt.
- Ives:1993:GBD**
- [IJM93] B. Ives, S. L. Jarvenpaa, and R. O. Mason. Global business drivers: Aligning information technology to global business strategy. *IBM Systems Journal*, 32(1):143–161, 1993. CODEN IBMSA7. ISSN 0018-8670. G321-5507.
- Immanuel:1995:ASN**
- [IKS⁺95] C. P. Immanuel, G. M. Kump, H. J. Sandick, D. A. Sinicrope, and K. V. Vu. Access services for the Networking BroadBand Services architecture. *IBM Systems Journal*, 34(4):659–671, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-4.html#eight>.
- Ihde:2001:IBT**
- [IMMB01] S. C. Ihde, P. P. Maglio, J. Meyer, and R. Barrett. Intermediary-based transcoding framework. *IBM Systems Journal*, 40(1):179–192, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/401/ihde.html>.
- Inman:1998:EMA**
- [Inm98] E. E. Inman. Enterprise modeling advantages of San Francisco for general ledger systems. *IBM Systems Journal*, 37(2):170–180, 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/372/inman.html>.
- Irlbeck:1992:NSA**
- [Irl92] B. W. Irlbeck. Network and system automation and remote system operation. *IBM Systems Journal*, 31(2):206–222, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5470.
- Inokuchi:2007:MCI**
- [ITIW07] A. Inokuchi, K. Takeda, N. Inaoka, and F. Wakao. MedTAKMI-CDI: Interactive knowledge discovery for clinical decision intelligence. *IBM Systems Journal*, 46(1):115–133, 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/461/inokuchi.html>.
- Iverson:1963:PNS**
- [Ive63] K. E. Iverson. Programming notation in systems design. *IBM Systems Journal*, 2:117–128, June 1963. CODEN IBMSA7. ISSN 0018-8670.
- Iverson:1991:PVA**
- [Ive91] K. E. Iverson. A personal view of APL. *IBM Systems Journal*, 30(4):582–593, 1991. CODEN IBMSA7. ISSN 0018-8670.
- Iverson:1999:PNS**
- [Ive99] K. E. Iverson. Programming notation in systems design. *IBM Systems Journal*, 38(2–3):139–150, 1999. CO-

- DEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/382/iverson.pdf>. Reprinted from [Ive63]. [JB91]
- Johnson:2000:ISM**
- [JA00] V. M. Johnson and D. K. Austreng. IBM SanFrancisco: Moving into the marketplace. *IBM Systems Journal*, 39(2): 244–247, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/392/johnson.html>. [JB96]
- Jacobsen:1968:IGD**
- [Jac68] J. D. Jacobsen. Interactive graphics in data processing: Geometric relationships for retrieval of geographic information. *IBM Systems Journal*, 7(3/4):331–341, 1968. CODEN IBMSA7. ISSN 0018-8670. [JBB03]
- Jacobsen:1977:FCC**
- [Jac77] Tom Jacobsen. Forum: On compilability and composite design. *IBM Systems Journal*, 16(2):196, 1977. CODEN IBMSA7. ISSN 0018-8670. [JCT+97]
- Jews:2008:IPS**
- [JAS08] Curts Jews, Riaz Ahmad, and David H. Surman. IBM Parallel Sysplex clustering: Technology options for continuous availability. *IBM Systems Journal*, 47(4):505–518, 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/474/jews.pdf>. [JD70]
- Jensen:1991:PNF**
- J. R. Jensen and K. A. Beaty. Putting a new face on APL2. *IBM Systems Journal*, 30(4): 469–489, 1991. CODEN IBMSA7. ISSN 0018-8670.
- Jacobson:1996:CDC**
- N. Jacobson and W. Bender. Color as a determined communication. *IBM Systems Journal*, 35(3&4):526–538, 1996. CODEN IBMSA7. ISSN 0018-8670.
- Jann:2003:DRB**
- J. Jann, L. M. Browning, and R. S. Burugula. Dynamic reconfiguration: Basic building blocks for autonomic computing on IBM pSeries servers. *IBM Systems Journal*, 42(1): 29–37, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/421/jann.pdf>.
- Jacobson:1997:LB**
- J. Jacobson, B. Comiskey, C. Turner, J. Albert, and P. Tsao. The last book. *IBM Systems Journal*, 36(3):457–463, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/363/jacobson.html>.
- Jacobs:1970:ISF**
- J. H. Jacobs and T. J. Dillon. Interactive Saturn flight pro-

- gram simulator. *IBM Systems Journal*, 9(2):145–158, 1970. CODEN IBMSA7. ISSN 0018-8670.
- [JD91] D. B. Johnson and G. M. Dolan. Transaction Security System extensions to the Common Cryptographic Architecture. *IBM Systems Journal*, 30(2):230–243, 1991. CODEN IBMSA7. ISSN 0018-8670.
- [JDK⁺91] D. B. Johnson, G. M. Dolan, M. J. Kelly, A. V. Le, and S. M. Matyas. Common Cryptographic Architecture Cryptographic Application Programming Interface. *IBM Systems Journal*, 30(2):130–150, 1991. CODEN IBMSA7. ISSN 0018-8670.
- [JEF04] J. Joseph, M. Ernest, and C. Fellenstein. Evolution of grid computing architecture and grid adoption models. *IBM Systems Journal*, 43(4):624–645, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/434/joseph.html>; <http://www.research.ibm.com/journal/sj/434/joseph.pdf>; <http://www.research.ibm.com/journal/sj/434/joseph.txt>.
- [Jen79] R. M. Jensen. A formal approach for communication be-
- etween logically isolated virtual machines. *IBM Systems Journal*, 18(1):71–92, 1979. CODEN IBMSA7. ISSN 0018-8670.
- [Jen92] T. Jennings. Estimating the fault rate function. *IBM Systems Journal*, 31(2):300–312, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5475.
- [JG07] C. M. Johnson and T. W. A. Grandison. Compliance with data protection laws using Hippocratic Database active enforcement and auditing. *IBM Systems Journal*, 46(2):255–??, 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/462/johnson.html>.
- [JH1007] M. W. Johnson, A. Hately, B. A. Miller, and R. Orr. Evolving standards for IT service management. *IBM Systems Journal*, 46(3):583–??, July/September 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/463/johnson.html>.

- research.ibm.com/journal/sj/463/johnson.html.
- [JK92a] D. L. Jensen and A. J. King. A decomposition method for quadratic programming. *IBM Systems Journal*, 31(1):39–48, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5459.
- [JK92b] D. L. Jensen and A. J. King. Frontier: a graphical interface for portfolio optimization in a piecewise linear-quadratic risk framework. *IBM Systems Journal*, 31(1):62–70, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5461.
- [JL00] E. J. Jaufmann, Jr. and D. C. Logan. The use of IBM San-Francisco core business processes in human resources scheduling. *IBM Systems Journal*, 39(2):285–292, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/392/jaufmann.html>.
- [JMNT97] J. W. Josten, C. Mohan, I. Narang, and J. Z. Teng. DB2's use of the coupling facility for data sharing. *IBM Systems Journal*, 36(2):327–351, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/362/josten.html>.
- [JMP02] **Jensen:1992:DMQ**
- [JMV69] **Jensen:1992:FGI**
- [JMW83] **Jaufmann:2000:UIS**
- [JMZ92] **Josten:1997:DUC**
- [Mattos:2002:IIR] A. D. Jhingran, N. Mattos, and H. Pirahesh. Information integration: a research agenda. *IBM Systems Journal*, 41(4):555–562, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/414/preface.pdf>.
- [Jephson:1969:TCD] J. S. Jephson, R. P. Mcquarrie, and R. E. Vogelsberg. A three-value computer design verification system. *IBM Systems Journal*, 8(3):178–188, 1969. CODEN IBMSA7. ISSN 0018-8670.
- [Jaffe:1983:SRP] J. M. Jaffe, F. H. Moss, and R. A. Weingarten. SNA routing: Past, present, and possible future. *IBM Systems Journal*, 23(4):417–434, 1983. CODEN IBMSA7. ISSN 0018-8670.
- [Janson:1992:ADO] P. Janson, R. Molva, and S. Zatti. Architectural directions for opening IBM networks: The case of OSI. *IBM Systems Journal*, 31(2):313–335, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5476.
- [Johnson:1992:RDF] E. L. Johnson and G. L. Nemhauser. Recent developments and future directions in mathematical programming. *IBM Systems Journal*, 31(1):

- 79–93, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5463.
- [Joh68] C. I. Johnson. Interactive graphics in data processing: Principles of interactive systems. *IBM Systems Journal*, 7(3/4):147–173, 1968. CODEN IBMSA7. ISSN 0018-8670.
- [Joh95] D. B. Johnson. Books: “Network Security: Private Communication in a Public World”, by Charlie Kaufman, Radia Perlman, and Mike Speciner. *IBM Systems Journal*, 34(4):752–753, 1995. CODEN IBMSA7. ISSN 0018-8670.
- [Joh97] P. Johnson. The importance of systems management for a Parallel Sysplex. *IBM Systems Journal*, 36(2):301–326, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/362/johnson.html>.
- [Jon77] Alice U. Jones. A user-oriented data-base retrieval system. *IBM Systems Journal*, 16(1):4–17, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [Jon78] T. Capers Jones. Measuring programming quality and productivity. *IBM Systems Journal*, 17(1):39–63, 1978. CODEN IBMSA7. ISSN 0018-8670.
- [Jon85] C. L. Jones. A process-integrated approach to defect prevention. *IBM Systems Journal*, 24(2):150–167, 1985. CODEN IBMSA7. ISSN 0018-8670.
- [Jos81] Philip H. Joslin. System Productivity Facility. *IBM Systems Journal*, 20(4):388–406, 1981. CODEN IBMSA7. ISSN 0018-8670.
- [JOZG02] D. E. Johnson, F. J. Oles, T. Zhang, and T. Goetz. A decision-tree-based symbolic rule induction system for text categorization. *IBM Systems Journal*, 41(3):428–437, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/413/johnson.html>.
- [JR04] R. D. Johnson and D. Reimer. Issues in the development of transactional Web applications. *IBM Systems Journal*, 43(2):430–440, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/432/johnson.html>; <http://www.research.ibm.com/journal/sj/432/johnson.pdf>; <http://www.research.ibm.com/journal/sj/432/johnson.txt>.

- [JRD81] **Judisch:1981:EMS**
 J. M. Judisch, B. A. Rupp, and R. A. Dassinger. Effects of manual style on performance in education and machine maintenance. *IBM Systems Journal*, 20(2):172–183, 1981. CODEN IBMSA7. ISSN 0018-8670.
- [JRG⁺01] **Jurisica:2001:IDS**
 I. Jurisica, P. Rogers, J. I. Glasgow, S. Fortier, J. R. Luft, J. R. Wolfley, M. A. Bianca, D. R. Weeks, and G. T. DeTitta. Intelligent decision support for protein crystal growth. *IBM Systems Journal*, 40(2):394–409, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/402/jurisica.html>; <http://www.research.ibm.com/journal/sj/402/jurisica.pdf>; <http://www.research.ibm.com/journal/sj/402/jurisica.txt>.
- [JRST07] **Joshi:2007:IDS**
 N. Joshi, W. Riley, J. Schneider, and Y.-S. Tan. Integration of domain-specific IT processes and tools in IBM Service Management. *IBM Systems Journal*, 46(3):497–??, July/September 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/463/joshi.html>.
- [JSR07] **Jasinski:2007:P**
 Joseph M. Jasinski, David I. Seidman, and John J. Rit-
- [KA71] **Kuki:1971:FEL**
 H. Kuki and J. Ascoly. FORTRAN extended-precision library. *IBM Systems Journal*, 10(1):39–61, 1971. CODEN IBMSA7. ISSN 0018-8670.
- [Kah84] **Kahn:1984:OTR**
 S. Kahn. An overview of three relational data base products. *IBM Systems Journal*, 23(2):100–111, 1984. CODEN IBMSA7. ISSN 0018-8670.
- [Kan88] **Kanyuh:1988:INM**
 D. Kanyuh. An integrated network management product. *IBM Systems Journal*, 27(1):45–59, January 1988. CODEN IBMSA7. ISSN 0018-8670.
- [Kan91] **Kan:1991:MSD**
 S. H. Kan. Modeling and software development quality. *IBM Systems Journal*, 30(3):351–362, 1991. CODEN IBMSA7. ISSN 0018-8670.
- [KAN⁺07] **Kudo:2007:BPT**
 M. Kudo, Y. Araki, H. Nomiya, S. Saito, and Y. Sohda. Best practices and tools for personal information compliance management. *IBM Systems Journal*, 46(2):235–??, 2007. CODEN IBMSA7. ISSN 0018-8670.
- [KAN⁺07] **Kudo:2007:BPT**
 M. Kudo, Y. Araki, H. Nomiya, S. Saito, and Y. Sohda. Best practices and tools for personal information compliance management. *IBM Systems Journal*, 46(2):235–??, 2007. CODEN IBMSA7. ISSN 0018-8670.

0018-8670. URL <http://www.research.ibm.com/journal/sj/462/kudo.html>.

Kasson:1986:AVT

[Kas86] J. M. Kasson. Advanced voice/data telephone switching system. *IBM Systems Journal*, 25(3-4):380–398, 1986. CODEN IBMSA7. ISSN 0018-8670.

Katz:1990:BEM

[Kat90] R. L. Katz. Business/enterprise modeling. *IBM Systems Journal*, 29(4):509–525, 1990. CODEN IBMSA7. ISSN 0018-8670.

Koen:2000:TFT

[KB00] D. B. Koen and W. Bender. Time frames: Temporal augmentation of the news. *IBM Systems Journal*, 39(3/4):597–616, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part1/koen.html>; <http://www.research.ibm.com/journal/sj/393/part1/koen.pdf>; <http://www.research.ibm.com/journal/sj/393/part1/koen.txt>.

Kienzle:1997:MFS

[KBB+97] M. G. Kienzle, R. R. Berbec, G. P. Bozman, C. K. Eilert, M. Eshel, and R. Mansell. Multimedia file serving with the OS/390 LAN Server. *IBM Systems Journal*, 36(3):374–392, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556

(electronic). URL <http://www.research.ibm.com/journal/sj/363/kienzle.html>.

Kapoor:2005:TFS

[KBB+05] S. Kapoor, K. Bhattacharya, S. Buckley, P. Chowdhary, M. Ettl, K. Katircioglu, E. Mauch, and L. Phillips. A technical framework for sense-and-respond business management. *IBM Systems Journal*, 44(1):5–24, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/441/kapoor.html>; <http://www.research.ibm.com/journal/sj/441/kapoor.pdf>; <http://www.research.ibm.com/journal/sj/441/kapoor.txt>.

Kapoor:2007:SRS

[KBB+07] S. Kapoor, B. Binney, S. Buckley, H. Chang, T. Chao, M. Ettl, E. N. Luddy, R. K. Ravi, and J. Yang. Sense-and-respond supply chain using model-driven techniques. *IBM Systems Journal*, 46(4):??, October/December 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/464/kapoor.html>.

Kumaran:2007:UMD

[KBC+07] S. Kumaran, P. Bishop, T. Chao, P. Dhoolia, P. Jain, R. Jaluka, H. Ludwig, A. Moyer, and A. Nigam. Using a model-driven transformational approach and service-oriented

- architecture for service delivery management. *IBM Systems Journal*, 46(3):513–??, July/September 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/463/kumaran.html>. [KDY97]
- Karat:2003:PUE**
- [KBK+03] C. M. Karat, C. Brodie, J. Karat, J. Vergo, and S. R. Alpert. Personalizing the user experience on *ibm.com*. *IBM Systems Journal*, 42(4):686–701, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/424/brodie.pdf>. [Kee67]
- Kan:1994:SQO**
- [KBS94] S. H. Kan, V. R. Basili, and L. N. Shapiro. Software quality: An overview from the perspective of total quality management. *IBM Systems Journal*, 33(1):4–19, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-1.html#two>. G321-5530. [Kee68]
- Kan:1994:ASQ**
- [KDA+94] S. H. Kan, S. D. Dull, D. N. Amundson, R. J. Lindner, and R. J. Hedger. AS/400 software quality management. *IBM Systems Journal*, 33(1):62–88, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-1.html#five>. G321-5533. [King:1997:CAP]
- G. M. King, D. M. Dias, and P. S. Yu. Cluster architectures and S/390 Parallel Sysplex scalability. *IBM Systems Journal*, 36(2):221–241, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/362/king.html>. [Keeley:1967:AMS]
- J. F. Keeley. An application-oriented multiprocessing system, part I: Introduction. *IBM Systems Journal*, 6(2):78–79, 1967. CODEN IBMSA7. ISSN 0018-8670. [Keefe:1968:HCP]
- D. D. Keefe. Hierarchical control programs for systems evaluation. *IBM Systems Journal*, 7(2):123–133, 1968. CODEN IBMSA7. ISSN 0018-8670. [Keen:1993:ITM]
- P. G. W. Keen. Information technology and the management difference: A fusion map. *IBM Systems Journal*, 32(1):17–39, 1993. CODEN IBMSA7. ISSN 0018-8670. G321-5501. [Kennelly:2003:MVP]
- Peggy Kennelly. Message from the Vice President, On Demand Innovation Services, Research Division. *IBM Systems Journal*, 42(3):??, ????

2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/423/message.pdf>.
- [Kes03] C. Keser. Experimental games for the design of reputation management systems. *IBM Systems Journal*, 42(3):498–506, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/423/keser.pdf>.
- [KHC02] S. Kumaran, Y. Huang, and J.-Y. Chung. A framework-based approach to building private trading exchanges. *IBM Systems Journal*, 41(2):253–271, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/412/kumaran.html>; <http://www.research.ibm.com/journal/sj/412/kumaran.pdf>; <http://www.research.ibm.com/journal/sj/412/kumaran.txt>.
- [KIS87] P. L. Kingston. Concepts of financial models. *IBM Systems Journal*, 12(2):113–125, 1973. CODEN IBMSA7. ISSN 0018-8670.
- [KJP03] M. Kaczmariski, T. Jiang, and D. A. Pease. Beyond backup toward storage management. <http://www.research.ibm.com/journal/sj/441/koehler.pdf>; <http://www.research.ibm.com/journal/sj/441/koehler.txt>.
- [Kie79] S. C. Kiely. An operating system for distributed processing—DPPX. *IBM Systems Journal*, 18(4):507–525, 1979. CODEN IBMSA7. ISSN 0018-8670.
- [KSH+00] I. H. Kazi, D. P. Jose, B. Ben-Hamida, C. J. Hescott, C. Kwok, J. A. Konstan, D. J. Lilja, and P.-C Yew. JaViz: a client/server Java profiling tool. *IBM Systems Journal*, 39(1):96–117, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/391/kazi.html>.
- [KSW05] J. Koehler, R. Hauser, S. Sendall, and M. Wahler. Declarative techniques for model-driven business process integration. *IBM Systems Journal*, 44(1):47–65, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/441/koehler.html>; <http://www.research.ibm.com/journal/sj/441/koehler.pdf>; <http://www.research.ibm.com/journal/sj/441/koehler.txt>.
- [Kor87] James U. Korein and Jahuda Ish-Shalom. Robotics. *IBM Systems Journal*, 26(1):55–95, January 1987. CODEN IBMSA7. ISSN 0018-8670.
- [Kre00] I. H. Kazi, D. P. Jose, B. Ben-Hamida, C. J. Hescott, C. Kwok, J. A. Konstan, D. J. Lilja, and P.-C Yew. JaViz: a client/server Java profiling tool. *IBM Systems Journal*, 39(1):96–117, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/391/kazi.html>.
- [Kre03] M. Kaczmariski, T. Jiang, and D. A. Pease. Beyond backup toward storage management. <http://www.research.ibm.com/journal/sj/441/koehler.pdf>; <http://www.research.ibm.com/journal/sj/441/koehler.txt>.

- IBM Systems Journal*, 42(2):322–337, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/422/kaczmariski.pdf>.
- [KK03] J. Karat and C. M. Karat. The evolution of user-centered focus in the human-computer interaction field. *IBM Systems Journal*, 42(4):532–541, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/424/karat.pdf>.
- [KKL⁺04] M. Kloppmann, D. König, F. Leymann, G. Pfau, and D. Roller. Business process choreography in WebSphere: Combining the power of BPEL and J2EE. *IBM Systems Journal*, 43(2):270–296, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/432/kloppmann.html>; <http://www.research.ibm.com/journal/sj/432/kloppmann.pdf>; <http://www.research.ibm.com/journal/sj/432/kloppmann.txt>.
- [KKL06] R. Khalaf, A. Keller, and F. Leymann. Business processes for Web Services: Principles and applications. *IBM Systems Journal*, 45(2):425–446, 2006. CO-
- DEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/452/khalaf.html>.
- [Kano:2005:ASB] M. Kano, A. Koide, T.-K. Liu, and B. Ramachandran. Analysis and simulation of business solutions in a service-oriented architecture. *IBM Systems Journal*, 44(4):669–690, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/444/kano.html>.
- [Kamel:1988:SCI] A. Kamel, M. Kindelan, and P. Sguazzero. Seismic computations on the IBM 3090 Vector Multiprocessor. *IBM Systems Journal*, 27(4):510–527, November 1988. CODEN IBMSA7. ISSN 0018-8670.
- [Keehn:1974:VDS] Daniel G. Keehn and John O. Lacy. VSAM data set design parameters. *IBM Systems Journal*, 13(3):186–212, 1974. CODEN IBMSA7. ISSN 0018-8670. See correction [Ano74j] and errata [Ano74l].
- [Klo8] Kristof Kloeckner. Message from the Vice President of Strategy and Technology, IBM Software Group. *IBM Systems Journal*, 47(2):??, April/June 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/472/kloeckner.pdf>.

research.ibm.com/journal/sj/472/message.html.

Kravitz:1986:WMC

- [KLRP86] J. K. Kravitz, D. Lieber, F. H. Robbins, and J. M. Palermo. Workstations and mainframe computers working together. *IBM Systems Journal*, 25(1):116–128, 1986. CODEN IBMSA7. ISSN 0018-8670.

Kozuh:1984:SCD

- [KLS84] Frank T. Kozuh, David L. Livingston, and Thomas C. Spillman. System/370 capability in a desktop computer. *IBM Systems Journal*, 23(3):245–254, 1984. CODEN IBMSA7. ISSN 0018-8670.

Kingman:1990:OIS

- [KLS90] L. C. Kingman, III, R. E. Lambert, and R. P. Steen. Operational image systems: a new opportunity. *IBM Systems Journal*, 29(3):304–312, 1990. CODEN IBMSA7. ISSN 0018-8670.

Kolsky:1989:HCI

- [KM89] H. G. Kolsky and R. A. MacKinnon. History and contributions of the IBM Scientific Centers. *IBM Systems Journal*, 28(4):502–524, 1989. CODEN IBMSA7. ISSN 0018-8670.

Kanne:2006:ISC

- [KM06a] C. C. Kanne and G. Morkotte. The importance of sibling clustering for efficient bulk-load of XML document trees.

IBM Systems Journal, 45(2):321–334, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/452/kanne.html>.

Kogan:2006:ESC

- [KM06b] S. L. Kogan and M. J. Muller. Ethnographic study of collaborative knowledge work. *IBM Systems Journal*, 45(4):759–771, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/454/kogan.html>.

Konheim:1980:ICP

- [KMM+80] Alan G. Konheim, Marian H. Mack, Robert K. McNeill, Bryant Tuckerman, and Gerald Waldbaum. The IPS cryptographic programs. *IBM Systems Journal*, 19(2):253–283, 1980. CODEN IBMSA7. ISSN 0018-8670.

Kirsch:2007:MCI

- [KMSM+07] C. Kirsch, M. Mattingley-Scott, C. Muszynski, F. Schaefer, and C. Weiss. Monitoring chronically ill patients using mobile technologies. *IBM Systems Journal*, 46(1):85–93, 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/461/kirsch.html>.

Korn:1985:EPC

- [KMT85] P. A. Korn, J. P. McAdaragh, and C. L. Tondo. Expanded

personal computing power and capability. *IBM Systems Journal*, 24(1):26–36, 1985. CODEN IBMSA7. ISSN 0018-8670. See erratum [KMT86].

Korn:1986:EEP

- [KMT86] P. A. Korn, J. P. McAdaragh, and C. L. Tondo. Erratum: “Expanded personal computing power and capability”. *IBM Systems Journal*, 25(1):130, 1986. CODEN IBMSA7. ISSN 0018-8670. See [KMT85].

Koved:2001:SCE

- [KNN⁺01] L. Koved, A. Nadalin, N. Nagaratnam, M. Pistoia, and T. Shrader. Security challenges for Enterprise Java in an e-business environment. *IBM Systems Journal*, 40(1):130–152, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/401/koved.html>.

Koved:1998:EJS

- [KNNL98] L. Koved, A. J. Nadalin, D. Neal, and T. Lawson. The evolution of Java security. *IBM Systems Journal*, 37(3):349–364, 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/373/koved.html>.

Keel:2007:TOS

- [KOH⁺07] A. J. Keel, M. A. Orr, R. R. Hernandez, E. A. Patrocínio,

and J. Bouchard. From a technology-oriented to a service-oriented approach to IT management. *IBM Systems Journal*, 46(3):549–??, July/September 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/463/keel.html>.

Koide:1989:DMC

- [Koi89] A. Koide. Designing molecules and crystals by computer. *IBM Systems Journal*, 28(4):613–627, 1989. CODEN IBMSA7. ISSN 0018-8670.

Kolsky:1969:PFU

- [Kol69] H. G. Kolsky. Problem formulation using APL. *IBM Systems Journal*, 8(3):204–219, 1969. CODEN IBMSA7. ISSN 0018-8670.

Konzynski:1993:SCE

- [Kon93] B. R. Konsynski. Strategic control in the extended enterprise. *IBM Systems Journal*, 32(1):111–142, 1993. CODEN IBMSA7. ISSN 0018-8670. G321-5506.

Kossack:1963:ORA

- [Kos63a] C. F. Kossack. Optimum response analysis. *IBM Systems Journal*, 2:49–56, March 1963. CODEN IBMSA7. ISSN 0018-8670.

Kossack:1963:SCT

- [Kos63b] C. F. Kossack. Statistical classification techniques. *IBM Systems Journal*, 2:136–161, June

1963. CODEN IBMSA7. ISSN 0018-8670.
- [Kov01] Caroline A. Kovac. Message from the Vice President, Life Sciences Solutions. *IBM Systems Journal*, 40(2):??, ??? 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/402/message.html>; <http://www.research.ibm.com/journal/sj/402/message.pdf>; <http://www.research.ibm.com/journal/sj/402/message.txt>. [KR88]
- [KPF⁺04] L. Kozakov, Y. Park, T. Fin, Y. Drissi, Y. Doganata, and T. Cofino. Glossary extraction and utilization in the information search and delivery system for IBM Technical Support. *IBM Systems Journal*, 43(3):546–563, ??? 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/433/kozakov.html>; <http://www.research.ibm.com/journal/sj/433/kozakov.pdf>; <http://www.research.ibm.com/journal/sj/433/kozakov.txt>. [Kra03]
- [KPM01] S. H. Kan, J. Parrish, and D. Manlove. In-process metrics for software testing. *IBM Systems Journal*, 40(1):220–241, ??? 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/401/kan.html>. [KRR80]
- [Kogon:1988:DOS] Michael S. Kogan and Freeman L. Rawson, III. The design of Operating System/2. *IBM Systems Journal*, 27(2):90–104, June 1988. CODEN IBMSA7. ISSN 0018-8670.
- [Kraemer:1978:PID] Wolfgang Kraemer. Performance investigations with a DOS/VS-based operating system model. *IBM Systems Journal*, 17(4):409–443, 1978. CODEN IBMSA7. ISSN 0018-8670.
- [Krauss:2003:MRU] F. S. H. Krauss. Methodology for remote usability activities: a case study. *IBM Systems Journal*, 42(4):582–593, ??? 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/424/krauss.pdf>.
- [Kreger:2001:JME] H. Kreger. Java Management Extensions for application management. *IBM Systems Journal*, 40(1):104–129, ??? 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/401/kreger.html>.
- [Katz:1980:SCL] Shumel Katz, Lawrence J. Risman, and Michael Rodeh. A

- system for constructing linear programming models. *IBM Systems Journal*, 19(4):505–520, 1980. CODEN IBMSA7. ISSN 0018-8670.
- [KRS⁺98] **Kellogg:1998:NGI**
W. A. Kellogg, J. T. Richards, C. Swart, P. Malkin, M. Laff, V. Hanson, and B. Hailpern. NetVista: Growing an Internet solution for schools. *IBM Systems Journal*, 37(1):19–41, 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/371/kellogg.html>.
- [KS03] **Kurtz:2003:NDS**
C. F. Kurtz and D. J. Snowden. The new dynamics of strategy: Sense-making in a complex and complicated world. *IBM Systems Journal*, 42(3):462–483, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/423/kurtz.pdf>.
- [KSWC93] **Kamel:1993:SRH**
M. S. Kamel, H. C. Shen, A. K. C. Wong, and R. I. Campeanu. System for the recognition of human faces. *IBM Systems Journal*, 32(2):307–320, 1993. CODEN IBMSA7. ISSN 0018-8670. G321-5515.
- [KTBE05] **King:2005:MUP**
M. King, J. W. Thatcher, P. M. Bronstad, and R. Easton. Managing usability for people with disabilities in a large Web presence. *IBM Systems Journal*, 44(3):519–535, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/443/king.html>.
- [KRS⁺98] **Koved:1986:IAS**
L. Koved and G. Waldbaum. Improving availability of software subsystems through online error detection. *IBM Systems Journal*, 25(1):105–115, 1986. CODEN IBMSA7. ISSN 0018-8670.
- [KW86] **Leymann:1994:MBP**
F. Leymann and W. Altenhuber. Managing business processes as an information resource. *IBM Systems Journal*, 33(2):326–348, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-2.html#seven>. G321-5545.
- [LA94] **Lacy:1981:P**
John Lacy. Preface. *IBM Systems Journal*, 20(4):370–371, 1981. CODEN IBMSA7. ISSN 0018-8670.
- [Lac81] **Lacy:1982:Pa**
John Lacy. Preface. *IBM Systems Journal*, 21(1):2–3, 1982. CODEN IBMSA7. ISSN 0018-8670.
- [Lac82a]

- [Lac82b] John Lacy. Preface. *IBM Systems Journal*, 21(2):130, 1982. CODEN IBMSA7. ISSN 0018-8670. **Lacy:1982:Pb**
- [Lac82c] John Lacy. Preface. *IBM Systems Journal*, 21(3):248–249, 1982. CODEN IBMSA7. ISSN 0018-8670. **Lacy:1982:Pc**
- [Lac82d] John Lacy. Preface. *IBM Systems Journal*, 21(4):382–383, 1982. CODEN IBMSA7. ISSN 0018-8670. **Lacy:1982:Pd**
- [Lac83a] John Lacy. Preface. *IBM Systems Journal*, 23(1/2):2–3, 1983. CODEN IBMSA7. ISSN 0018-8670. **Lacy:1983:Pa**
- [Lac83b] John Lacy. Preface. *IBM Systems Journal*, 23(1):2–3, 1983. CODEN IBMSA7. ISSN 0018-8670. **Lacy:1983:Pd**
- [Lac83c] John Lacy. Preface. *IBM Systems Journal*, 23(3):168–169, 1983. CODEN IBMSA7. ISSN 0018-8670. **Lacy:1983:Pb**
- [Lac83d] John Lacy. Preface. *IBM Systems Journal*, 23(4):296–297, 1983. CODEN IBMSA7. ISSN 0018-8670. **Lacy:1983:Pc**
- [Lac84a] John Lacy. Preface. *IBM Systems Journal*, 23(2):98–99, 1984. CODEN IBMSA7. ISSN 0018-8670. **Lacy:1984:Pa**
- [Lac84b] John Lacy. Preface. *IBM Systems Journal*, 23(3):222–223, 1984. CODEN IBMSA7. ISSN 0018-8670. **Lacy:1984:Pb**
- [Lac84c] John Lacy. Preface. *IBM Systems Journal*, 23(4):308, 1984. CODEN IBMSA7. ISSN 0018-8670. **Lacy:1984:Pc**
- [Lac85] John Lacy. Preface. *IBM Systems Journal*, 24(1):2, 1985. CODEN IBMSA7. ISSN 0018-8670. **Lacy:1985:P**
- [Laf68] J. M. Lafuente. Interactive graphics in data processing: Cam design on a graphics console. *IBM Systems Journal*, 7(3/4):365–372, 1968. CODEN IBMSA7. ISSN 0018-8670. **Lafuente:1968:IGD**
- [Lai75] Jack A. Laird. Power profile — an installation management tool. *IBM Systems Journal*, 14(3):264–271, 1975. CODEN IBMSA7. ISSN 0018-8670. **Laird:1975:PPE**
- [Lam84] Geoffrey N. Lambert. A comparative study of system response time on program developer productivity. *IBM*

- Systems Journal*, 23(1):36–43, 1984. CODEN IBMSA7. ISSN 0018-8670.
- [Lan73] H. F. Lande. Planning-data systems. *IBM Systems Journal*, 12(2):145–160, 1973. CODEN IBMSA7. ISSN 0018-8670.
- [Lar63] R. Larner. Design of an integrated programming and operating system, part IV: The system’s FORTRAN compiler. *IBM Systems Journal*, 2: 311–321, September/December 1963. CODEN IBMSA7. ISSN 0018-8670.
- [Lar06] G. Larsen. Model-driven development: Assets and reuse. *IBM Systems Journal*, 45(3): 541–553, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/453/larsen.html>.
- [Lar08] R. C. Larson. Service science: At the intersection of management, social, and engineering sciences. *IBM Systems Journal*, 47(1):41–??, January/March 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/471/larson.html>.
- [LC80] Jack R. Leach and Robert D. Campenni. A sidestream approach using a small processor as a tool for managing communication systems. *IBM Systems Journal*, 19(1):120–139, 1980. CODEN IBMSA7. ISSN 0018-8670.
- [LC01] A. H. Liu and A. Califano. Functional classification of proteins by pattern discovery and top-down clustering of primary sequences. *IBM Systems Journal*, 40(2):379–393, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/402/liu.html>; <http://www.research.ibm.com/journal/sj/402/liu.pdf>; <http://www.research.ibm.com/journal/sj/402/liu.txt>.
- [LC03] J. R. Lewis and P. M. Commarford. Developing a voice-spelling alphabet for PDAs. *IBM Systems Journal*, 42(4): 624–638, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/424/lewis.pdf>.
- [LCS82] V. Y. Lum, D. M. Choy, and N. C. Shu. OPAS: an office procedure automation system. *IBM Systems Journal*, 21(3):327–350, 1982. CODEN IBMSA7. ISSN 0018-8670.

Lande:1973:PS**Liu:2001:FCP****Larner:1963:DIP****Larsen:2006:MDD****Lewis:2003:DVS****Larson:2008:SSI****Lum:1982:OOP****Leach:1980:SAU**

- [LD99] **Landay:1999:MSP**
 J. A. Landay and R. C. Davis. Making sharing pervasive: Ubiquitous computing for shared note taking. *IBM Systems Journal*, 38(4):531–550, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/384/landay.html>.
- [LD08] **Leon:2008:MSP**
 N. Leon and A. Davies. Managed service paradox. *IBM Systems Journal*, 47(1):153–??, January/March 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/471/leon.html>.
- [LDL⁺08] **Loveland:2008:LVO**
 Scott Loveland, Eli M. Dow, Frank LeFevre, Duane Beyer, and Philip F. Chan. Leveraging virtualization to optimize high-availability system configurations. *IBM Systems Journal*, 47(4):591–604, 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/474/loveland.pdf>.
- [LeB08] **LeBlanc:2008:MGM**
 Robert LeBlanc. Message from the General Manager, Global Consulting Services and SOA. *IBM Systems Journal*, 47(3):??, 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/473/message.pdf>.
- [Lei99] **Leishman:1999:SC**
 D. A. Leishman. Solution customization. *IBM Systems Journal*, 38(1):76–97, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/381/leishman.html>.
- [Len78] **Lennon:1978:CAI**
 Richard E. Lennon. Cryptography architecture for information security. *IBM Systems Journal*, 17(2):138–150, 1978. CODEN IBMSA7. ISSN 0018-8670.
- [Lev79] **Levine:1979:FDS**
 John R. Levine. Forum: Data stream linkage and the UNIX system. *IBM Systems Journal*, 18(3):470–472, 1979. CODEN IBMSA7. ISSN 0018-8670. See [Mor78, Mor79].
- [Lew66] **Lewis:1966:CPS**
 P. A. W. Lewis. A computer program for the statistical analysis of series of events. *IBM Systems Journal*, 5(4):202–225, 1966. CODEN IBMSA7. ISSN 0018-8670.
- [Lew76] **Lewis:1976:SLC**
 Leslie J. Lewis. Service levels: a concept for the user and the computer center. *IBM Systems Journal*, 15(4):328–357, 1976. CODEN IBMSA7. ISSN 0018-8670.

- [LG99] **Lloyd:1999:TRA**
P. T. L. Lloyd and G. M. Galambos. Technical reference architectures. *IBM Systems Journal*, 38(1):51–75, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/381/lloyd.html>.
- [LHJ⁺07] **Ludwig:2007:CBS**
H. Ludwig, J. Hogan, R. Jaluka, D. Loewenstern, S. Kumaran, A. Gilbert, A. Roy, T. R. Nellutla, and M. Surendra. Catalog-based service request management. *IBM Systems Journal*, 46(3):531–??, July/September 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/463/ludwig.html>.
- [LHCB95] **Lebizay:1995:HTN**
G. Lebizay, C. Galand, D. Chevalier, and F. Barre. A high-performance transport network platform. *IBM Systems Journal*, 34(4):705–724, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-4.html#eleven>.
- [LHT⁺07] **Luo:2007:AEB**
L. Luo, D. M. Hao, Z. Tian, Y. B. Dang, B. Hou, P. Malkin, and S. X. Yang. Ariadne: An Eclipse-based system for tracking originality of source code. *IBM Systems Journal*, 46(2):289–??, 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/462/luo.html>.
- [LGM69] **Lewis:1969:PNG**
P. A. W. Lewis, A. S. Goodman, and J. M. Miller. A pseudorandom number generator for the SYSTEM/360. *IBM Systems Journal*, 8(2):136–146, 1969. CODEN IBMSA7. ISSN 0018-8670.
- [LI01] **Lee:2001:GSG**
C. Lee and K. Irizarry. The GeneMine system for genome/proteome annotation and collaborative data mining. *IBM Systems Journal*, 40(2):592–603, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/402/lee.html>; <http://www.research.ibm.com/journal/sj/402/lee.pdf>; <http://www.research.ibm.com/journal/sj/402/lee.txt>.
- [LH97] **Lindsey:1997:BTO**
A. H. Lindsey and P. R. Hoffman. Bridging traditional and object technologies: Creating transitional applications. *IBM Systems Journal*, 36(1):??, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/361/lindsey.html>.

- [Lic07] **Lickel:2007:I**
 Charles W. Lickel. Introduction. *IBM Systems Journal*, 46(2):??, ??? 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/462/intro.html>.
- [Lin80] **Linger:1980:MSE**
 R. C. Linger. The management of software engineering, part III: Software design practices. *IBM Systems Journal*, 19(4):432–450, 1980. CODEN IBMSA7. ISSN 0018-8670.
- [Lip68] **Liptay:1968:SAS**
 J. S. Liptay. Structural aspects of the SYSTEM/360 model 85, part II: The cache. *IBM Systems Journal*, 7(1):15–21, 1968. CODEN IBMSA7. ISSN 0018-8670. URL <https://doi.org/10.1147/sj.71.0015>.
- [Lip96] **Lippman:1996:PV**
 A. Lippman. Post-modern video. *IBM Systems Journal*, 35(3&4):269–271, 1996. CODEN IBMSA7. ISSN 0018-8670.
- [Lip00] **Lippman:2000:MNC**
 A. Lippman. Media, networks, and content. *IBM Systems Journal*, 39(3/4):435–437, ??? 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part1/lippman.html>; <http://www.research.ibm.com/journal/sj/393/part1/lippman.pdf>; <http://www.research.ibm.com/journal/sj/393/part1/lippman.txt>.
- [LK96] **Lippman:1996:MBE**
 A. Lippman and R. Kermode. Media banks: Entertainment and the Internet. *IBM Systems Journal*, 35(3&4):272–291, 1996. CODEN IBMSA7. ISSN 0018-8670.
- [LK05] **Lasser:2005:MVP**
 Catherine Lasser and Margaret Kennelly. Message from the Vice Presidents, Industry Solutions and Emerging Businesses and On Demand Innovation Services. *IBM Systems Journal*, 44(1):??, ??? 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/441/message.html>; <http://www.research.ibm.com/journal/sj/441/message.pdf>; <http://www.research.ibm.com/journal/sj/441/message.txt>.
- [LLO93] **Luftman:1993:TEA**
 J. N. Luftman, P. R. Lewis, and S. H. Oldach. Transforming the enterprise: The alignment of business and information technology strategies. *IBM Systems Journal*, 32(1):198–221, 1993. CODEN IBMSA7. ISSN 0018-8670. G321-5510.
- [LLS⁺06] **Luo:2006:CAS**
 L. Luo, J. Liu, L. Shao, W. Lu, and M. Ye. A context-aware smart-call-center solution: Improving customer service for

- online games. *IBM Systems Journal*, 45(1):145–160, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/451/luo.html>.
- [LM93] D. Longley and S. M. Matyas. Technical note: Complementarity attacks and control vectors. *IBM Systems Journal*, 32(2):321–325, 1993. CODEN IBMSA7. ISSN 0018-8670.
- [LM96] H. Lieberman and D. Mauhsby. Instructible agents: Software that just keeps getting better. *IBM Systems Journal*, 35(3&4):539–556, 1996. CODEN IBMSA7. ISSN 0018-8670.
- [LMJW93] A. V. Le, S. M. Matyas, D. B. Johnson, and J. D. Wilkins. A public key extension to the Common Cryptographic Architecture. *IBM Systems Journal*, 32(3):461–485, 1993. CODEN IBMSA7. ISSN 0018-8670. G321-5521.
- [LMPR07] D. Lindquist, H. Madduri, C. J. Paul, and B. Rajaraman. IBM Service Management architecture. *IBM Systems Journal*, 46(3):423–??, July/September 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/463/lindquist.html>.
- [LMPS02] S. Loveland, G. Miller, R. Prewitt, and M. Shannon. Testing z/OS: The premier operating system for IBM’s zSeries server. *IBM Systems Journal*, 41(1):55–73, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/411/loveland.html>; <http://www.research.ibm.com/journal/sj/411/loveland.pdf>.
- [LMX07] Y. Liu, S. Müller, and K. Xu. A static compliance-checking framework for business process models. *IBM Systems Journal*, 46(2):335–??, 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/462/liu.html>.
- [LNH06] D. Leroux, M. Nally, and K. Hussey. Rational Software Architect: a tool for domain-specific modeling. *IBM Systems Journal*, 45(3):555–568, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/453/leroux.html>.
- [Loe65] P. G. Loewner. Fabrication and assembly operations, part III: Matrix methods for processing configuration data. *IBM Systems Journal*, 4(2):105–121,

1965. CODEN IBMSA7. ISSN 0018-8670.
- [Lor71] H. Lorin. A guided bibliography to sorting. *IBM Systems Journal*, 10(3):244–254, March 1971. CODEN IBMSA7. ISSN 0018-8670.
- [Lor79] H. Lorin. Distributed processing: An assessment. *IBM Systems Journal*, 18(4):582–603, 1979. CODEN IBMSA7. ISSN 0018-8670.
- [Lor86] H. Lorin. Systems architecture in transition — an overview. *IBM Systems Journal*, 25(3-4):256–273, 1986. CODEN IBMSA7. ISSN 0018-8670.
- [Lor94a] Harold Lorin. Books: *Centralized and Distributed Operating Systems* by Gary J. Nutt. *IBM Systems Journal*, 33(2):375–377, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-2.html>.
- [Lor94b] Harold Lorin. Books: *Enterprise Computing and Implementing the Enterprise* by Alan R. Simon. *IBM Systems Journal*, 33(2):373–375, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-2.html>.
- [LP74] H. W. Lynch and J. B. Page. The OS/VS2 Release 2 System Resources Manager. *IBM Systems Journal*, 13(4):274–291, 1974. CODEN IBMSA7. ISSN 0018-8670.
- [LPPC03] G. Lanfranchi, P. Della Peruta, A. Perrone, and D. Calvanese. Toward a new landscape of systems management in an autonomic computing environment. *IBM Systems Journal*, 42(1):119–128, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/421/lanfranchi.pdf>.
- [LPR⁺07] R. Lawrence, C. Perlich, S. Rosset, J. Arroyo, M. Callahan, J. M. Collins, A. Ershov, S. Feinzig, I. Khabibrakhmanov, S. Mahatma, M. Niemaszyk, and S. M. Weiss. Analytics-driven solutions for customer targeting and sales-force allocation. *IBM Systems Journal*, 46(4):??, October/December 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/464/lawrence.html>.
- [LR67] D. C. Lancto and R. L. Rockefeller. An application-oriented

Lorin:1971:GBS**Lynch:1974:ORS****Lorin:1979:DPA****Lanfranchi:2003:TNL****Lorin:1986:SAT****Lawrence:2007:ADS****Lorin:1994:BCD****Lorin:1994:BEC****Lancto:1967:AMS**

- multiprocessing system, part IV: The operational error analysis program. *IBM Systems Journal*, 6(2):103–115, 1967. CODEN IBMSA7. ISSN 0018-8670.
- [LR97] F. Leymann and D. Roller. Workflow-based applications. *IBM Systems Journal*, 36(1):??, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/361/leymann.html>.
- [LR02a] C. Lau and A. Ryman. Developing XML Web services with WebSphere Studio Application Developer. *IBM Systems Journal*, 41(2):178–197, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/412/lau.html>; <http://www.research.ibm.com/journal/sj/412/lau.pdf>; <http://www.research.ibm.com/journal/sj/412/lau.txt>.
- [LR02b] F. Leymann and D. Roller. Using flows in information integration. *IBM Systems Journal*, 41(4):732–742, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/414/leymann.pdf>.
- [LRHH04] K. N. Lewis, M. D. Robinson, T. R. Hughes, and C. W. V. Hogue. MyMed: a database system for biomedical research on MEDLINE data. *IBM Systems Journal*, 43(4):756–767, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/434/lewis.html>; <http://www.research.ibm.com/journal/sj/434/lewis.pdf>; <http://www.research.ibm.com/journal/sj/434/lewis.txt>.
- [LRS02] F. Leymann, D. Roller, and M.-T. Schmidt. Web services and business process management. *IBM Systems Journal*, 41(2):198–211, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/412/leymann.html>; <http://www.research.ibm.com/journal/sj/412/leymann.pdf>; <http://www.research.ibm.com/journal/sj/412/leymann.txt>.
- [LS87] L. K. Loucks and C. H. Sauer. Advanced Interactive Executive (AIX) operating system overview. *IBM Systems Journal*, 26(4):326–345, December 1987. CODEN IBMSA7. ISSN 0018-8670. URL <http://technologists.com/sauer/Advanced%20Interactive%20Executive/>

- 20(AIX)%20operating%20System%20overview.pdf.
- Lenz:1991:KSM**
- [LS91] N. G. Lenz and S. F. L. Saelens. A knowledge-based system for MVS dump analysis. *IBM Systems Journal*, 30(3):336–350, 1991. CODEN IBMSA7. ISSN 0018-8670. [LS07]
- Lieberman:2000:CCS**
- [LS00] H. Lieberman and T. Selker. Out of context: Computer systems that adapt to, and learn from, context. *IBM Systems Journal*, 39(3/4):617–632, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part1/lieberman.html>; <http://www.research.ibm.com/journal/sj/393/part1/lieberman.pdf>; <http://www.research.ibm.com/journal/sj/393/part1/lieberman.txt>. [LSH⁺08]
- Lesser:2001:CPO**
- [LS01] E. L. Lesser and J. Storck. Communities of practice and organizational performance. *IBM Systems Journal*, 40(4):831–841, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/404/lesser.html>; <http://www.research.ibm.com/journal/sj/404/lesser.pdf>. [LT89]
- Levine:2005:MAP**
- [LS05] J. L. Levine and M. A. Schapert. A mouse adapter for people with hand tremor. *IBM Systems Journal*, 44(3):621–628, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/443/levine.html>.
- Lasser:2007:I**
- Catherine Lasser and Michael Svinte. Introduction. *IBM Systems Journal*, 46(1):??, 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/461/intro.html>.
- Lumpp:2008:HAD**
- Thomas Lumpp, Juergen Schneider, Juergen Holtz, Markus Mueller, Norbert Lenz, Ana Biazetti, and David Petersen. From high availability and disaster recovery to business continuity solutions. *IBM Systems Journal*, 47(4):605–619, 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/474/lumpp.pdf>.
- Latham:1989:TNC**
- W. H. Latham and S. J. P. Todd. Technical note: Computer sculpture. *IBM Systems Journal*, 28(4):682–688, 1989. CODEN IBMSA7. ISSN 0018-8670.
- Li:2008:BPD**
- Zhong Jie Li, Hua Fang Tan, He Heui Liu, Jun Zhu, and Naomi M. Mitsumori. Business-process-driven gray-box SOA testing. *IBM Systems*

- Journal*, 47(3):457–472, ????
2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/473/li.pdf>. [Mac79]
- Lucente:1996:CHB**
- [Luc96] M. Lucente. Computational holographic bandwidth compression. *IBM Systems Journal*, 35(3&4):349–366, 1996. CODEN IBMSA7. ISSN 0018-8670. [Mac00]
- Luetje:1970:IAC**
- [Lue70] J. H. Luetje. Interactive aeronautical charting. *IBM Systems Journal*, 9(3):219–233, 1970. CODEN IBMSA7. ISSN 0018-8670.
- Lusch:2008:TCF**
- [LVW08] R. F. Lusch, S. L. Vargo, and G. Wessels. Toward a conceptual foundation for service science: Contributions from service-dominant logic. *IBM Systems Journal*, 47(1):5–??, January/March 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/471/lusch.html>.
- MacKinnon:1974:AFE**
- [Mac74] R. A. MacKinnon. Advanced function extended with tightly-coupled multiprocessing. *IBM Systems Journal*, 13(1):32–59, 1974. CODEN IBMSA7. ISSN 0018-8670. [Mar63]
- MacKinnon:1979:CVM**
- R. A. MacKinnon. The changing virtual machine environment: Interfaces to real hardware, virtual hardware, and other virtual machines. *IBM Systems Journal*, 18(1):18–46, 1979. CODEN IBMSA7. ISSN 0018-8670.
- Learning:2000:FAW**
- T. Machover. Future arts: By and for whom, and for what? *IBM Systems Journal*, 39(3/4):678–679, ????, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part1/machover.html>; <http://www.research.ibm.com/journal/sj/393/part1/machover.pdf>; <http://www.research.ibm.com/journal/sj/393/part1/machover.txt>.
- Major:1981:PIP**
- [Maj81] J. B. Major. Processor, I/O path, and DASD configuration capacity. *IBM Systems Journal*, 20(1):63–85, 1981. CODEN IBMSA7. ISSN 0018-8670.
- Mancini:1974:PAS**
- [Man74] R. J. Mancini. Performance analysis for the Skylab terminal system. *IBM Systems Journal*, 13(2):94–114, 1974. CODEN IBMSA7. ISSN 0018-8670.
- Maranzana:1963:LSP**
- F. E. Maranzana. On the location of supply points to

- minimize transportation costs. *IBM Systems Journal*, 2:129–135, June 1963. CODEN IBMSA7. ISSN 0018-8670.
- Marks:1973:DCC**
- [Mar73] B. L. Marks. Design of a check-out compiler. *IBM Systems Journal*, 12(3):315–326, 1973. CODEN IBMSA7. ISSN 0018-8670.
- Maruyama:1983:DRT**
- [Mar83] K. Maruyama. Defining routing tables for SNA networks. *IBM Systems Journal*, 23(4):435–450, 1983. CODEN IBMSA7. ISSN 0018-8670.
- Mark:1999:TPC**
- [Mar99] W. Mark. Turning pervasive computing into mediated spaces. *IBM Systems Journal*, 38(4):677, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/384/mark.html>.
- Marwick:2001:CPO**
- [Mar01] A. D. Marwick. Communities of practice and organizational performance. *IBM Systems Journal*, 40(4):814–830, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/404/marwick.html>; <http://www.research.ibm.com/journal/sj/404/marwick.pdf>.
- Matick:1986:IMS**
- [Mat86] R. E. Matick. Impact of memory systems on computer architecture and system organization. *IBM Systems Journal*, 25(3-4):274–305, 1986. CODEN IBMSA7. ISSN 0018-8670.
- Matyas:1991:KHC**
- [Mat91] S. M. Matyas. Key handling with control vectors. *IBM Systems Journal*, 30(2):151–174, 1991. CODEN IBMSA7. ISSN 0018-8670.
- Maurer:1983:FTI**
- [Mau83] M. E. Maurer. Full-screen testing of interactive applications. *IBM Systems Journal*, 23(3):246–261, 1983. CODEN IBMSA7. ISSN 0018-8670.
- Mays:1994:FSB**
- [May94] R. G. Mays. Forging a silver bullet from the essence of software. *IBM Systems Journal*, 33(1):20–45, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-1.html#three>. G321-5531.
- Massey:1996:SSP**
- [MB96] M. Massey and W. Bender. Salient stills: Process and practice. *IBM Systems Journal*, 35(3&4):557–574, 1996. CODEN IBMSA7. ISSN 0018-8670.
- Mastrianni:2007:IAF**
- [Mast07] S. Mastrianni, D. F. Bantz, K. A. Beaty, T. Chefalas, S. Jalan, G. Kar, A. Kochut, D. J. Lan, L. O’Connell, A. Sailer, G. Wang, Q. B. Wang, and D. G. Shea. IT

- Autopilot: a flexible IT service management and delivery platform for small and medium business. *IBM Systems Journal*, 46(3):609–??, July/September 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/463/mastrianni.html>. [MC96]
- Mendonca:1998:AIE**
- [MBBD98] M. G. Mendonca, V. R. Basili, I. S. Bhandari, and J. Dawson. An approach to improving existing measurement frameworks. *IBM Systems Journal*, 37(4):484–501, ??? 1998. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/374/mendonca.html>.
- Morrill:2008:ACA**
- [MBC08] Harriet Morrill, Mark Beard, and David Clitherow. Achieving continuous availability of IBM systems infrastructures. *IBM Systems Journal*, 47(4):493–503, ??? 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/474/morrill.pdf>.
- Maguire:2000:TTT**
- [MBG00] Y. Maguire, E. Boyden, and N. Gershenfeld. Toward a table-top quantumcomputer. *IBM Systems Journal*, 39(3/4):823–839, ??? 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part3/maguire.html>; <http://www.research.ibm.com/journal/sj/393/part3/maguire.pdf>; <http://www.research.ibm.com/journal/sj/393/part3/maguire.txt>.
- Musgrave:1996:EDG**
- J. F. Musgrave and M. R. Cooper. Experiments in digital graphic design. *IBM Systems Journal*, 35(3&4):499–513, 1996. CODEN IBMSA7. ISSN 0018-8670.
- McCue:1978:IST**
- [McC78] Gerald M. McCue. IBM’s Santa Teresa Laboratory—architectural design for program development. *IBM Systems Journal*, 17(1):4–25, 1978. CODEN IBMSA7. ISSN 0018-8670.
- McDavid:1996:BLA**
- [McD96] D. W. McDavid. Business language analysis for object-oriented information systems. *IBM Systems Journal*, 35(2):128–150, 1996. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj35-2.html#three>.
- McDavid:1999:SBA**
- [McD99] D. W. McDavid. A standard for business architecture description. *IBM Systems Journal*, 38(1):12–31, ??? 1999. CODEN IBMSA7. ISSN 0018-8670. URL [http://www.research.ibm.com/journal/sj/38\(1\):12-31](http://www.research.ibm.com/journal/sj/38(1):12-31), ??? 1999. CODEN IBMSA7. ISSN 0018-8670. URL [http://www.research.ibm.com/journal/sj/38\(1\):12-31](http://www.research.ibm.com/journal/sj/38(1):12-31).

- research.ibm.com/journal/sj/381/mcdavid.html.
- [MCE⁺86] **Milliken:1986:YAO**
K. R. Milliken, A. V. Cruise, R. L. Ennis, A. J. Finkel, J. L. Hellerstein, D. J. Loeb, D. A. Klein, M. J. Masullo, H. M. Van Woerkom, and N. B. Waite. YES/MVS and the automation of operations for large computer complexes. *IBM Systems Journal*, 25(2):159–180, 1986. CODEN IBMSA7. ISSN 0018-8670.
- [McF76] **McFadyen:1976:SNA**
John H. McFadyen. Systems Network Architecture: An overview. *IBM Systems Journal*, 15(1):4–23, 1976. CODEN IBMSA7. ISSN 0018-8670. See erratum [Ano76j].
- [McG65] **McGee:1965:DPR**
W. C. McGee. On dynamic program relocation. *IBM Systems Journal*, 4(3):184–199, 1965. CODEN IBMSA7. ISSN 0018-8670.
- [McG72] **McGrath:1972:VMC**
M. McGrath. Virtual machine computing in an engineering environment. *IBM Systems Journal*, 11(2):131–149, 1972. CODEN IBMSA7. ISSN 0018-8670.
- [McG77a] **McGee:1977:IMSa**
William C. McGee. The information management system IMS/VS, part I: General structure and operation. *IBM Systems Journal*, 16(2):84–95, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [McG77b] **McGee:1977:IMSB**
William C. McGee. The information management system IMS/VS, part II: Data base facilities. *IBM Systems Journal*, 16(2):96–122, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [McG77c] **McGee:1977:IMSc**
William C. McGee. The information management system IMS/VS, part III: Batch processing facilities. *IBM Systems Journal*, 16(2):123–135, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [McG77d] **McGee:1977:IMSD**
William C. McGee. The information management system IMS/VS, part IV: Data communication facilities. *IBM Systems Journal*, 16(2):136–147, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [McG77e] **McGee:1977:IMSe**
William C. McGee. The information management system IMS/VS, part V: Transaction processing facilities. *IBM Systems Journal*, 16(2):148–168, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [McI91] **McIntyre:1991:LIT**
D. B. McIntyre. Language as an intellectual tool: From hieroglyphics to APL. *IBM Systems Journal*, 30(4):554–581, 1991.

- CODEN IBMSA7. ISSN 0018-8670.
- [McN93] B. McNutt. I/O subsystem configurations for ESA. New roles for processor storage. *IBM Systems Journal*, 32(2):252–264, 1993. CODEN IBMSA7. ISSN 0018-8670. G321-5512.
- [McP74] William S. McPhee. Operating system integrity in OS/VS2. *IBM Systems Journal*, 13(3):230–252, 1974. CODEN IBMSA7. ISSN 0018-8670.
- [McQ75] George McQuilken. Preface. *IBM Systems Journal*, 14(4):313, 1975. CODEN IBMSA7. ISSN 0018-8670.
- [McQ76a] George McQuilken. Preface. *IBM Systems Journal*, 15(1):2–3, 1976. CODEN IBMSA7. ISSN 0018-8670.
- [McQ76b] George McQuilken. Preface. *IBM Systems Journal*, 15(2):123, 1976. CODEN IBMSA7. ISSN 0018-8670.
- [McQ76c] George McQuilken. Preface. *IBM Systems Journal*, 15(3):180–181, 1976. CODEN IBMSA7. ISSN 0018-8670.
- [McQ76d] George McQuilken. Preface. *IBM Systems Journal*, 15(4):282–284, 1976. CODEN IBMSA7. ISSN 0018-8670.
- [McQ77a] George McQuilken. Preface. *IBM Systems Journal*, 16(1):2–3, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [McQ77b] George McQuilken. Preface. *IBM Systems Journal*, 16(2):82–83, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [McQ77c] George McQuilken. Preface. *IBM Systems Journal*, 16(3):206–207, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [McQ77d] George McQuilken. References. *IBM Systems Journal*, 16(3):318–319, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [McQ94] George McQuilken. Books: *Distributed Computing Environments* by Daniel Cerutti and Donna Pierson. *IBM Systems Journal*, 33(2):372–373, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-2.html>.
- [MDC⁺05] S. Milne, A. Dickinson, A. Carmichael, D. Sloan, R. Eisma, and P. Gregor. Are guidelines enough? An introduction to designing Web sites accessible to

- older people. *IBM Systems Journal*, 44(3):557–571, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/443/milne.html>.
- Mayadas:1986:EPD**
- [MDHM86] A. F. Mayadas, R. C. Durbeck, W. D. Hinsberg, and J. M. McCrossin. The evolution of printers and displays. *IBM Systems Journal*, 25(3-4):399–416, 1986. CODEN IBMSA7. ISSN 0018-8670.
- Mealy:1966:FSO**
- [Mea66] G. H. Mealy. The functional structure of OS/360, part I: Introductory survey. *IBM Systems Journal*, 5(1):3–11, 1966. CODEN IBMSA7. ISSN 0018-8670.
- Meggitt:1964:CCH**
- [Meg64] J. E. Meggitt. A character computer for high-level language interpretation. *IBM Systems Journal*, 3(1):68–78, 1964. CODEN IBMSA7. ISSN 0018-8670.
- Mendoza:1968:ELT**
- [Men68] A. G. Mendoza. An economic lot-sizing technique, part II: Mathematical analysis of the part-period algorithm. *IBM Systems Journal*, 7(1):39–46, 1968. CODEN IBMSA7. ISSN 0018-8670.
- Mankoff:2005:EAS**
- [MFJ05] J. Mankoff, H. Fait, and R. Juang. Evaluating accessibility by simulating the experiences of users with vision or motor impairments. *IBM Systems Journal*, 44(3):505–517, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/443/mankoff.html>.
- Moody:2006:BAP**
- [MGM⁺06] P. Moody, D. Gruen, M. J. Muller, J. Tang, and T. P. Moran. Business activity patterns: a new model for collaborative business applications. *IBM Systems Journal*, 45(4):683–694, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/454/moody.html>.
- Mattson:1970:ETS**
- [MGST70] R. L. Mattson, J. Gecsei, D. R. Slutz, and I. L. Traiger. Evaluation techniques for storage hierarchies. *IBM Systems Journal*, 9(2):78–117, 1970. CODEN IBMSA7. ISSN 0018-8670.
- McEnroe:1975:OSS**
- [MHMM75] Paul V. McEnroe, Henry T. Huth, Jr., Eugene A. Moore, and Walter W. Morris, III. Overview of the Supermarket System and the Retail Store System. *IBM Systems Journal*, 14(1):3–15, 1975. CODEN IBMSA7. ISSN 0018-8670.

- [MICG95] **Marin:1995:ONA**
G. A. Marin, C. P. Immanuel, P. F. Chimento, and I. S. Gopal. Overview of the NBBS architecture. *IBM Systems Journal*, 34(4):564–589, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/382/mills.pdf>. Reprinted from [Mil80].
- [Mil02] **Mills:2002:MSV**
Steve Mills. Message from the Senior Vice President and Group Executive, IBM Software Group. *IBM Systems Journal*, 41(2):??, ????. 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/412/execletter.html>.
- [Mil80] **Mills:1980:MSE**
H. D. Mills. The management of software engineering, part I: Principles of software engineering. *IBM Systems Journal*, 19(4):414–420, 1980. CODEN IBMSA7. ISSN 0018-8670.
- [Mil08] **Miller:1981:NLP**
L. A. Miller. Natural language programming: Styles, strategies, and contrasts. *IBM Systems Journal*, 20(2):184–215, 1981. CODEN IBMSA7. ISSN 0018-8670.
- [Mil81] **Millet:1999:TNP**
I. Millet. Technical note — A proposal to simplify data flow diagrams. *IBM Systems Journal*, 38(1):118–121, ????. 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/381/millet.html>.
- [Mil99a] **Mills:1999:MSE**
H. D. Mills. The management of software engineering, part I: Principled of software engineering. *IBM Systems Journal*, 38(2–3):289–296, ????
- [Mil99b] **Miles:2008:PIS**
I. Miles. Patterns of innovation in service industries. *IBM Systems Journal*, 47(1):115–??, January/March 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/471/miles.html>. See erratum [Ano08b] with corrected Figure 1.
- [Min92] **Minkoff:1992:SAO**
A. S. Minkoff. A systematic approach to OSL application programming. *IBM Systems Journal*, 31(1):49–61, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5460.
- [Mis81] **Misra:1981:CAM**
P. N. Misra. Capacity analysis of the Mass Storage System. *IBM Systems Journal*, 20(3):346–360, 1981. CODEN IBMSA7. ISSN 0018-8670.

- [Mis83] **Misra:1983:SRA**
P. N. Misra. Software reliability analysis. *IBM Systems Journal*, 23(3):262–270, 1983. CODEN IBMSA7. ISSN 0018-8670.
- [Miz88] **Mizell:1988:UDD**
A. M. Mizell. Understanding device drivers in Operating System/2. *IBM Systems Journal*, 27(2):170–184, June 1988. CODEN IBMSA7. ISSN 0018-8670.
- [MJHS90] **Mays:1990:EDP**
R. G. Mays, C. L. Jones, G. J. Holloway, and D. P. Studinski. Experiences with Defect Prevention. *IBM Systems Journal*, 29(1):4–32, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [MK73] **McKay:1973:PCN**
D. B. McKay and D. P. Karp. Protocol for a computer network. *IBM Systems Journal*, 12(1):94–105, 1973. CODEN IBMSA7. ISSN 0018-8670.
- [MKGR07] **Mushlin:2007:GTA**
R. A. Mushlin, A. Kershenbaum, S. T. Gallagher, and T. R. Rebbeck. A graph-theoretical approach for pattern discovery in epidemiological research. *IBM Systems Journal*, 46(1):135–149, ??? 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/461/mushlin.html>.
- [ML84] **Matick:1984:AID**
Richard E. Matick and Daniel T. Ling. Architecture implications in the design of microprocessors. *IBM Systems Journal*, 23(3):264–280, 1984. CODEN IBMSA7. ISSN 0018-8670.
- [MLA83] **Mendelsohn:1983:RVF**
Noah Mendelsohn, Mark H. Linehan, and William J. Anzick. Reflections on VM/Pass-Through: a facility for interactive networking. *IBM Systems Journal*, 23(1-2):63–79, 1983. CODEN IBMSA7. ISSN 0018-8670.
- [MLA91] **Matyas:1991:KSB**
S. M. Matyas, A. V. Le, and D. G. Abraham. A key-management scheme based on control vectors. *IBM Systems Journal*, 30(2):175–191, 1991. CODEN IBMSA7. ISSN 0018-8670.
- [MLDF08] **McLaughlin:2008:IPS**
Grant T. McLaughlin, Leo Y. Liu, Daniel J. DeGross, and Kenneth W. Fleck. IBM Power Systems platform: Advancements in the state of the art in IT availability. *IBM Systems Journal*, 47(4):519–533, ??? 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/474/mclaughlin.pdf>.
- [MLH87] **Mills:1987:BSI**
H. D. Mills, R. C. Linger, and A. R. Hevner. Box structured

- information systems. *IBM Systems Journal*, 26(4):395–413, December 1987. CODEN IBMSA7. ISSN 0018-8670.
- [MLR03] V. Markl, G. M. Lohman, and V. Raman. LEO: An automatic query optimizer for DB2. *IBM Systems Journal*, 42(1):98–106, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/421/markl.pdf>.
- [MM78] Stephen M. Matyas and Carl H. Meyer. Generation, distribution, and installation of cryptographic keys. *IBM Systems Journal*, 17(2):126–137, 1978. CODEN IBMSA7. ISSN 0018-8670.
- [MM90] R. W. Matthews and W. C. McGee. Data modeling for software development. *IBM Systems Journal*, 29(2):228–235, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [MMG⁺00] J. E. Moreira, S. P. Midkiff, M. Gupta, P. V. Artigas, M. Snir, and R. D. Lawrence. Java programming for high-performance numerical computing. *IBM Systems Journal*, 39(1):21–56, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/391/moreira.html>.
- [MMNR90] V. J. Mercurio, B. F. Meyers, A. M. Nisbet, and G. Radin. AD/Cycle strategy and architecture. *IBM Systems Journal*, 29(2):170–188, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [MMS98] S. P. Midkiff, J. E. Moreira, and M. Snir. Optimizing array reference checking in Java programs. *IBM Systems Journal*, 37(3):409–453, 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/373/midkiff.html>.
- [MMS00] F. Martin, B. Mikhak, and B. Silverman. MetaCricket: a designer’s kit for making computational devices. *IBM Systems Journal*, 39(3/4):795–815, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part2/martin.html>; <http://www.research.ibm.com/journal/sj/393/part2/martin.pdf>; <http://www.research.ibm.com/journal/sj/393/part2/martin.txt>.
- [MMS⁺02] J. McCarthy, M. Minsky, A. Sloman, L. Gong, T. Lau,

Markl:2003:LAQ**Mercurio:1990:ACS****Matyas:1978:GDI****Midkiff:1998:OAR****Matthews:1990:DMS****Martin:2000:MDK****Moreira:2000:JPH****McCarthy:2002:ADC**

- L. Morgenstern, E. T. Mueller, D. Riecken, M. Singh, and P. Singh. An architecture of diversity for commonsense reasoning. *IBM Systems Journal*, 41(3):530–539, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/413/forum.html#part2>.
- [MMS⁺04] R. Mack, S. Mukherjea, A. Soffer, N. Uramoto, E. Brown, A. Coden, J. Cooper, A. Inokuchi, B. Iyer, Y. Mass, H. Matsuzawa, and L. V. Subramaniam. Text analytics for life science using the Unstructured Information Management Architecture. *IBM Systems Journal*, 43(3):490–515, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/433/mack.html>; <http://www.research.ibm.com/journal/sj/433/mack.pdf>; <http://www.research.ibm.com/journal/sj/433/mack.txt>.
- [MN06] G. Myles and S. Nusser. Content protection for games. *IBM Systems Journal*, 45(1):119–143, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/451/myles.html>.
- [Mack:2004:TAL] [MO90] R. Mack, S. Mukherjea, A. Soffer, N. Uramoto, E. Brown, A. Coden, J. Cooper, A. Inokuchi, B. Iyer, Y. Mass, H. Matsuzawa, and L. V. Subramaniam. Text analytics for life science using the Unstructured Information Management Architecture. *IBM Systems Journal*, 43(3):490–515, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/433/mack.html>; <http://www.research.ibm.com/journal/sj/433/mack.pdf>; <http://www.research.ibm.com/journal/sj/433/mack.txt>.
- [Malaika:2002:DWS] [MOK78] S. Malaika, C. J. Nelin, R. Qu, B. Reinwald, and D. C. Wolfson. DB2 and Web services. *IBM Systems Journal*, 41(4):666–685, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/414/malaika.pdf>.
- [Morris:1990:ISC] H. M. Morris and R. H. Orth. Image system communications. *IBM Systems Journal*, 29(3):371–383, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [Magid:2008:GRT] Y. Magid, D. Oren, D. Botzer, A. Adi, B. Shulman, E. Rabinovich, and M. Barnea. Generating real-time complex event-processing applications. *IBM Systems Journal*, 47(2):251–??, April/June 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/472/magid.html>.
- [Mays:1985:PRM] R. G. Mays, L. S. Orzech, W. A. Ciarfella, and R. W. Phillips. PDM: a requirements methodology for software system enhancements. *IBM Systems Journal*, 24(2):134–149, 1985. CODEN IBMSA7. ISSN 0018-8670.
- [McCrossin:1978:TDT] James M. McCrossin, Robert P. O’Hara, and L. R. Koster. Time-sharing display terminal

- session manager. *IBM Systems Journal*, 17(3):260–275, 1978. CODEN IBMSA7. ISSN 0018-8670. [Moo90]
- Montalbano:1962:TFC**
- [Mon62] M. Montalbano. Tables, flow charts and program logic. *IBM Systems Journal*, 1:51–63, September 1962. CODEN IBMSA7. ISSN 0018-8670.
- Montalbano:1967:HCC**
- [Mon67] M. Montalbano. High-speed calculation of the critical paths of large networks. *IBM Systems Journal*, 6(3):163–191, 1967. CODEN IBMSA7. ISSN 0018-8670. [Mor78]
- Moore:1979:ELC**
- [Moo79] Roy S. Moore. Evolution of a laboratory communication network. *IBM Systems Journal*, 18(2):315–332, 1979. CODEN IBMSA7. ISSN 0018-8670. [Mor79]
- Moore:1983:TWL**
- [Moo83] Daniel J. Moore. Teletex — a worldwide link among office systems for electronic document exchange. *IBM Systems Journal*, 23(1-2):30–45, 1983. CODEN IBMSA7. ISSN 0018-8670. [MPB⁺04]
- Moore:1988:USA**
- [Moo88] R. E. Moore. Utilizing the SNA alert in the management of multivendor networks. *IBM Systems Journal*, 27(1):15–31, January 1988. CODEN IBMSA7. ISSN 0018-8670.
- Moore:1990:MPD**
- D. J. Moore. Multimedia presentation development using the Audio Visual Connection. *IBM Systems Journal*, 29(4):494–508, 1990. CODEN IBMSA7. ISSN 0018-8670.
- Morrison:1973:UPP**
- [Mor73] J. E. Morrison. User program performance in virtual storage systems. *IBM Systems Journal*, 12(3):216–237, 1973. CODEN IBMSA7. ISSN 0018-8670.
- Morrison:1978:DSL**
- [Mor78] J. Paul Morrison. Data stream linkage mechanism. *IBM Systems Journal*, 17(4):383–408, 1978. CODEN IBMSA7. ISSN 0018-8670. See letters [Lev79, Mor79].
- Morrison:1979:FAR**
- [Mor79] J. Paul Morrison. Forum: Author’s response. *IBM Systems Journal*, 18(3):473–475, 1979. CODEN IBMSA7. ISSN 0018-8670. See [Mor78, Lev79].
- Meliksetian:2004:DIE**
- [MPB⁺04] D. S. Meliksetian, J.-P. Prost, A. S. Bahl, I. Boutboul, D. P. Currier, S. Fibra, J.-Y. Girard, K. M. Kassab, J.-L. Lepasant, C. Malone, and P. Manesco. Design and implementation of an enterprise grid. *IBM Systems Journal*, 43(4):646–664, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/>

- sj/434/meliksetian.html;
<http://www.research.ibm.com/journal/sj/434/meliksetian.pdf>;
<http://www.research.ibm.com/journal/sj/434/meliksetian.txt>.
- [MPF97] M. Meier, H. Pan, and G. Y. Fuh. Debugging DB2/CS client/server applications. *IBM Systems Journal*, 36(1):??, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/361/meier.html>.
- [MPH68] W. C. McGee, H. R. Penafiel, and S. K. Howry. Interactive graphics in data processing: Analysis and display of physics data. *IBM Systems Journal*, 7(3/4):342–354, 1968. CODEN IBMSA7. ISSN 0018-8670.
- [MPR⁺03] J. Menon, D. A. Pease, R. Rees, L. Duyanovich, and B. Hillsberg. IBM Storage Tank — A heterogeneous scalable SAN file system. *IBM Systems Journal*, 42(2):250–267, ??? 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/422/menon.pdf>.
- [MPS71] B. H. Margolin, R. P. Parmelee, and M. Schatzoff. Analysis of free-storage algorithms. *IBM Systems Journal*, 10(4):283–304, 1971. CODEN IBMSA7. ISSN 0018-8670.
- [MPTW94] C. Mohan, H. Pirahesh, W. G. Tang, and Y. Wang. Parallelism in relational database management systems. *IBM Systems Journal*, 33(2):349–371, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-2.html#eight>. G321-5546.
- [MQR05] K. Martin, M. A. Quigley, and S. Rogers. Implementing a learning management system globally: An innovative change management approach. *IBM Systems Journal*, 44(1):125–143, ??? 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/441/martin.html>; <http://www.research.ibm.com/journal/sj/441/martin.pdf>; <http://www.research.ibm.com/journal/sj/441/martin.txt>.
- [MRB01] R. Mack, Y. Ravin, and R. J. Byrd. Knowledge portals and the emerging digital knowledge workplace. *IBM Systems Journal*, 40(4):925–955, ??? 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/404/mack.html>; <http://www.research.ibm.com/journal/sj/404/mack.pdf>; <http://www.research.ibm.com/journal/sj/404/mack.txt>.

- [//www.research.ibm.com/journal/sj/404/mack.pdf](http://www.research.ibm.com/journal/sj/404/mack.pdf).
- [MS70] **Meyer:1970:VMT** R. A. Meyer and L. H. Seawright. A virtual machine time-sharing system. *IBM Systems Journal*, 9(3):199–218, 1970. CODEN IBMSA7. ISSN 0018-8670.
- [MS75] **Metz:1975:SPS** Walter C. Metz, Jr. and David Savir. Store performance studies for the Supermarket System. *IBM Systems Journal*, 14(1):46–63, 1975. CODEN IBMSA7. ISSN 0018-8670.
- [MS80] **McManigal:1980:AIG** D. F. McManigal and D. A. Stevenson. Architecture of the IBM 3277 graphics attachment. *IBM Systems Journal*, 19(3):331–344, 1980. CODEN IBMSA7. ISSN 0018-8670.
- [MS85] **Mudie:1985:ITA** M. W. Mudie and D. J. Schafer. Information technology architecture for change. *IBM Systems Journal*, 24(3-4):307–315, 1985. CODEN IBMSA7. ISSN 0018-8670.
- [MS88] **McComb:1988:ESS** J. McComb and S. Schmidt. Engineering and Scientific Subroutine Library for the IBM 3090 Vector Facility. *IBM Systems Journal*, 27(4):404–415, November 1988. CODEN IBMSA7. ISSN 0018-8670.
- [MSB⁺07] **Madduri:2007:CMD** H. Madduri, S. S. B. Shi, R. Baker, N. Ayachitula, L. Shwartz, M. Surendra, C. Corley, M. Benantar, and S. Patel. A configuration management database architecture in support of IBM Service Management. *IBM Systems Journal*, 46(3):441–??, July/September 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/463/madduri.html>.
- [MSR08] **Morrill:2008:P** Harriet Morrill, David Seidman, and John J. Ritsko. Preface. *IBM Systems Journal*, 47(4):491, 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/474/preface.pdf>.
- [MSS91] **Maslak:1991:CRR** B. A. Maslak, J. M. Showalter, and T. J. Szczygielski. Coordinated Resource Recovery in VM/ESA. *IBM Systems Journal*, 30(1):72–89, 1991. CODEN IBMSA7. ISSN 0018-8670.
- [MSSR08] **Maglio:2008:P** P. P. Maglio, J. Spohrer, D. I. Seidman, and J. J. Ritsko. Preface. *IBM Systems Journal*, 47(1):3–??, January/March 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/474/preface.pdf>.

- research.ibm.com/journal/sj/471/preface.html.
- [MST⁺03] **Meritt:2003:ZSI** [Mue67] A. S. Meritt, J. A. Staubi, K. M. Trowell, G. Whistance, and H. M. Yudenfriend. z/OS support of the IBM TotalStorage Enterprise Storage Server. *IBM Systems Journal*, 42(2): 280–301, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/422/meritt.pdf>.
- [MSZ⁺01] **Mangalam:2001:GOS** [Mur84] H. Mangalam, J. Stewart, J. Zhou, K. Schlauch, M. Waugh, G. Chen, A. D. Farmer, G. Colello, and J. W. Weller. GeneX: An Open Source gene expression database and integrated tool set. *IBM Systems Journal*, 40(2):552–569, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/402/mangalam.html>; <http://www.research.ibm.com/journal/sj/402/mangalam.pdf>; <http://www.research.ibm.com/journal/sj/402/mangalam.txt>.
- [MT03] **Morris:2003:ESS** [MV80] R. J. T. Morris and B. J. Truskowski. The evolution of storage systems. *IBM Systems Journal*, 42(2):205–217, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/422/preface.pdf>.
- Mueller:1967:AGR** J. H. Mueller. Aspects of the Gemini real-time operating system. *IBM Systems Journal*, 6(3):150–162, 1967. CODEN IBMSA7. ISSN 0018-8670.
- Mugele:1962:POC** [Mug62] R. A. Mugele. A program for optimal control of nonlinear processes. *IBM Systems Journal*, 1:2–17, September 1962. CODEN IBMSA7. ISSN 0018-8670.
- Murray:1984:SCP** William H. Murray. Security considerations for personal computers. *IBM Systems Journal*, 23(3):297–304, 1984. CODEN IBMSA7. ISSN 0018-8670.
- Musgrave:1978:ECG** [Mus78] Joan Forrester Musgrave. Experiments in computer-aided graphic expression. *IBM Systems Journal*, 17(3):241–259, 1978. CODEN IBMSA7. ISSN 0018-8670.
- Mishevich:1980:ADS** David J. Mishevich and Don Van Slyke. Application development system — the software architecture of the IBM Health Care Support/DL/I-patient care system. *IBM Systems Journal*, 19(4):478–504, 1980. CODEN IBMSA7. ISSN 0018-8670.

- [MW66] **Margopoulos:1966:TSD**
W. P. Margopoulos and R. J. Williams. On teleprocessing system design, part I: Characteristic problems. *IBM Systems Journal*, 5(3):134–141, 1966. CODEN IBMSA7. ISSN 0018-8670.
- [Mye76] **Myers:1976:CDF**
Glenford J. Myers. Composite design facilities of six programming languages. *IBM Systems Journal*, 15(3):212–224, 1976. CODEN IBMSA7. ISSN 0018-8670.
- [NA07] **Newbold:2007:MCL**
D. L. Newbold and M. C. Azua. A model for CIO-led innovation. *IBM Systems Journal*, 46(4):??, October/December 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/464/newbold.html>.
- [Nae94] **Naeger:1994:BDI**
R. D. Naeger. Books: *Designing Interactive Multimedia* by Arch C. Luther. *IBM Systems Journal*, 33(1):223–224, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-2.html>.
- [Nah74] **Nahouraii:1974:DDS**
E. Nahouraii. Direct-access device simulation. *IBM Systems Journal*, 13(1):19–31, 1974. CODEN IBMSA7. ISSN 0018-8670.
- [Nai95] **Naik:1995:SIN**
V. K. Naik. A scalable implementation of the NAS Parallel Benchmark BT on distributed memory systems. *IBM Systems Journal*, 34(2):273–291, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-2.html#nine>.
- [NC03] **Nigam:2003:BAA**
A. Nigam and N. S. Caswell. Business artifacts: An approach to operational specification. *IBM Systems Journal*, 42(3):428–445, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/423/nigam.pdf>.
- [Neg96] **Negroponte:1996:AS**
N. Negroponte. Asparagus soup. *IBM Systems Journal*, 35(3&4):266–268, 1996. CODEN IBMSA7. ISSN 0018-8670.
- [Neg00] **Negroponte:2000:BDD**
N. Negroponte. From being digital to digital beings. *IBM Systems Journal*, 39(3/4):417–418, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/negroponte.html>; <http://www.research.ibm.com/journal/sj/393/negroponte.pdf>; <http://www.research.ibm.com/journal/sj/393/negroponte.txt>.

- [Neu71] **Neuhold:1971:FDP**
E. J. Neuhold. The formal description of programming languages. *IBM Systems Journal*, 10(2):86–112, 1971. CODEN IBMSA7. ISSN 0018-8670.
- [New82] **Newman:1982:TID**
P. S. Newman. Towards an integrated development environment. *IBM Systems Journal*, 21(1):81–107, 1982. CODEN IBMSA7. ISSN 0018-8670.
- [New85] **Newton:1985:SPP**
J. Newton. Strategies for problem prevention. *IBM Systems Journal*, 24(3-4):248–263, 1985. CODEN IBMSA7. ISSN 0018-8670.
- [NG05] **Niblett:2005:ESO**
P. Niblett and S. Graham. Events and service-oriented architecture: The OASIS Web Services Notification specifications. *IBM Systems Journal*, 44(4):869–886, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/444/niblett.html>.
- [NJ80] **Niehoff:1980:AAP**
W. H. Niehoff and A. L. Jones. An APL approach to presentation graphics. *IBM Systems Journal*, 19(3):367–381, 1980. CODEN IBMSA7. ISSN 0018-8670.
- [NLN⁺07] **Nayak:2007:CBA**
N. Nayak, M. Linehan, A. Nigam, D. Marston, J.-J. Jeng, F. Y. Wu, D. Boullery, L. F. White, P. Nandi, and J. L. C. Sanz. Core business architecture for a service-oriented enterprise. *IBM Systems Journal*, 46(4):??, October/December 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/464/nayak.html>.
- [NMB04] **Naik:2004:ACS**
V. K. Naik, A. Mohindra, and D. F. Bantz. An architecture for the coordination of system management services. *IBM Systems Journal*, 43(1):78–96, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/431/naik.pdf>.
- [NMCB97] **Nick:1997:CTP**
J. M. Nick, B. B. Moore, J.-Y. Chung, and N. S. Bowen. S/390 cluster technology: Parallel Sysplex. *IBM Systems Journal*, 36(2):172–201, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/362/nick.html>.
- [NN01] **Nasukawa:2001:TAK**
T. Nasukawa and T. Nagano. Text analysis and knowledge mining system. *IBM Systems Journal*, 40(4):967–984, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/>

- sj/404/nasukawa.html; <http://www.research.ibm.com/journal/sj/404/nasukawa.pdf>. [NORS80]
- Nagaratnam:2005:BDA**
- [NNH⁺05] N. Nagaratnam, A. Nadalin, M. Hondo, M. McIntosh, and P. Austel. Business-driven application security: From modeling to managing secure applications. *IBM Systems Journal*, 44(4):847–867, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/444/nagaratnam.html>. [NS84]
- Newitt:1970:SRS**
- [NO70] J. W. Newitt and A. Odarchenko. A structure for real-time Stenotype transcription. *IBM Systems Journal*, 9(1):24–35, 1970. CODEN IBMSA7. ISSN 0018-8670. [NS05]
- Norden:1993:QTS**
- [Nor93] P. V. Norden. Quantitative techniques in strategic alignment. *IBM Systems Journal*, 32(1):180–197, 1993. CODEN IBMSA7. ISSN 0018-8670.
- Norman:2003:AMD**
- [NOR03] D. A. Norman, A. Ortony, and D. M. Russell. Affect and machine design: Lessons for the development of autonomous machines. *IBM Systems Journal*, 42(1):38–44, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/421/norman.pdf>. [NSS⁺06]
- Nguyen:1980:RDS**
- Hung C. Nguyen, Arnold Ockene, Richard Revell, and Walter J. Skwish. The role of detailed simulation in capacity planning. *IBM Systems Journal*, 19(1):81–101, 1980. CODEN IBMSA7. ISSN 0018-8670.
- Neal:1984:PME**
- Alan S. Neal and Roger M. Simons. Playback: a method for evaluating the usability of software and its documentation. *IBM Systems Journal*, 23(1):82–96, 1984. CODEN IBMSA7. ISSN 0018-8670.
- Neus:2005:OMC**
- A. Neus and P. Scherf. Opening minds: Cultural change with the introduction of open-source collaboration methods. *IBM Systems Journal*, 44(2):215–225, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/442/neus.html>; <http://www.research.ibm.com/journal/sj/442/neus.pdf>; <http://www.research.ibm.com/journal/sj/442/neus.txt>.
- Neti:2006:P**
- Chalapathy Neti, Anees Shaikh, Chris Sharp, Randy Moulic, Patty Fry, Dick Anderson, John J. Ritsko, and David I. Seidman. Preface. *IBM Systems Journal*, 45(1):3–6, 2006. CODEN IBMSA7. ISSN

- 0018-8670. URL <http://www.research.ibm.com/journal/sj/451/preface.html>.
- Oshisanwo:1992:ROS**
- [OCK⁺92] A. O. Oshisanwo, M. D. Chapman, M. Key, A. P. Mullery, and J. Saint-Blancat. The RACE open services architecture project. *IBM Systems Journal*, 31(4):691–710, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5493.
- Ozcan:2006:ISX**
- [ÖCKM06] F. Özcan, D. Chamberlin, K. Kulkarni, and J.-E. Michels. Integration of SQL and XQuery in IBM DB2. *IBM Systems Journal*, 45(2):245–270, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/452/ozcan.html>.
- Odom:1990:UBS**
- [Odo90] J. E. Odom. Using box structures for definition of requirements specifications. *IBM Systems Journal*, 29(1):59–78, 1990. CODEN IBMSA7. ISSN 0018-8670.
- Ohms:1986:CPD**
- [Ohm86] B. G. Ohms. Computer processing of dates outside the Twentieth Century. *IBM Systems Journal*, 25(2):244–251, 1986. CODEN IBMSA7. ISSN 0018-8670.
- Ohara:2006:MMP**
- [OIS⁺06] M. Ohara, H. Inoue, Y. Sohda, H. Komatsu, and T. Nakatani. MPI microtask for programming the Cell Broadband EngineTM processor. *IBM Systems Journal*, 45(1):85–102, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/451/ohara.html>.
- Osisek:1991:EIA**
- [OJG91] D. L. Osisek, K. M. Jackson, and P. H. Gum. ESA/390 interpretive-execution architecture, foundation for VM/ESA. *IBM Systems Journal*, 30(1):34–51, 1991. CODEN IBMSA7. ISSN 0018-8670.
- Okaya:1968:IGD**
- [Oka68] Y. Okaya. Interactive graphics in data processing: Interactive aspects of crystal structure analysis. *IBM Systems Journal*, 7(3/4):322–330, 1968. CODEN IBMSA7. ISSN 0018-8670.
- Olund:2007:BIM**
- [ÖLL07] G. Ölund, P. Lindqvist, and J.-E. Litton. BIMS: An information management system for biobanking in the 21st Century. *IBM Systems Journal*, 46(1):171–182, 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/461/olund.html>.
- Ominsky:1981:HFD**
- [Omi81] M. Ominsky. Human factors in the development of a family of plant data communications. *IBM Systems Journal*,

- 20(2):216–236, 1981. CODEN IBMSA7. ISSN 0018-8670.
- [Orl73] **Orlicky:1973:NCM**
Joseph A. Orlicky. Net change material requirements planning. *IBM Systems Journal*, 12(1):2–29, 1973. CODEN IBMSA7. ISSN 0018-8670.
- [O’N80] **O’Neill:1980:MSE**
D. O’Neill. The management of software engineering, part II: Software engineering program. *IBM Systems Journal*, 19(4):421–431, 1980. CODEN IBMSA7. ISSN 0018-8670.
- [Orw96] **Orwant:1996:WBU**
J. Orwant. For want of a bit the user was lost: Cheap user modeling. *IBM Systems Journal*, 35(3&4):398–416, 1996. CODEN IBMSA7. ISSN 0018-8670.
- [OPH+00] **Omojola:2000:IIF**
O. Omojola, E. R. Post, M. D. Hancher, Y. Maguire, R. Pappu, B. Schoner, P. R. Russo, R. Fletcher, and N. Gershenfeld. An installation of interactive furniture. *IBM Systems Journal*, 39(3/4):861–879, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part3/omojola.html>; <http://www.research.ibm.com/journal/sj/393/part3/omojola.pdf>; <http://www.research.ibm.com/journal/sj/393/part3/omojola.txt>.
- [Orw00] **Orwant:2000:EAP**
J. Orwant. EGGG: Automated programming for game generation. *IBM Systems Journal*, 39(3/4):782–794, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part2/orwant.html>; <http://www.research.ibm.com/journal/sj/393/part2/orwant.pdf>; <http://www.research.ibm.com/journal/sj/393/part2/orwant.txt>.
- [OSK+95] **Onvural:1995:EAN**
R. O. Onvural, H. J. Sandick, G. M. Kump, E. A. Hervatic, and P. F. Chimento. Enabling ATM networks. *IBM Systems Journal*, 34(4):672–693, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-4.html#nine>.
- [ORBdSB02] **Oblinger:2002:CTA**
D. A. Oblinger, M. Reid, M. Brodie, and R. de Salvo Braz. Cross training and its application to skill mining. *IBM Systems Journal*, 41(3):449–460, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/413/oblinger.html>.
- [OT94] **O’Hare:1994:RAS**
A. B. O’Hare and E. W. Troan. RE-Analyzer: From

- source code to structured analysis. *IBM Systems Journal*, 33(1):110–130, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-1.html#seven>. [Pal04]
- Owen:1995:NNM**
- [Owe95] S. A. Owen. NBBS network management. *IBM Systems Journal*, 34(4):725–750, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-4.html#twelve>.
- Padegs:1964:SSP**
- [Pad64] A. Padegs. The structure of SYSTEM/360, part IV: Channel design considerations. *IBM Systems Journal*, 3(2):165–180, 1964. CODEN IBMSA7. ISSN 0018-8670.
- Padegs:1968:SAS**
- [Pad68] A. Padegs. Structural aspects of the SYSTEM/360 model 85, part III: Extensions to floating-point architecture. *IBM Systems Journal*, 7(1):22–29, 1968. CODEN IBMSA7. ISSN 0018-8670. [Par82]
- Palmer:2001:EH**
- [Pal01] C. C. Palmer. Ethical hacking. *IBM Systems Journal*, 40(3):769–780, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/403/palmer.html>; <http://www.research.ibm.com/journal/sj/403/palmer.pdf>. [Par96]
- Paleologo:2004:PRM**
- G. A. Paleologo. Price-at-Risk: a methodology for pricing utility computing services. *IBM Systems Journal*, 43(1):20–31, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/431/paleologo.pdf>.
- Papert:2000:WBI**
- [Pap00] S. Papert. What’s the big idea? toward a pedagogy of idea power. *IBM Systems Journal*, 39(3/4):720–729, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part2/papert.html>; <http://www.research.ibm.com/journal/sj/393/part2/papert.pdf>; <http://www.research.ibm.com/journal/sj/393/part2/papert.txt>.
- Parker:1982:EIA**
- M. M. Parker. Enterprise information analysis: Cost-benefit analysis and the data-managed system. *IBM Systems Journal*, 21(1):108–123, 1982. CODEN IBMSA7. ISSN 0018-8670.
- Paradiso:1996:IBS**
- J. A. Paradiso. The interactive balloon: Sensing, actuation and behavior in a common object. *IBM Systems Journal*, 35(3&4):473–487, 1996. CODEN IBMSA7. ISSN 0018-8670.

- [Pau07] **Paul:2007:PBP**
C. J. Paul. The process of building a Process Manager: Architecture and design patterns. *IBM Systems Journal*, 46(3):479–??, July/September 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/463/paul.html>.
- [Paz89] **Pazel:1989:DIG**
D. P. Pazel. DS-Viewer—an interactive graphical data structure presentation facility. *IBM Systems Journal*, 28(2):307–323, 1989. CODEN IBMSA7. ISSN 0018-8670.
- [PB90] **Plesums:1990:LIS**
C. A. Plesums and R. W. Bartels. Large-scale image systems: USAA case study. *IBM Systems Journal*, 29(3):343–355, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [PBCK95] **Peyravian:1995:ETD**
M. Peyravian, R. Bodner, C.-S. Chow, and M. Kaplan. Efficient transport and distribution of network control information in NBBS. *IBM Systems Journal*, 34(4):640–658, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-4.html#seven>.
- [PBS97] **Parsons:1997:PPD**
E. W. Parsons, M. Brorsson, and K. C. Sevcik. Predicting the performance of distributed virtual shared-memory applications. *IBM Systems Journal*, 36(4):527–549, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/364/parsons.html>.
- [PBv97] **Prins:1997:FTB**
R. Prins, A. Blokdijk, and N. E. van Oosterom. Family traits in business objects and their applications. *IBM Systems Journal*, 36(1):??, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/361/prins.html>.
- [PCC+98] **Peng:1998:AEB**
C.-S. Peng, S.-K. Chen, J.-Y. Chung, A. Roy-Chowdhury, and V. Srinivasan. Accessing existing business data from the World Wide Web. *IBM Systems Journal*, 37(1):115–132, 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/371/peng.html>.
- [PCFY07] **Pistoia:2007:SSA**
M. Pistoia, S. Chandra, S. J. Fink, and E. Yahav. A survey of static analysis methods for identifying security vulnerabilities in software systems. *IBM Systems Journal*, 46(2):265–??, ????, 2007. CODEN IBMSA7. ISSN 0018-

8670. URL <http://www.research.ibm.com/journal/sj/462/pistoia.html>. [Pen00]
- [PCH93] J. S. Poulin, J. M. Caruso, and D. R. Hancock. The business case for software reuse. *IBM Systems Journal*, 32(4):567–594, 1993. CODEN IBMSA7. ISSN 0018-8670. G321-5525. **Poulin:1993:BCS**
- [PDI⁺00] C. S. Pinhanez, J. W. Davis, S. Intille, M. P. Johnson, A. D. Wilson, A. F. Bobick, and B. Blumberg. Physically interactive story environments. *IBM Systems Journal*, 39(3/4):438–455, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part1/pinhanez.html>; <http://www.research.ibm.com/journal/sj/393/part1/pinhanez.pdf>; <http://www.research.ibm.com/journal/sj/393/part1/pinhanez.txt>. [Per02] **Pinhanez:2000:PI5**
- [Pea82] Ronald J. Pearsall. Technique for assessing external design of software. *IBM Systems Journal*, 21(2):211–219, 1982. CODEN IBMSA7. ISSN 0018-8670. **Pearsall:1982:TAE**
- [Pec85] T. G. Peck. Worldwide systems engineering. *IBM Systems Journal*, 24(3-4):182–188, 1985. CODEN IBMSA7. ISSN 0018-8670. [PGM⁺92] **Peck:1985:WSE**
- [Pentland:2000:A] A. Pentland. It’s alive! *IBM Systems Journal*, 39(3/4):821–822, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part3/pentland.html>; <http://www.research.ibm.com/journal/sj/393/part3/pentland.pdf>; <http://www.research.ibm.com/journal/sj/393/part3/pentland.txt>.
- [Perna:2002:MGM] Janet Perna. Message from the general manager, data management solutions, IBM software group. *IBM Systems Journal*, 41(4):??, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/414/message.pdf>.
- [Ponzo:2005:EIW] J. Ponzo and O. Gruber. Eclipse: Integrating Web technologies. *IBM Systems Journal*, 44(2):279–288, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/442/ponzo.html>; <http://www.research.ibm.com/journal/sj/442/ponzo.pdf>; <http://www.research.ibm.com/journal/sj/442/ponzo.txt>.
- [Papetti:1992:ICE] F. Papetti, S. Golini, M. Maggiore, S. Succi, P. Gaillard, and

- J.-M. Perez. Internal combustion engine design on IBM platforms. *IBM Systems Journal*, 31(4):774–787, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5497.
- [PH99] E. C. Plachy and P. A. Hausler. Enterprise solutions structure. *IBM Systems Journal*, 38(1):4–11, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/381/plachy.html>.
- [PH01] S. Parise and J. C. Henderson. Knowledge resource exchange in strategic alliances. *IBM Systems Journal*, 40(4):908–924, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/404/parise.html>; <http://www.research.ibm.com/journal/sj/404/parise.pdf>.
- [PHBT00] J. A. Paradiso, K. Hsiao, A. Y. Benbasat, and Z. Teegarden. Design and implementation of expressive footwear. *IBM Systems Journal*, 39(3/4):511–529, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part1/paradiso.html>; <http://www.research.ibm.com/journal/sj/393/part1/paradiso.pdf>; <http://www.research.ibm.com/journal/sj/393/part1/paradiso.txt>.
- [PHG+04] J. Ponzio, L. D. Hasson, J. George, G. Thomas, O. Gruber, R. Konuru, A. Purakayastha, R. D. Johnson, J. Colson, and R. A. Pollak. On demand Web-client technologies. *IBM Systems Journal*, 43(2):297–315, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/432/ponzo.html>; <http://www.research.ibm.com/journal/sj/432/ponzo.pdf>; <http://www.research.ibm.com/journal/sj/432/ponzo.txt>.
- [PHS+00] J. A. Paradiso, K. Hsiao, J. Strickon, J. Lifton, and A. Adler. Sensor systems for interactive surfaces. *IBM Systems Journal*, 39(3/4):892–914, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part3/paradiso.html>; <http://www.research.ibm.com/journal/sj/393/part3/paradiso.pdf>; <http://www.research.ibm.com/journal/sj/393/part3/paradiso.txt>.
- [Pic96] R. W. Picard. A society of models for video and image libraries. *IBM Systems Journal*,

Plachy:1999:ESS**Parise:2001:KRE****Paradiso:2000:DIE****Ponzo:2004:DWC****Paradiso:2000:SSI****Picard:1996:SMV**

- 35(3&4):292–312, 1996. CODEN IBMSA7. ISSN 0018-8670.
- [Pic00] R. W. Picard. Toward computers that recognize and respond to user emotion. *IBM Systems Journal*, 39(3/4):705–719, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part2/picard.html>; <http://www.research.ibm.com/journal/sj/393/part2/picard.pdf>; <http://www.research.ibm.com/journal/sj/393/part2/picard.txt>.
- [Pie68] J. F. Pierce. A multi-item economic lot-sizing problem. *IBM Systems Journal*, 7(1):47–66, 1968. CODEN IBMSA7. ISSN 0018-8670.
- [Pin89] B. J. Pine, II. Design, test, and validation of the Application System/400 through early user involvement. *IBM Systems Journal*, 28(3):376–385, 1989. CODEN IBMSA7. ISSN 0018-8670.
- [PJ86] L. C. Percival and S. K. Johnson. Network management software usability test design and implementation. *IBM Systems Journal*, 25(1):92–104, 1986. CODEN IBMSA7. ISSN 0018-8670.
- [Pla89] K. E. Plambeck. Concepts of Enterprise Systems Architecture/370. *IBM Systems Journal*, 28(1):39–61, 1989. CODEN IBMSA7. ISSN 0018-8670.
- [PLGB90] J. M. Prager, D. M. Lambert, D. L. Gardner, and S. R. Balzac. REASON: An intelligent user assistant for interactive environments. *IBM Systems Journal*, 29(1):141–164, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [PMK⁺06] E. Perkins, M. Matsa, M. G. Kostoulas, A. Heifets, and N. Mendelsohn. Generation of efficient parsers through direct compilation of XML Schema grammars. *IBM Systems Journal*, 45(2):225–244, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/452/perkins.html>.
- [PMM83] D. P. Pazel, A. Malhotra, and H. M. Markowitz. The system architecture of EAS-E: An integrated programming and database language. *IBM Systems Journal*, 23(3):188–198, March 1983. CODEN IBMSA7. ISSN 0018-8670.

Picard:2000:TCR**Plambeck:1989:CES****Prager:1990:RIU****Pierce:1968:MEL****Perkins:2006:GEP****Pine:1989:DTV****Pazel:1983:SAE****Percival:1986:NMS**

Polan:1998:TNU

- [Pol98] M. G. Polan. Technical note: Using the San Francisco frameworks with VisualAge for Java. *IBM Systems Journal*, 37(2): 215–226, 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/372/polans.html>.

Pomeroy:1972:GPT

- [Pom72] J. W. Pomeroy. A guide to programming tools and techniques. *IBM Systems Journal*, 11(3):234–254, 1972. CODEN IBMSA7. ISSN 0018-8670.

Post:2000:BDF

- [PORG00] E. R. Post, M. Orth, P. R. Russo, and N. Gershenfeld. Embroidery: Design and fabrication of textile-based computing. *IBM Systems Journal*, 39(3/4):840–860, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part3/post.html>; <http://www.research.ibm.com/journal/sj/393/part3/post.pdf>; <http://www.research.ibm.com/journal/sj/393/part3/post.txt>.

Power:1983:DUP

- [Pow83] L. R. Power. Design and use of a program execution analyzer. *IBM Systems Journal*, 23(3):271–294, 1983. CODEN IBMSA7. ISSN 0018-8670.

Pohs:2001:LKD

- [PPDW01] W. Pohs, G. Pinder, C. Dougherty, and M. White. The Lotus Knowledge Discovery System: Tools and experiences. *IBM Systems Journal*, 40(4): 956–966, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/404/pohs.html>; <http://www.research.ibm.com/journal/sj/404/pohs.pdf>.

Parmelee:1972:VSV

- [PPTH72] R. P. Parmelee, T. I. Peterson, C. C. Tillman, and D. J. Hatfield. Virtual storage and virtual machine concepts. *IBM Systems Journal*, 11(2):99–130, 1972. CODEN IBMSA7. ISSN 0018-8670.

Prager:1983:PAL

- [Pra83] J. M. Prager. The Project Automated Librarian. *IBM Systems Journal*, 23(3):214–228, 1983. CODEN IBMSA7. ISSN 0018-8670.

Prusak:2001:WDK

- [Pru01] L. Prusak. Where did knowledge management come from? *IBM Systems Journal*, 40(4): 1002–1007, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/404/prusak.html>; <http://www.research.ibm.com/journal/sj/404/prusak.pdf>.

- [PRZ02] **Perrone:2002:MLM**
 M. P. Perrone, G. F. Russell, and A. Ziq. Machine learning in a multimedia document retrieval framework. *IBM Systems Journal*, 41(3):494–503, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/413/perrone.html>.
- [PS83] **Parr:1983:NHL**
 Francis N. Parr and Robert E. Strom. NIL: a high-level language for distributed systems programming. *IBM Systems Journal*, 23(1-2):111–127, 1983. CODEN IBMSA7. ISSN 0018-8670.
- [PS99] **Parr:1999:NHL**
 F. N. Parr and R. E. Strom. NIL: a high-level language for distributed systems programming. *IBM Systems Journal*, 38(2-3):181–198, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/382/parr.pdf>. Reprinted from [PS83].
- [PS04] **Perna:2004:I**
 Janet Perna and Alfred Spector. Introduction. *IBM Systems Journal*, 43(3):??, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/433/intro.html>; <http://www.research.ibm.com/journal/sj/433/intro.pdf>; <http://www.research.ibm.com/journal/sj/433/intro.txt>.
- [PSLB97] **Perelgut:1997:OCA**
 S. G. Perelgut, G. M. Silberman, K. A. Lyons, and K. L. Bennet. Overview: The Centre for Advanced Studies. *IBM Systems Journal*, 36(4):474–488, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/364/perelgut.html>.
- [PTE+95] **Pozefsky:1995:MTN**
 D. Pozefsky, R. Turner, A. K. Edwards, S. Sarkar, J. Mathew, G. Bollella, K. Tracey, D. Poirier, J. Fetvedt, W. S. Hobgood, W. A. Doeringer, and D. Dykeman. Multiprotocol Transport Networking: Eliminating application dependencies on communications protocols. *IBM Systems Journal*, 34(3):472–500, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-3.html#nine>.
- [PV97] **Potok:1997:EBM**
 T. E. Potok and M. A. Vouk. The effects of the business model on object-oriented software development productivity. *IBM Systems Journal*, 36(1):??, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/361/potok.html>.

- [PVK08] **Pitkanen:2008:LRT**
O. Pitkänen, P. Virtanen, and J. Kemppinen. Legal research topics in user-centric services. *IBM Systems Journal*, 47(1):143–??, January/March 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/471/pitkanen.html>.
- [PVW91] **Pinter:1991:PCR**
R. Y. Pinter, P. Vortman, and Z. Weiss. Partial compilation of REXX. *IBM Systems Journal*, 30(3):312–321, 1991. CODEN IBMSA7. ISSN 0018-8670.
- [PW88] **Prairie:1988:IDT**
P. L. Prairie and A. H. Weis. IBM's directions in technical computing. *IBM Systems Journal*, 27(4):393–403, November 1988. CODEN IBMSA7. ISSN 0018-8670.
- [PWBK90] **Perry:1990:EGI**
B. T. Perry, B. A. Wester, W. W. Baker, and J. F. Kemmis. Experience gained in implementing ImagePlus. *IBM Systems Journal*, 29(3):467–488, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [PWF05] **Petrie:2005:PIN**
H. L. Petrie, G. Weber, and W. Fisher. Personalization, interaction, and navigation in rich multimedia documents for print-disabled users. *IBM Systems Journal*, 44(3):629–635, ??? 2005. CO-
- [PWSR07] **Paul:2007:P**
C. J. Paul, C. Ward, D. I. Seidman, and J. J. Ritsko. Preface. *IBM Systems Journal*, 46(3):373–??, July/September 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/463/preface.html>.
- [PY08] **Parr:2008:PRW**
F. N. Parr and L. Yusuf. Patterns for real-world-aware and real-time solutions. *IBM Systems Journal*, 47(2):335–??, April/June 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/472/parr.html>.
- [Qua70] **Quarles:1970:TCP**
D. R. Quarles. Trajectory control programs in support of Apollo missions. *IBM Systems Journal*, 9(1):12–23, 1970. CODEN IBMSA7. ISSN 0018-8670.
- [Qui80] **Quinnan:1980:MSE**
R. E. Quinnan. The management of software engineering, part V: Software engineering management practices. *IBM Systems Journal*, 19(4):466–477, 1980. CODEN IBMSA7. ISSN 0018-8670.
- DEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/443/petrie.html>.

Rackmales:1996:BSO

- [Rac96] Bernard A. Rackmales. Books: *Succeeding with Objects: Decision Frameworks for Project Management*, by Adele Goldberg and Kenneth S. Rubin (ISBN 0-201-62878-3) reviewed. *IBM Systems Journal*, 35(2):257–258, 1996. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj35-2.html>.

Radke:1966:MAM

- [Rad66] C. E. Radke. Merge-sort analysis by matrix techniques. *IBM Systems Journal*, 5(4):226–247, 1966. CODEN IBMSA7. ISSN 0018-8670.

Radin:1996:OTP

- [Rad96] G. Radin. Object technology in perspective. *IBM Systems Journal*, 35(2):124–127, 1996. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj35-2.html#two>.

Ramanathan:2008:ITS

- [RAK08] Sriram Ramanathan, Michael Alexander, and Gordon Kerr. The IBM telecommunications service delivery platform. *IBM Systems Journal*, 47(3):433–443, 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj473/ramanathan.pdf>.

Rankin:2002:STA

- [Ran02] C. Rankin. The Software Testing Automation Framework. *IBM Systems Journal*, 41(1):126–139, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj411/rankin.html>; <http://www.research.ibm.com/journal/sj411/rankin.pdf>.

Rappa:2004:UBM

- [Rap04] M. A. Rappa. The utility business model and the future of computing services. *IBM Systems Journal*, 43(1):32–42, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj431/rappa.pdf>.

Raz:1993:IPM

- [Raz93] T. Raz. Introduction of the project management discipline in a software development organization. *IBM Systems Journal*, 32(2):265–277, 1993. CODEN IBMSA7. ISSN 0018-8670. G321-5513.

Ritsko:2001:Pb

- [RB01a] John J. Ritsko and Marilyn L. Bates. Preface. *IBM Systems Journal*, 40(3):612–613, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj403/preface.html>; <http://www.research.ibm.com/journal/sj403/preface.pdf>.

- [RB01b] **Ritsko:2001:Pc**
 John J. Ritsko and Alex Birman. Preface. *IBM Systems Journal*, 40(4):812–813, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/404/preface.html>; <http://www.research.ibm.com/journal/sj/404/preface.pdf>.
- [RB02a] **Ritsko:2002:Pc**
 John J. Ritsko and Marilyn Bates. Preface. *IBM Systems Journal*, 41(4):553–554, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/414/preface.pdf>.
- [RB02b] **Ritsko:2002:Pa**
 John J. Ritsko and Marilyn L. Bates. Preface. *IBM Systems Journal*, 41(1):2–3, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/411/preface.html>; <http://www.research.ibm.com/journal/sj/411/preface.pdf>.
- [RB04a] **Ritsko:2004:Pa**
 John J. Ritsko and Alex Birman. Preface. *IBM Systems Journal*, 43(1):3–4, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/431/preface.pdf>.
- [RB04b] **Ritsko:2004:Pd**
 John J. Ritsko and Alex Birman. Preface. *IBM Systems Journal*, 43(4):622–623, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/434/preface.html>; <http://www.research.ibm.com/journal/sj/434/preface.pdf>; <http://www.research.ibm.com/journal/sj/434/preface.txt>.
- [RB05a] **Ritsko:2005:Pb**
 John J. Ritsko and Alex Birman. Preface. *IBM Systems Journal*, 44(2):213–214, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/442/preface.html>; <http://www.research.ibm.com/journal/sj/442/preface.pdf>; <http://www.research.ibm.com/journal/sj/442/preface.txt>.
- [RB05b] **Ritsko:2005:Pc**
 John J. Ritsko and Alex Birman. Preface. *IBM Systems Journal*, 44(4):651–652, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/444/preface.html>.
- [RB06] **Ritsko:2006:Pa**
 John J. Ritsko and Alex Birman. Preface. *IBM Systems Journal*, 45(2):205, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/452/preface.html>.

- [RB07] **Ritsko:2007:P**
John J. Ritsko and Alex Birman. Preface. *IBM Systems Journal*, 46(2):203–??, ??? 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/462/preface.html>.
- [RC69] **Ruggiero:1969:APS**
J. F. Ruggiero and D. A. Coryell. An auxiliary processing system for array calculations. *IBM Systems Journal*, 8(2):118–135, 1969. CODEN IBMSA7. ISSN 0018-8670.
- [RC91] **Reisman:1991:PMS**
S. Reisman and W. A. Carr. Perspectives on multimedia systems in education. *IBM Systems Journal*, 30(3):280–295, 1991. CODEN IBMSA7. ISSN 0018-8670.
- [RCB98] **Rubin:1998:JIS**
B. S. Rubin, A. R. Christ, and K. A. Bohrer. Java and the IBM San Francisco project. *IBM Systems Journal*, 37(3):365–371, ??? 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/373/rubin.html>.
- [RCPR07] **Ramanathan:2007:RAR**
J. Ramanathan, R. J. Cohen, E. Plassmann, and K. Ramamoorthy. Role of an auditing and reporting service in compliance management. *IBM Systems Journal*, 46(2):305–??, ??? 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/462/ramanathan.html>.
- [RD01] **Ritsko:2001:Pa**
John J. Ritsko and Alfred G. Davis. Preface. *IBM Systems Journal*, 40(1):2–3, ??? 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/401/preface.html>.
- [RD02] **Ritsko:2002:Pb**
John J. Ritsko and Alfred G. Davis. Preface. *IBM Systems Journal*, 41(2):168–177, ??? 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/412/preface.html>.
- [RD03] **Ritsko:2003:P**
John J. Ritsko and Alfred G. Davis. Preface. *IBM Systems Journal*, 42(3):403–404, ??? 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/423/preface.pdf>.
- [Rec72] **Rechtschaffen:1972:QSU**
R. N. Rechtschaffen. Queuing simulation using a random number generator. *IBM Systems Journal*, 11(3):255–271, 1972. CODEN IBMSA7. ISSN 0018-8670.

- [Rei76] **Reiser:1976:IMC**
 Martin Reiser. Interactive modeling of computer systems. *IBM Systems Journal*, 15(4):309–327, 1976. CODEN IBMSA7. ISSN 0018-8670.
- [Rei79] **Reich:1979:FMV**
 David L. Reich. Forum: Managing VM/CMS systems. *IBM Systems Journal*, 18(4):604–605, 1979. CODEN IBMSA7. ISSN 0018-8670. See [DK79b, DK79a].
- [Rei88] **Reinsch:1988:DDS**
 R. Reinsch. Distributed database for SAA. *IBM Systems Journal*, 27(3):362–369, 1988. CODEN IBMSA7. ISSN 0018-8670.
- [Rei89] **Reilly:1989:DVA**
 P. Reilly. Data visualization in archaeology. *IBM Systems Journal*, 28(4):569–579, 1989. CODEN IBMSA7. ISSN 0018-8670.
- [Res96] **Resnick:1996:TTW**
 M. Resnick. Things to think with. *IBM Systems Journal*, 35(3&4):441–442, 1996. CODEN IBMSA7. ISSN 0018-8670.
- [Res00] **Resnick:2000:PEC**
 M. Resnick. Part 3: Everywhere computing: It’s not just information. *IBM Systems Journal*, 39(3/4):816–817, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part2/resnick.html>; <http://www.research.ibm.com/journal/sj/393/part2/resnick.pdf>; <http://www.research.ibm.com/journal/sj/393/part2/resnick.txt>.
- [RG85] **Roberts:1985:DCI**
 M. L. Roberts and P. D. Griffiths. Design considerations for IBM Personal Computer Professional Fortran, an optimizing compiler. *IBM Systems Journal*, 24(1):49–60, 1985. CODEN IBMSA7. ISSN 0018-8670.
- [RGH⁺76] **Raimondi:1976:LED**
 Donald L. Raimondi, Henry M. Gladney, Gerd Hochweller, Robert W. Martin, and Linda L. Spencer. Labs/7 — a distributed real-time operating system. *IBM Systems Journal*, 15(1):81–101, 1976. CODEN IBMSA7. ISSN 0018-8670.
- [RH77] **Raver:1977:ALD**
 N. Raver and G. U. Hubbard. Automated logical data base design: Concepts and applications. *IBM Systems Journal*, 16(3):287–312, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [RHC⁺06] **Roth:2006:XMT**
 M. Roth, M. A. Hernandez, P. Coulthard, L. Yan, L. Popa, H. C.-T. Ho, and C. C. Salter. XML mapping technology: Making connections in an XML-centric world. *IBM Systems Journal*, 45(2):

- 389–409, ????. 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/452/roth.html>.
- [RHMP85] **Radice:1985:PPS**
R. A. Radice, J. T. Harding, P. E. Munnis, and R. W. Phillips. A programming process study. *IBM Systems Journal*, 24(2):91–101, 1985. CODEN IBMSA7. ISSN 0018-8670.
- [RHMP99] **Radice:1999:PPS**
R. A. Radice, J. T. Harding, P. E. Munnis, and R. W. Phillips. A programming process study. *IBM Systems Journal*, 38(2–3):297–307, ????. 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/382/radice.pdf>. Reprinted from [RROC85].
- [Ric00] **Ricke:2000:TNT**
D. D. Ricke. Technical note — A three-dimensional framework for information technology solutions. *IBM Systems Journal*, 39(2):336–359, ????. 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/392/ricke.html>.
- [RLPG96] **Reinwald:1996:SUO**
B. Reinwald, T. J. Lehman, H. Pirahesh, and V. Gottemukkala. Storing and using objects in a relational database. *IBM Systems Journal*, 35(2):172–191, 1996. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj35-2.html#five>.
- [RM67] **Ricour:1967:IDM**
D. H. Ricour and V. Mei. Internal data management techniques for DOS/360. *IBM Systems Journal*, 6(1):38–48, 1967. CODEN IBMSA7. ISSN 0018-8670.
- [RM88] **Rose:1988:SNM**
D. B. Rose and J. E. Munn. SNA network management directions. *IBM Systems Journal*, 27(1):3–14, January 1988. CODEN IBMSA7. ISSN 0018-8670.
- [RM00] **Rhodes:2000:JTI**
B. J. Rhodes and P. Maes. Just-in-time information retrieval agents. *IBM Systems Journal*, 39(3/4):685–704, ????. 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part2/rhodes.html>; <http://www.research.ibm.com/journal/sj/393/part2/rhodes.pdf>; <http://www.research.ibm.com/journal/sj/393/part2/rhodes.txt>.
- [RMC03] **Russell:2003:CNM**
L. W. Russell, S. P. Morgan, and E. G. Chron. Clockwork: a new movement in autonomic systems. *IBM Systems Journal*, 42(1):77–84, ????

2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/421/russell.pdf>.
- Russell:2003:DGM**
- [RMDN03] D. M. Russell, P. P. Maglio, R. Dordick, and C. Neti. Dealing with ghosts: Managing the user experience of autonomic computing. *IBM Systems Journal*, 42(1):177–195, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/421/maglio.pdf>.
- Rooney:2008:ITP**
- [RMH08] William J. Rooney, Gregory E. McBride, and Tariq Hanif. IBM TotalStorage Productivity Center for Replication for z/OS. *IBM Systems Journal*, 47(4):681–694, 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/474/rooney.pdf>.
- Radhakrishnan:2008:ISM**
- [RMP08] Rajesh Radhakrishnan, Kari Mark, and Bill Powell. IT service management for high availability. *IBM Systems Journal*, 47(4):549–561, 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/474/radhakrishnan.pdf>.
- Rose:2006:VXT**
- [RMS06] K. H. Rose, S. Malaika, and R. J. Schloss. Virtual XML: a toolbox and use cases for the XML world view. *IBM Systems Journal*, 45(2):411–424, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/452/rose.html>.
- Resnick:1996:PBT**
- [RMSS96] M. Resnick, F. Martin, R. Sargent, and B. Silverman. Programmable bricks: Toys to think with. *IBM Systems Journal*, 35(3&4):443–452, 1996. CODEN IBMSA7. ISSN 0018-8670.
- Robson:2001:FSU**
- [Rob01] B. Robson. Fastfinger: a study into the use of compressed residue pair separation matrices for protein sequence comparison. *IBM Systems Journal*, 40(2):442–463, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/402/robson.html>; <http://www.research.ibm.com/journal/sj/402/robson.pdf>; <http://www.research.ibm.com/journal/sj/402/robson.txt>.
- Rofrano:1992:DCD**
- [Rof92] J. J. Rofrano, Jr. Design considerations for distributed applications. *IBM Systems Journal*, 31(3):564–589, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5487.
- Rofrano:2001:IWC**
- [Rof01] J. J. Rofrano. IBM WebSphere Commerce Suite Prod-

- uct Advisor. *IBM Systems Journal*, 40(1):91–103, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/401/rofrano.html>.
- [Rog75] John G. Rogers. Structured programming for virtual storage systems. *IBM Systems Journal*, 14(4):385–406, 1975. CODEN IBMSA7. ISSN 0018-8670.
- [Rog83] G. R. Rogers. A simple architecture for consistent application program design. *IBM Systems Journal*, 23(3):199–213, 1983. CODEN IBMSA7. ISSN 0018-8670.
- [Rom08] Ginni Rometty. Message from the Senior Vice President, Global Business Services. *IBM Systems Journal*, 47(1):??, January/March 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/471/message.html>.
- [RR96] M. Resnick and N. Rusk. The Computer Clubhouse: Preparing for life in a digital world. *IBM Systems Journal*, 35(3&4):431–440, 1996. CODEN IBMSA7. ISSN 0018-8670.
- [RROC85] R. A. Radice, N. K. Roth, A. C. O’Hara, Jr., and W. A. Ciarfella. A programming process architecture. *IBM Systems Journal*, 24(2):79–90, 1985. CODEN IBMSA7. ISSN 0018-8670.
- [RS72] R. C. Rettus and R. A. Smith. Accounting control of data processing. *IBM Systems Journal*, 11(1):74–92, 1972. CODEN IBMSA7. ISSN 0018-8670.
- [RS73] J. Ravin and M. Schatzoff. An interactive graphics system for analysis of business decisions. *IBM Systems Journal*, 12(3):238–256, 1973. CODEN IBMSA7. ISSN 0018-8670.
- [RS85] R. R. Ryan and H. Spiller. The C programming language and a C compiler. *IBM Systems Journal*, 24(1):37–48, 1985. CODEN IBMSA7. ISSN 0018-8670.
- [RS98] R. Retallick and S. Sánchez. Enterprise knowledge sharing, activity management, and a fabric for commitment. *IBM Systems Journal*, 37(2):189–199, 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/372/retallick.html>.

- [RS04a] **Ritsko:2004:Pb** John J. Ritsko and David I. Seidman. Preface. *IBM Systems Journal*, 43(2):211–212, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/432/preface.html>. [Rub89]
- [RS04b] **Ritsko:2004:Pc** John J. Ritsko and David I. Seidman. Preface. *IBM Systems Journal*, 43(3):449–450, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/433/preface.html>; <http://www.research.ibm.com/journal/sj/433/preface.pdf>; <http://www.research.ibm.com/journal/sj/433/preface.txt>. [Rul68] [RW04]
- [RS05] **Ritsko:2005:Pa** John J. Ritsko and David I. Seidman. Preface. *IBM Systems Journal*, 44(1):3–4, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/441/preface.html>; <http://www.research.ibm.com/journal/sj/441/preface.pdf>; <http://www.research.ibm.com/journal/sj/441/preface.txt>. [Rul68] [RWKN02]
- [RS06] **Ritsko:2006:Pb** John J. Ritsko and David I. Seidman. Preface. *IBM Systems Journal*, 45(3):449–450, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/453/preface.html>. [Ryd70]
- Rubsam:1989:MDS** K. G. Rubsam. MVS data services. *IBM Systems Journal*, 28(1):151–164, 1989. CODEN IBMSA7. ISSN 0018-8670.
- Rully:1968:IGD** A. D. Rully. Interactive graphics in data processing: a subroutine package for FORTRAN. *IBM Systems Journal*, 7(3/4):248–256, 1968. CODEN IBMSA7. ISSN 0018-8670.
- Ross:2004:PUC** J. W. Ross and G. Westerman. Preparing for utility computing: The role of IT architecture and relationship management. *IBM Systems Journal*, 43(1):5–19, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/431/ross.pdf>.
- Roth:2002:IIN** M. A. Roth, D. C. Wolfson, J. C. Kleewein, and C. J. Nelin. Information integration: a new generation of information technology. *IBM Systems Journal*, 41(4):563–577, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/414/roth.pdf>.
- Ryder:1970:HAT** K. D. Ryder. A heuristic approach to task dispatching. *IBM Systems Journal*, 9

- (3):189–198, 1970. CODEN IBMSA7. ISSN 0018-8670.
- [Ryd74] **Ryder:1974:OPR** K. D. Ryder. Optimizing program replacement in virtual systems. *IBM Systems Journal*, 13(4):292–306, 1974. CODEN IBMSA7. ISSN 0018-8670.
- [Ryd83] **Ryder:1983:EAS** K. D. Ryder. An experimental address space isolation technique for SNA networks. *IBM Systems Journal*, 23(4):367–386, 1983. CODEN IBMSA7. ISSN 0018-8670.
- [Rym90] **Ryman:1990:PSI** A. Ryman. Personal systems image application architecture: Lessons learned from the ImageEdit program. *IBM Systems Journal*, 29(3):408–420, 1990. CODEN IBMSA7. ISSN 0018-8670.
- [SA69] **Skinner:1969:ESC** C. E. Skinner and J. R. Asher. Effects of storage contention on system performance. *IBM Systems Journal*, 8(4):319–333, 1969. CODEN IBMSA7. ISSN 0018-8670.
- [SAAF73a] **Senko:1973:DSAa** M. E. Senko, E. B. Altman, M. M. Astrahan, and P. L. Fehder. Data structures and accessing in data-base systems, part I: Evolution of information systems. *IBM Systems Journal*, 12(1):30–44, 1973. CODEN IBMSA7. ISSN 0018-8670.
- [SAAF73b] **Senko:1973:DSAb** M. E. Senko, E. B. Altman, M. M. Astrahan, and P. L. Fehder. Data structures and accessing in data-base systems, part II: Information organization. *IBM Systems Journal*, 12(1):45–63, 1973. CODEN IBMSA7. ISSN 0018-8670.
- [SAAF73c] **Senko:1973:DSAc** M. E. Senko, E. B. Altman, M. M. Astrahan, and P. L. Fehder. Data structures and accessing in data-base systems, part III: Data representations and the data independent accessing model. *IBM Systems Journal*, 12(1):64–93, 1973. CODEN IBMSA7. ISSN 0018-8670.
- [Sab06] **Sabbah:2006:I** Daniel Sabbah. Introduction. *IBM Systems Journal*, 45(3):??, ????, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/453/intro.html>.
- [Sag90] **Sagawa:1990:RMT** J. M. Sagawa. Repository Manager technology (specifications manager). *IBM Systems Journal*, 29(2):209–227, 1990. CODEN IBMSA7. ISSN 0018-8670. See erratum [Ano90f].
- [Sal88] **Sales:1988:CNG** R. Sales. COBOL/2: The next generation in applications programming. *IBM Systems Jour-*

- nal*, 27(2):158–169, June 1988. CODEN IBMSA7. ISSN 0018-8670.
- [Sam88] H. Samukawa. Programming style on the IBM 3090 Vector Facility considering both performance and flexibility. *IBM Systems Journal*, 27(4):453–474, November 1988. CODEN IBMSA7. ISSN 0018-8670.
- [San81] G. Sandberg. A primer on relational data base concepts. *IBM Systems Journal*, 20(1):23–40, 1981. CODEN IBMSA7. ISSN 0018-8670.
- [San07] Linda S. Sanford. Message from the Senior Vice President, Enterprise On Demand Transformation & Information Technology. *IBM Systems Journal*, 46(4):??, October/December 2007. CODEN IBMSA7. ISSN 0018-8670.
- [Sar77] K. S. Sarrna. An input-output econometric model. *IBM Systems Journal*, 16(4):398–420, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [SB82a] J. G. Sakamoto and F. W. Ball. Supporting business systems planning studies with the DB/DC data dictionary. *IBM Systems Journal*, 21(1):54–80, 1982. CODEN IBMSA7. ISSN 0018-8670.
- [SB82b] Thomas Schick and Robert F. Brockish. The Document Interchange Architecture: a member of a family of architectures in the SNA environment. *IBM Systems Journal*, 21(2):220–244, 1982. CODEN IBMSA7. ISSN 0018-8670.
- [SB93] K. D. Saracelli and K. F. Bantat. Process automation in software application development. *IBM Systems Journal*, 32(3):376–396, 1993. CODEN IBMSA7. ISSN 0018-8670. G321-5517.
- [SB95] R. A. Sultan and C. Basso. ATM: Paving the information superhighway. *IBM Systems Journal*, 34(3):375–389, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-3.html#four>.
- [SB97] C. B. Seaman and V. R. Basili. Communication and organization in software development: An empirical study. *IBM Systems Journal*, 36(4):550–563, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/364/seaman.html>.

- [SB00a] **Selker:2000:CAD**
 T. Selker and W. Burleson. Context-aware design and interaction in computer systems. *IBM Systems Journal*, 39(3/4): 880–891, ??? 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part3/selker.html>; <http://www.research.ibm.com/journal/sj/393/part3/selker.pdf>; <http://www.research.ibm.com/journal/sj/393/part3/selker.txt>.
- [SB00b] **Smith:2000:JIM**
 B. K. Smith and E. Blankinship. Justifying imagery: Multimedia support for learning through explanation. *IBM Systems Journal*, 39(3/4):749–767, ??? 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part2/blankinship.html>; <http://www.research.ibm.com/journal/sj/393/part2/blankinship.pdf>; <http://www.research.ibm.com/journal/sj/393/part2/blankinship.txt>.
- [SBC97] **Socket:1997:MLR**
 G. H. Socket, T. A. Beavin, and C.-C. Chang. A method for on-line reorganization of a database. *IBM Systems Journal*, 36(3):411–436, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/363/socket.html>.
- [SBC+08] **Scadden:2008:RHC**
 Russell R. Scadden, Richard J. Bogdany, Jade W. Clifford, Herbert D. (Herbie) Pearthree, and Richard A. Locke. Resilient hosting in a continuously available virtualized environment. *IBM Systems Journal*, 47(4):535–548, ??? 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/474/scadden.pdf>.
- [SBE+00] **Smith:2000:SSJ**
 B. K. Smith, W. Bender, I. Endter, J. Driscoll, M. Turpeinen, and D. Quan. Silver Stringers and Junior Journalists: Active information producers. *IBM Systems Journal*, 39(3/4): 730–748, ??? 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part2/smith.html>; <http://www.research.ibm.com/journal/sj/393/part2/smith.pdf>; <http://www.research.ibm.com/journal/sj/393/part2/smith.txt>.
- [SBL+94] **Slonim:1994:CAS**
 J. Slonim, M. A. Bauer, P.-Å. Larson, J. Schwarz, C. Butler, E. B. Buss, and D. Sabbah. The Centre for Advanced Studies: a model for applied research and development. *IBM Systems Journal*, 33(3):382–398,

1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-3.html#two>. G321-5547.
- [SC97] V. Srinivasan and D. T. Chang. Object persistence in object-oriented applications. *IBM Systems Journal*, 36(1):??, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/361/srinivasan.html>.
- [Sch73] A. L. Scherr. Functional structure of IBM Virtual Storage Operating Systems — 2 OS/VS2-2 concepts and philosophies. *IBM Systems Journal*, 12(4):382–400, 1973. CODEN IBMSA7. ISSN 0018-8670.
- [Sch78] Allan L. Scherr. Distributed data processing. *IBM Systems Journal*, 17(4):324–343, 1978. CODEN IBMSA7. ISSN 0018-8670.
- [Sch80a] Richard M. Schardt. An MVS tuning approach. *IBM Systems Journal*, 19(1):102–119, 1980. CODEN IBMSA7. ISSN 0018-8670.
- [Sch80b] Donald C. Schiller. System capacity and performance evaluation. *IBM Systems Journal*, 19(1):46–67, 1980. CODEN IBMSA7. ISSN 0018-8670.
- [Sch83] A. L. Scherr. A perspective on communications and computing. *IBM Systems Journal*, 23(1/2):5–10, 1983. CODEN IBMSA7. ISSN 0018-8670.
- [Sch87] Allan L. Scherr. Structures for networks of systems. *IBM Systems Journal*, 26(1):4–12, January 1987. CODEN IBMSA7. ISSN 0018-8670.
- [Sch88] A. L. Scherr. SAA distributed processing. *IBM Systems Journal*, 27(3):370–383, 1988. CODEN IBMSA7. ISSN 0018-8670.
- [Sch93] A. L. Scherr. A new approach to business processes. *IBM Systems Journal*, 32(1):80–98, 1993. CODEN IBMSA7. ISSN 0018-8670. G321-5504.
- [Sch99] A. L. Scherr. Distributed data processing. *IBM Systems Journal*, 38(2–3):354–374, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/382/scherr.pdf>. Reprinted from [Sch78].
- [Sch03] A. L. Schirmer. Privacy and knowledge management: Chal-
- Srinivasan:1997:OPO**
- Scherr:1973:FSI**
- Scherr:1978:DDP**
- Schardt:1980:MTA**
- Schiller:1980:SCP**
- Scherr:1983:PCC**
- Scherr:1987:SNS**
- Scherr:1988:SDP**
- Scherr:1993:NAB**
- Scherr:1999:DDP**
- Schirmer:2003:PKM**

- lenges in the design of the Lotus Discovery Server. *IBM Systems Journal*, 42(3):519–531, ????. 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/423/schirmer.pdf>. [SD07]
- [SCK02] A. Somani, D. Choy, and J. Kleewein. Bringing together content and data management systems: Challenges and opportunities. *IBM Systems Journal*, 41(4):686–696, ????. 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/414/somani.pdf>. [SDE+06]
- [SCO03] D. A. Sawin, J. A. Calcaterra, and K. Olka. Access ThinkPad: The right information at the right time and place. *IBM Systems Journal*, 42(4):669–685, ????. 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/424/sawin.pdf>. [SDP00]
- [SD03] D. Shi and R. L. Daniels. A survey of manufacturing flexibility: Implications for e-business flexibility. *IBM Systems Journal*, 42(3):414–427, ????. 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/423/shi.pdf>. [SE08]
- [Shabo:2007:SLC] A. Shabo and D. Dotan. The seventh layer of the clinical-genomics information infrastructure. *IBM Systems Journal*, 46(1):57–67, ????. 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/461/shabo.html>.
- [Sow:2006:UHY] D. M. Sow, J. S. Davis, M. R. Ebling, A. Misra, and L. Bergman. Uncovering the to-dos hidden in your in-box. *IBM Systems Journal*, 45(4):739–757, ????. 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/454/sow.html>.
- [Sparacino:2000:MPI] F. Sparacino, G. Davenport, and A. Pentland. Media in performance: Interactive spaces for dance, theater, circus, and museum exhibits. *IBM Systems Journal*, 39(3/4):479–510, ????. 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part1/sparacino.html>; <http://www.research.ibm.com/journal/sj/393/part1/sparacino.pdf>; <http://www.research.ibm.com/journal/sj/393/part1/sparacino.txt>.
- [Sharon:2008:EPN] G. Sharon and O. Etzion. Event-processing network model.

- and implementation. *IBM Systems Journal*, 47(2):321–??, April/June 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/472/sharon.html>. [Sel08]
- Seaman:1966:TSDb**
- [Sea66] P. H. Seaman. On teleprocessing system design, part VI: The role of digital simulation. *IBM Systems Journal*, 5(3):175–189, 1966. CODEN IBMSA7. ISSN 0018-8670. [Sen77]
- Seaman:1980:MCP**
- [Sea80] Phillip H. Seaman. Modeling considerations for predicting performance of CICS/VS systems. *IBM Systems Journal*, 19(1):68–80, 1980. CODEN IBMSA7. ISSN 0018-8670. [Sew67]
- Selinger:1987:DT**
- [Sel87] Patricia G. Selinger. Database technology. *IBM Systems Journal*, 26(1):96–106, January 1987. CODEN IBMSA7. ISSN 0018-8670. [SF01]
- Selic:2006:UMD**
- [Sel06] B. Selic. UML 2: a model-driven development tool. *IBM Systems Journal*, 45(3):607–620, ??? 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/453/selic.html>.
- Selic:2008:APE**
- B. Selic. Accounting for platform effects in the design of real-time software using model-based methods. *IBM Systems Journal*, 47(2):309–??, April/June 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/472/selic.html>.
- Senko:1977:DSD**
- M. E. Senko. Data structures and data accessing in data base systems past, present, future. *IBM Systems Journal*, 16(3):208–257, 1977. CODEN IBMSA7. ISSN 0018-8670.
- Seward:1967:AMS**
- F. K. Seward. An application-oriented multiprocessing system, part VI: Programs for the intended application. *IBM Systems Journal*, 6(2):124–132, 1967. CODEN IBMSA7. ISSN 0018-8670.
- Siew:2001:CEP**
- N. Siew and D. Fischer. Convergent evolution of protein structure prediction and computer chess tournaments: CASP, Kasparov, and CAFASP. *IBM Systems Journal*, 40(2):410–425, ??? 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/402/siew.html>; <http://www.research.ibm.com/journal/sj/402/siew.pdf>; <http://www.research.ibm.com/journal/sj/402/siew.pdf>

- /www.research.ibm.com/journal/sj/402/siew.txt.
- [SF05] Danny Sabbah and Daniel Frye. Introduction. *IBM Systems Journal*, 44(2):??, ??? 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/442/intro.html>; <http://www.research.ibm.com/journal/sj/442/intro.pdf>; <http://www.research.ibm.com/journal/sj/442/intro.txt>. [SH68]
- [SFJ+94] M. Schlatter, R. Furegati, F. Jeger, H. Schneider, and H. Streckeisen. The Business Object Management System. *IBM Systems Journal*, 33(2):239–263, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-2.html#three>. G321-5541. [SH87]
- [SG98] S. Sawyer and P. J. Guinan. Software development: Processes and performance. *IBM Systems Journal*, 37(4):552–569, ??? 1998. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/374/sawyer.html>. [Sha65a]
- [SGS89] C. A. Scalzi, A. G. Ganek, and R. J. Schmalz. Enterprise Sys- [Sha65b]
- tems Architecture/370: an architecture for multiple virtual space access and authorization. *IBM Systems Journal*, 28(1): 15–38, 1989. CODEN IBMSA7. ISSN 0018-8670.
- W. I. Stanley and H. F. Hertel. Statistics gathering and simulation for the Apollo real-time operating system. *IBM Systems Journal*, 7(2):85–102, 1968. CODEN IBMSA7. ISSN 0018-8670.
- R. O. Simpson and P. D. Hester. The IBM RT PC ROMP processor and memory management unit architecture. *IBM Systems Journal*, 26(4): 346–360, December 1987. CODEN IBMSA7. ISSN 0018-8670.
- S. Shapiro. Fabrication and assembly operations, part VII: Adaptive control in production planning. *IBM Systems Journal*, 4(3):250–255, 1965. CODEN IBMSA7. ISSN 0018-8670.
- S. Shapiro. A technique to control waiting time in a queue. *IBM Systems Journal*, 4(1):53–57, 1965. CODEN IBMSA7. ISSN 0018-8670.
- M. J. Shah. Automatic programming for energy manage-

- ment using sensor based computers. *IBM Systems Journal*, 18(3):457–469, 1979. CODEN IBMSA7. ISSN 0018-8670. [Shu89]
- [She80] B. J. Shepherd. Experimental page makeup of text with graphics on a raster printer. *IBM Systems Journal*, 19(3):345–355, 1980. CODEN IBMSA7. ISSN 0018-8670. **Shepherd:1980:EPM**
- [SHFG95] M. Snir, P. Hochschild, D. D. Frye, and K. J. Gildea. The communication software and parallel environment of the IBM SP2. *IBM Systems Journal*, 34(2):205–221, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-2.html#five>. **Snir:1995:CSP**
- [SHLP05] M.-T. Schmidt, B. Hutchison, P. Lambros, and R. Phippen. The Enterprise Service Bus: Making service-oriented architecture real. *IBM Systems Journal*, 44(4):781–797, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/444/schmidt.html>. **Schmidt:2005:ESB**
- [SHP69] E. W. Stacy, L. E. Hunsinger, and J. F. Price. Determining economic sampling plans. *IBM Systems Journal*, 8(3):220–244, 1969. CODEN IBMSA7. ISSN 0018-8670. **Stacy:1969:DES**
- [Shu89] N. C. Shu. Visual programming: Perspectives and approaches. *IBM Systems Journal*, 28(4):525–547, 1989. CODEN IBMSA7. ISSN 0018-8670. **Shu:1989:VPP**
- [Shu99] N. C. Shu. Visual programming: Perspectives and approaches. *IBM Systems Journal*, 38(2–3):199–224, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/382/shu.pdf>. Reprinted from [Shu89]. **Shu:1999:VPP**
- [Sim05] K. D. Simon. The value of open standards and open-source software in government environments. *IBM Systems Journal*, 44(2):227–238, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/442/simon.html>; <http://www.research.ibm.com/journal/sj/442/simon.pdf>; <http://www.research.ibm.com/journal/sj/442/simon.txt>. **Simon:2005:VOS**
- [Sin03] C. A. Singer. Context-specific intellectual capital—the next link in the knowledge chain. *IBM Systems Journal*, 42(3):446–461, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www>. **Singer:2003:CSI**

- research.ibm.com/journal/sj/423/singer.pdf.
- [Siw77] Joseph E. Siwiec. High performance DB/DC system. *IBM Systems Journal*, 16(2):169–195, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [SJL⁺04] Z. Su, J. Jiang, T. Liu, G. T. Xie, and Y. Pan. Market Intelligence Portal: An entity-based system for managing market intelligence. *IBM Systems Journal*, 43(3):534–545, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/433/su.html>; <http://www.research.ibm.com/journal/sj/433/su.pdf>; <http://www.research.ibm.com/journal/sj/433/su.txt>.
- [SKA86] Y. Singh, G. M. King, and J. W. Anderson. IBM 3090 performance: a balanced system approach. *IBM Systems Journal*, 25(1):20–35, 1986. CODEN IBMSA7. ISSN 0018-8670.
- [SKG⁺87] R. A. Sultan, P. Kermani, G. A. Grover, T. P. Barzilai, and A. E. Baratz. Implementing System/36 Advanced Peer-to-Peer Networking. *IBM Systems Journal*, 26(4):429–452, December 1987. CODEN IBMSA7. ISSN 0018-8670.
- [SKN06] W. S. Spangler, J. T. Kreulen, and J. F. Newswanger. Machines in the conversation: Detecting themes and trends in informal communication streams. *IBM Systems Journal*, 45(4):785–799, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/454/spangler.html>.
- [SL67] G. S. Shedler and M. M. Lehman. Evaluation of redundancy in a parallel algorithm. *IBM Systems Journal*, 6(3):142–149, 1967. CODEN IBMSA7. ISSN 0018-8670.
- [SL75] David Savir and George J. Laurer. The characteristics and decodability of the Universal Product Code symbol. *IBM Systems Journal*, 14(1):16–34, 1975. CODEN IBMSA7. ISSN 0018-8670.
- [SL95] D. J. Schoch and P. A. Laplante. A real-time systems context for the framework for information systems architecture. *IBM Systems Journal*, 34(1):20–38, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-1.html#three>.

- [SLD89] **Sulack:1989:NDR**
R. A. Sulack, R. J. Lindner, and D. N. Dietz. A new development rhythm for AS/400 software. *IBM Systems Journal*, 28(3):386–406, 1989. CODEN IBMSA7. ISSN 0018-8670.
- [SLW66] **Seaman:1966:TSDa**
P. H. Seaman, R. A. Lind, and T. L. Wilson. On teleprocessing system design, part IV: An analysis of auxiliary-storage activity. *IBM Systems Journal*, 5(3):158–170, 1966. CODEN IBMSA7. ISSN 0018-8670.
- [SM79] **Seawright:1979:VSM**
L. H. Seawright and R. A. MacKinnon. VM/370—a study of multiplicity and usefulness. *IBM Systems Journal*, 18(1):4–17, 1979. CODEN IBMSA7. ISSN 0018-8670. URL https://pages.cs.wisc.edu/~stjones/proj/vm_reading/ibmsj1801C.pdf.
- [SM92] **Szabat:1992:INM**
M. M. Szabat and G. E. Meyer. IBM network management strategy. *IBM Systems Journal*, 31(2):154–160, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5467.
- [SM01] **Straatsma:2001:LBM**
T. P. Straatsma and J. A. McCammon. Load balancing of molecular dynamics simulation with NWChem. *IBM Systems Journal*, 40(2):328–341, ??? 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/402/straatsma.html>; <http://www.research.ibm.com/journal/sj/402/straatsma.pdf>; <http://www.research.ibm.com/journal/sj/402/straatsma.txt>.
- [Sma96] **Small:1996:NLB**
D. Small. Navigating large bodies of text. *IBM Systems Journal*, 35(3&4):514–525, 1996. CODEN IBMSA7. ISSN 0018-8670.
- [SMC74] **Stevens:1974:SD**
W. P. Stevens, G. J. Myers, and L. L. Constantine. Structured design. *IBM Systems Journal*, 13(2):115–139, 1974. CODEN IBMSA7. ISSN 0018-8670.
- [SMC99] **Stevens:1999:SD**
W. P. Stevens, G. J. Myers, and L. L. Constantine. Structured design. *IBM Systems Journal*, 38(2–3):231–257, ??? 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/382/stevens.pdf>. Reprinted from [SMC74].
- [Sme78] **Smedley:1978:DSS**
Bevan S. Smedley. The development of software systems to aid in physical planning. *IBM Systems Journal*, 17(4):359–382, 1978. CODEN IBMSA7. ISSN 0018-8670.

- [Smi62] **Smith:1962:SSE**
E. C. Smith, Jr. Simulation in systems engineering. *IBM Systems Journal*, 1:33–50, September 1962. CODEN IBMSA7. ISSN 0018-8670.
- [Smi63] **Smith:1963:DCM**
E. C. Smith, Jr. A directly coupled multiprocessing system. *IBM Systems Journal*, 2: 218–229, September/December 1963. CODEN IBMSA7. ISSN 0018-8670.
- [Smi96] **Smith:1996:FME**
J. R. Smith. Field mice: Extracting hand geometry from electric field measurements. *IBM Systems Journal*, 35 (3&4):587–608, 1996. CODEN IBMSA7. ISSN 0018-8670.
- [Smi01] **Smith:2001:TBT**
R. A. Smith. Trends in e-business technologies. *IBM Systems Journal*, 40(1):4–7, ??? 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/401/smith.html>.
- [SMK+02] **Sairamesh:2002:PBB**
J. Sairamesh, R. Mohan, M. Kumar, L. Hasson, and C. Bender. A platform for business-to-business sell-side, private exchanges and marketplaces. *IBM Systems Journal*, 41(2):242–252, ??? 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/412/sairamesh.html>; <http://www.research.ibm.com/journal/sj/412/sairamesh.pdf>; <http://www.research.ibm.com/journal/sj/412/sairamesh.txt>.
- [SMM+00] **Schmandt:2000:EM**
C. Schmandt, N. Marmasse, S. Marti, N. Sawhney, and S. Wheeler. Everywhere messaging. *IBM Systems Journal*, 39(3/4):660–677, ??? 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part1/schmandt.html>; <http://www.research.ibm.com/journal/sj/393/part1/schmandt.pdf>; <http://www.research.ibm.com/journal/sj/393/part1/schmandt.txt>.
- [SNC91] **Stone:1991:VCS**
R. L. Stone, T. S. Nettle-ship, and J. Curtiss. VM/ESA CMS Shared File System. *IBM Systems Journal*, 30(1):52–71, 1991. CODEN IBMSA7. ISSN 0018-8670.
- [SNK+08] **Strosnider:2008:MDS**
Jay K. Strosnider, Prabir Nandi, Santhosh Kumaran, Shuvanker Ghosh, and Ali Arsnajani. Model-driven synthesis of SOA solutions. *IBM Systems Journal*, 47(3):415–432, ??? 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/473/strosnider.pdf>. See

- errata [Ano08a] with a corrected Table 4.
- [Som84] Peter J. Somerville. Use of images in commercial and office systems. *IBM Systems Journal*, 23(3):281–296, 1984. CODEN IBMSA7. ISSN 0018-8670. See erratum [Ano85b].
- [Somerville:1984:UIC]
- [Spe02] Alfred Spector. Message from the Vice President, Services and Software, Research Division. *IBM Systems Journal*, 41(3):??, ????, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/413/message.html>.
- [Sordi:1984:QMF]
- [Sor84] Joseph J. Sordi. The Query Management Facility. *IBM Systems Journal*, 23(2):126–150, 1984. CODEN IBMSA7. ISSN 0018-8670.
- [Suganuma:2000:OIJ]
- [SOT⁺00] T. Suganuma, T. Ogasawara, M. Takeuchi, T. Yasue, M. Kawahito, K. Ishizaki, H. Komatsu, and T. Nakatani. Overview of the IBM Java Just-in-Time Compiler. *IBM Systems Journal*, 39(1):175–193, ????, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/391/suganuma.html>.
- [Sowa:2002:AIS]
- [Sow02] J. F. Sowa. Architectures for intelligent systems. *IBM Systems Journal*, 41(3):331–349, ????, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/413/bigus.html>.
- [Simpson:1978:NJE]
- [SP78] Richard O. Simpson and Grady H. Phillips. Network job entry facility for JES2. *IBM Systems Journal*, 17(3):221–240, 1978. CODEN IBMSA7. ISSN 0018-8670.
- [Spector:2002:MVP]
- [Spielberg:1966:CEU]
- [Spi66] K. Spielberg. Computation of e^x with the use of large tables. *IBM Systems Journal*, 5(2):102–114, 1966. CODEN IBMSA7. ISSN 0018-8670.
- [Spohrer:1999:IP]
- [Spo99] J. C. Spohrer. Information in places. *IBM Systems Journal*, 38(4):602–605, ????, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/384/spohrer.html>.
- [Sahulka:1991:FCI]
- [SPS⁺91] R. J. Sahulka, E. C. Plachy, L. J. Scarborough, R. G. Scarborough, and S. W. White. FORTRAN for clusters of IBM ES/3090 multiprocessors. *IBM Systems Journal*, 30(3):296–311, 1991. CODEN IBMSA7. ISSN 0018-8670.

- [SR93] **Shedletsky:1993:ARD**
 J. J. Shedletsky and J. J. Rofrano. Application reference designs for distributed systems. *IBM Systems Journal*, 32(4):625–646, 1993. CODEN IBMSA7. ISSN 0018-8670. G321-5527.
- [SR96] **Schmandt:1996:UAS**
 C. Schmandt and D. Roy. Using acoustic structure in a hand-held audio playback device. *IBM Systems Journal*, 35(3&4):453–472, 1996. CODEN IBMSA7. ISSN 0018-8670.
- [SR06] **Sharp:2006:OGB**
 C. E. Sharp and M. Rowe. Online games and e-business: Architecture for integrating business models and services into online games. *IBM Systems Journal*, 45(1):161–179, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/451/sharp.html>.
- [SR08] **Seidman:2008:P**
 David Seidman and John J. Ritsko. Preface. *IBM Systems Journal*, 47(3):355–356, 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/473/preface.pdf>.
- [SRCV06] **Shabo:2006:RIX**
 A. Shabo, S. Rabinovici-Cohen, and P. Vortman. Revolutionary impact of XML on biomedical information interoperabil-
- ity. *IBM Systems Journal*, 45(2):361–372, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/452/shabo.html>.
- [SRM+98] **Schmidt:1998:PDR**
 W. J. Schmidt, R. R. Roediger, C. S. Mestad, B. Mendelson, I. Shavit-Lottem, and V. Bortnikov-Sitnitsky. Profile-directed restructuring of operating system code. *IBM Systems Journal*, 37(2):270–305, 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/372/schmidt.html>.
- [SRW04] **Saracco:2004:EDE**
 C. M. Saracco, M. A. Roth, and D. C. Wolfson. Enabling distributed enterprise integration with WebSphere and DB2 Information Integrator. *IBM Systems Journal*, 43(2):255–269, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/432/saracco.html>; <http://www.research.ibm.com/journal/sj/432/saracco.pdf>; <http://www.research.ibm.com/journal/sj/432/saracco.txt>.
- [SS69] **Seaman:1969:SOS**
 P. H. Seaman and R. C. Soucy. Simulating operating systems. *IBM Systems Journal*,

- 8(4):264–279, 1969. CODEN IBMSA7. ISSN 0018-8670.
- [SS78] Laurel Slate and Kurt Spielberg. The Extended Control Language of MPSX/370 and possible applications. *IBM Systems Journal*, 17(1):64–81, 1978. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-2.html#four>.
- [SS94] J. P. Singleton and M. M. Schwartz. Data access within the Information Warehouse framework. *IBM Systems Journal*, 33(2):300–325, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-2.html#six>. G321-5544.
- [SS01] S. W. Smith and D. Saford. Practical server privacy with secure coprocessors. *IBM Systems Journal*, 40(3):683–695, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/403/smith.html>; <http://www.research.ibm.com/journal/sj/403/smith.pdf>.
- [SSA+95] C. B. Stunkel, D. G. Shea, B. Abali, M. G. Atkins, C. A. Bender, D. G. Grice, P. Hochschild, D. J. Joseph, B. J. Nathanson, R. A. Swetz, R. F. Stucke, M. Tsao, and P. R. Varker. The SP2 high performance switch. *IBM Systems Journal*, 34(2):185–204, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-2.html#four>.
- [SSB+00] S. S. B. Shi, E. Stokes, D. Byrne, C. F. Corn, D. Bachmann, and T. Jones. An enterprise directory solution with DB2. *IBM Systems Journal*, 39(2):360–383, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/392/shi.html>.
- [SSH88] M. Sakaki, H. Samukawa, and N. Honjou. Effective utilization of IBM 3090 large virtual storage in the numerically intensive computations of *ab initio* molecular orbitals. *IBM Systems Journal*, 27(4):528–540, November 1988. CODEN IBMSA7. ISSN 0018-8670.
- [SSM+04] L. Stojanovic, J. Schneider, A. Maedche, S. Libischer, R. Studer, Th. Lumppe, A. Abecker, G. Breiter, and J. Dinger. The role of ontologies in autonomic computing systems. *IBM Systems Journal*, 43(3):598–616, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/433/stojanovic.html>.

- research.ibm.com/journal/sj/433/stojanovic.html; <http://www.research.ibm.com/journal/sj/433/stojanovic.pdf>; <http://www.research.ibm.com/journal/sj/433/stojanovic.txt>.
- [SSR87] Thomas E. Schütt, James B. Staton, III, and Wilhelm F. Racke. Message handling systems based on the CCITT X.400 recommendations. *IBM Systems Journal*, 26(3):235–254, 1987. CODEN IBMSA7. ISSN 0018-8670.
- [SSR+06] A. Shaikh, S. Sahu, M.-C. Rosu, M. Shea, and D. Saha. On demand platform for online games. *IBM Systems Journal*, 45(1):7–19, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/451/shaikh.html>.
- [SSS+87] Robert J. Sundstrom, James B. Staton, III, Gary D. Schultz, Matthew L. Hess, George A. Deaton, Jr., Leo J. Cole, and Robert M. Amy. SNA: Current requirements and direction. *IBM Systems Journal*, 26(1):13–36, January 1987. CODEN IBMSA7. ISSN 0018-8670.
- [SSS04] Alfred Spector, John Swainson, and Danny Sabbah. Introduction. *IBM Systems Journal*, 43(2):??, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/432/intro.html>; <http://www.research.ibm.com/journal/sj/432/intro.pdf>; <http://www.research.ibm.com/journal/sj/432/intro.txt>.
- [SSV64] K. F. Scharfenberg, P. H. Smith, Jr., and R. D. Villani. A concordance generator. *IBM Systems Journal*, 3(1):104–111, 1964. CODEN IBMSA7. ISSN 0018-8670.
- [SSY+87] K. K. Sy, M. O. Shiobara, M. Yamaguchi, Y. Kobayashi, S. Shukuya, and T. Tomatsu. OSI-SNA interconnections. *IBM Systems Journal*, 26(2):157–173, 1987. CODEN IBMSA7. ISSN 0018-8670.
- [ST89] D. L. Schleicher and R. L. Taylor. System overview of the Application System/400. *IBM Systems Journal*, 28(3):360–375, 1989. CODEN IBMSA7. ISSN 0018-8670.
- [ST99] D. L. Schleicher and R. L. Taylor. System overview of the Application System/400. *IBM Systems Journal*, 38(2–3):398–413, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/3823/schleicher.pdf>.

- research.ibm.com/journal/sj/382/schleicher.pdf. Reprinted from [ST89].
- [Sta69] **Stanley:1969:MSO** W. I. Stanley. Measurement of system operational statistics. *IBM Systems Journal*, 8(4):299–308, 1969. CODEN IBMSA7. ISSN 0018-8670.
- [Sta76] **Stay:1976:HIP** James F. Stay. HIPO and integrated program design. *IBM Systems Journal*, 15(2):143–154, 1976. CODEN IBMSA7. ISSN 0018-8670.
- [Sta96] **Starner:1996:HWC** T. Starner. Human-powered wearable computing. *IBM Systems Journal*, 35(3&4):618–629, 1996. CODEN IBMSA7. ISSN 0018-8670.
- [Ste63] **Sternad:1963:PC** Nicholas Sternad. Programming considerations for the 7750. *IBM Systems Journal*, 2:57–85, March 1963. CODEN IBMSA7. ISSN 0018-8670.
- [Ste64] **Stevens:1964:SSP** W. Y. Stevens. The structure of SYSTEM/360, part II: System implementations. *IBM Systems Journal*, 3(2):136–143, 1964. CODEN IBMSA7. ISSN 0018-8670.
- [Ste79] **Stewart:1979:PAC** H. M. Stewart. Performance analysis of complex communications systems. *IBM Systems Journal*, 18(3):356–373, 1979. CODEN IBMSA7. ISSN 0018-8670.
- [Ste82] **Stevens:1982:HDF** Wayne P. Stevens. How data flow can improve application development productivity. *IBM Systems Journal*, 21(2):162–178, 1982. CODEN IBMSA7. ISSN 0018-8670.
- [Ste92] **Stevenson:1992:MMN** J. G. Stevenson. Management of multivendor networks. *IBM Systems Journal*, 31(2):189–205, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5469.
- [Ste93] **Stecher:1993:BBA** P. Stecher. Building business and application systems with the Retail Application Architecture. *IBM Systems Journal*, 32(2):278–306, 1993. CODEN IBMSA7. ISSN 0018-8670. G321-5514.
- [STF+01] **Siepel:2001:IPH** A. C. Siepel, A. N. Tolopko, A. D. Farmer, P. A. Steadman, F. D. Schilkey, B. D. Perry, and W. D. Beavis. An integration platform for heterogeneous bioinformatics software components. *IBM Systems Journal*, 40(2):570–591, ??? 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/402/siepel.html>; <http://www.research.ibm.com/journal/sj/402/siepel.pdf>;

- [//www.research.ibm.com/journal/sj/402/siepel.txt](http://www.research.ibm.com/journal/sj/402/siepel.txt).
- [Sti94] George C. Stierhoff. Suggested reading. *IBM Systems Journal*, 33(4):700–701, 1994. CODEN IBMSA7. ISSN 0018-8670.
- [Str72] D. N. Streeter. Cost-benefit evaluation of scientific computing services. *IBM Systems Journal*, 11(3):219–233, 1972. CODEN IBMSA7. ISSN 0018-8670.
- [Str73] D. N. Streeter. Centralization or dispersion of computing facilities. *IBM Systems Journal*, 12(3):283–301, 1973. CODEN IBMSA7. ISSN 0018-8670.
- [Str75] Donald N. Streeter. Productivity of computer-dependent workers. *IBM Systems Journal*, 14(3):292–305, 1975. CODEN IBMSA7. ISSN 0018-8670.
- [Str97] J. P. Strickland. VSAM record-level data sharing. *IBM Systems Journal*, 36(2):361–371, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/362/strickland.html>.
- [STTA08] W. Earl Smith, Kishor S. Trivedi, Lorrie A. Tomek, and Jerry Ackaret. Availability analysis of blade server systems. *IBM Systems Journal*, 47(4):621–640, 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/474/smith.pdf>.
- [Sud67] R. Suda. An application-oriented multiprocessing system, part V: The diagnostic monitor. *IBM Systems Journal*, 6(2):116–123, 1967. CODEN IBMSA7. ISSN 0018-8670.
- [Sul83] Timothy P. Sullivan. Communications network management enhancements for SNA networks: an overview. *IBM Systems Journal*, 23(1-2):129–142, 1983. CODEN IBMSA7. ISSN 0018-8670.
- [Sum84] R. C. Summers. An overview of computer security. *IBM Systems Journal*, 23(4):309–325, 1984. CODEN IBMSA7. ISSN 0018-8670.
- [Sum89] R. C. Summers. Local-area distributed systems. *IBM Systems Journal*, 28(2):227–240, 1989. CODEN IBMSA7. ISSN 0018-8670.
- [SUW82] Jimmy P. Strickland, Peter P. Uhrowczik, and Vern L. Watts.

- IMS/VS: an evolving system. *IBM Systems Journal*, 21(4):490–510, 1982. CODEN IBMSA7. ISSN 0018-8670.
- [SVM⁺03] **Sarkar:2003:IPS**
P. Sarkar, K. Voruganti, K. Meth, O. Biran, and J. Satran. Internet Protocol storage area networks. *IBM Systems Journal*, 42(2):218–231, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/422/sarkar.pdf>.
- [Swa90] **Swartzlander:1990:CAa**
Earl E. Swartzlander, Jr. *Computer Arithmetic*, volume 1 of *IEEE Computer Society Press tutorial*. IEEE Computer Society Press, 1109 Spring Street, Suite 300, Silver Spring, MD 20910, USA, 1990. ISBN 0-8186-8931-5 (hardcover), 0-8186-5931-9 (microfiche). xiii + 378 pp. LCCN QA76.6 .C633 1990.
- [Swe65] **Sweeney:1965:AFP**
D. W. Sweeney. An analysis of floating-point addition. *IBM Systems Journal*, 4(1):31–42, 1965. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/041/ibmsjIVRID.pdf>. Reprinted in [Swa90, pp. 317–328].
- [Swo01] **Swope:2001:DCL**
W. C. Swope. Deep computing for the life sciences. *IBM Systems Journal*, 40(2):248–263, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/402/swope.html>; <http://www.research.ibm.com/journal/sj/402/swope.pdf>; <http://www.research.ibm.com/journal/sj/402/swope.txt>.
- [SWS06] **Sinha:2006:MFE**
A. Sinha, C. E. Williams, and P. Santhanam. A measurement framework for evaluating model-based test generation tools. *IBM Systems Journal*, 45(3):501–514, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/453/sinha.html>.
- [SY71] **Shedler:1971:SMP**
G. S. Shedler and S. C. Yang. Simulation of a model of paging system performance. *IBM Systems Journal*, 10(2):113–128, 1971. CODEN IBMSA7. ISSN 0018-8670.
- [Syk88] **Sykes:1988:RIC**
S. C. G. Sykes. The Realtime Interface Co-Processor Multiport/2 adapter. *IBM Systems Journal*, 27(2):198–205, June 1988. CODEN IBMSA7. ISSN 0018-8670.
- [Sym68] **Symonds:1968:IGD**
A. J. Symonds. Interactive graphics in data processing: Auxiliary-storage associative data structure for

- PL/I. *IBM Systems Journal*, 7 (3/4):229–245, 1968. CODEN IBMSA7. ISSN 0018-8670. [TAR85]
- [Sym86] A. J. Symonds. Introduction to IBM’s knowledge-systems products. *IBM Systems Journal*, 25(2):134–146, 1986. CODEN IBMSA7. ISSN 0018-8670. **Symonds:1986:IIK**
- [SZ88] K. So and V. Zecca. Program locality of vectorized applications running on the IBM 3090 with Vector Facility. *IBM Systems Journal*, 27(4):436–452, November 1988. CODEN IBMSA7. ISSN 0018-8670. **So:1988:PLV**
- [SZ92] J. F. Sowa and J. A. Zachman. Extending and formalizing the framework for information systems architecture. *IBM Systems Journal*, 31(3):590–616, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5488. **Sowa:1992:EFF**
- [Tag90] B. S. Tagg. Implementing tool support for box structures. *IBM Systems Journal*, 29(1):79–89, 1990. CODEN IBMSA7. ISSN 0018-8670. **Tagg:1990:ITS**
- [Tal63] R. B. Talmadge. Design of an integrated programming and operating system, part II: The assembly program and its language. *IBM Systems Journal*, 2:162–181, June 1963. CODEN IBMSA7. ISSN 0018-8670. **Talmadge:1963:DIP**
- [Tavera:1985:ASI] M. L. Tavera, M. Alfonseca, and J. Rojas. An APL system for the IBM Personal Computer. *IBM Systems Journal*, 24(1):61–70, 1985. CODEN IBMSA7. ISSN 0018-8670. **Tavera:1985:ASI**
- [Tetzlaff:1984:VAP] W. H. Tetzlaff and W. M. Bucu. VM/370, attached processor, and multiprocessor performance study. *IBM Systems Journal*, 23(4):375–385, 1984. CODEN IBMSA7. ISSN 0018-8670. **Tetzlaff:1984:VAP**
- [TB05] D. Turk and J. Bausch. Virtual Linux servers under z/VM: Security, performance, and administration issues. *IBM Systems Journal*, 44(2):341–351, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/442/turk.html>; <http://www.research.ibm.com/journal/sj/442/turk.pdf>; <http://www.research.ibm.com/journal/sj/442/turk.txt>. **Turk:2005:VLS**
- [Tetzlaff:1987:PPV] W. H. Tetzlaff, T. Beretvas, W. M. Bucu, J. Greenberg, D. R. Patterson, and G. A. Spivak. A page-swapping prototype for VM/HPO. *IBM Systems Journal*, 26(2):215–230, 1987. CODEN IBMSA7. ISSN 0018-8670. **Tetzlaff:1987:PPV**
- [TBB+87] W. H. Tetzlaff, T. Beretvas, W. M. Bucu, J. Greenberg, D. R. Patterson, and G. A. Spivak. A page-swapping prototype for VM/HPO. *IBM Systems Journal*, 26(2):215–230, 1987. CODEN IBMSA7. ISSN 0018-8670.

- [TC69] **Tang:1969:CEC**
D. T. Tang and R. T. Chien. Coding for error control. *IBM Systems Journal*, 8(1):48–86, 1969. CODEN IBMSA7. ISSN 0018-8670.
- [TC81] **Thomas:1981:HFC**
J. C. Thomas and J. M. Carroll. Human factors in communication. *IBM Systems Journal*, 20(2):237–263, 1981. CODEN IBMSA7. ISSN 0018-8670.
- [Tem92] **Temoshenko:1992:MSP**
L. Temoshenko. Managing session performance using the NetView Performance Monitor. *IBM Systems Journal*, 31(2):286–299, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5474.
- [Tet79] **Tetzlaff:1979:SSI**
W. H. Tetzlaff. State sampling of interactive VM/370 users. *IBM Systems Journal*, 18(1):164–180, 1979. CODEN IBMSA7. ISSN 0018-8670.
- [TG84] **Teng:1984:MID**
J. Z. Teng and R. A. Gumaer. Managing IBM Database 2 buffers to maximize performance. *IBM Systems Journal*, 23(2):211–218, 1984. CODEN IBMSA7. ISSN 0018-8670.
- [TG93] **Tirso:1993:TFM**
J. R. Tirso and H. Gregorius. Technical forum: Management of reuse at IBM. *IBM Systems Journal*, 32(4):612–615, 1993.
- [Tha81] **Thadhani:1981:IUP**
A. J. Thadhani. Interactive user productivity. *IBM Systems Journal*, 20(4):407–423, 1981. CODEN IBMSA7. ISSN 0018-8670.
- [Tha84] **Thadhani:1984:FAP**
Arvind J. Thadhani. Factors affecting programmer productivity during application development. *IBM Systems Journal*, 23(1):19–35, 1984. CODEN IBMSA7. ISSN 0018-8670.
- [Thi77] **Thiel:1977:P**
Connie A. Thiel. Preface. *IBM Systems Journal*, 16(4):322–323, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [Thi78a] **Thiel:1978:Pc**
Connie Thiel. Preface. *IBM Systems Journal*, 17(3):204–205, 1978. CODEN IBMSA7. ISSN 0018-8670.
- [Thi78b] **Thiel:1978:Pd**
Connie Thiel. Preface. *IBM Systems Journal*, 17(4):322–323, 1978. CODEN IBMSA7. ISSN 0018-8670.
- [Thi78c] **Thiel:1978:Pa**
Connie A. Thiel. Preface. *IBM Systems Journal*, 17(1):2–3, 1978. CODEN IBMSA7. ISSN 0018-8670.
- [Thi78d] **Thiel:1978:Pb**
Connie A. Thiel. Preface. *IBM Systems Journal*, 17(2):104–

- 105, 1978. CODEN IBMSA7. ISSN 0018-8670. **Thiel:1980:Pd**
- [Thi79a] Connie Thiel. Preface. *IBM Systems Journal*, 18(1):2–3, 1979. CODEN IBMSA7. ISSN 0018-8670. **Thiel:1979:Pa** [Thi80d]
- [Thi79b] Connie Thiel. Preface. *IBM Systems Journal*, 18(2):186–187, 1979. CODEN IBMSA7. ISSN 0018-8670. **Thiel:1979:Pb** [Thi81a]
- [Thi79c] Connie Thiel. Preface. *IBM Systems Journal*, 18(3):354–355, 1979. CODEN IBMSA7. ISSN 0018-8670. **Thiel:1979:Pc** [Thi81b]
- [Thi79d] Connie Thiel. Preface. *IBM Systems Journal*, 18(4):482–483, 1979. CODEN IBMSA7. ISSN 0018-8670. **Thiel:1979:Pd** [Thi81c]
- [Thi80a] Connie Thiel. Preface. *IBM Systems Journal*, 19(1):2–3, 1980. CODEN IBMSA7. ISSN 0018-8670. **Thiel:1980:Pa** [THL⁺03]
- [Thi80b] Connie Thiel. Preface. *IBM Systems Journal*, 19(2):170, 1980. CODEN IBMSA7. ISSN 0018-8670. **Thiel:1980:Pb**
- [Thi80c] Connie Thiel. Preface. *IBM Systems Journal*, 19(3):290–291, 1980. CODEN IBMSA7. ISSN 0018-8670. **Thiel:1980:Pc**
- Connie A. Thiel. Preface. *IBM Systems Journal*, 19(4):412–413, 1980. CODEN IBMSA7. ISSN 0018-8670. **Thiel:1981:Pa**
- Connie A. Thiel. Preface. *IBM Systems Journal*, 20(1):2–3, 1981. CODEN IBMSA7. ISSN 0018-8670. **Thiel:1981:Pb**
- Connie A. Thiel. Preface. *IBM Systems Journal*, 20(2):122, 1981. CODEN IBMSA7. ISSN 0018-8670. **Thiel:1981:Pc**
- Connie A. Thiel. Preface. *IBM Systems Journal*, 20(3):270–271, 1981. CODEN IBMSA7. ISSN 0018-8670. **Telford:2003:UDC**
- R. Telford, R. Horman, S. Lightstone, N. Markov, S. O’Connell, and G. Lohman. Usability and design considerations for an autonomic relational database management system. *IBM Systems Journal*, 42(4):568–581, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/424/telford.pdf>. **Thompson:1988:VDC**
- S. Thompson. VGA—design choices for a new video subsystem. *IBM Systems Journal*, 27(2):185–197, June 1988. [Tho88]

- CODEN IBMSA7. ISSN 0018-8670.
- [Tho91] N. D. Thomson. APL2 as a specification language for statistics. *IBM Systems Journal*, 30(4):539–542, 1991. CODEN IBMSA7. ISSN 0018-8670.
- [TKE01] **Thomson:1991:ASL** J. C. Thomas, W. A. Kellogg, and T. Erickson. The knowledge management puzzle: Human and social factors in knowledge management. *IBM Systems Journal*, 40(4):863–884, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/404/thomas.html>; <http://www.research.ibm.com/journal/sj/404/thomas.pdf>.
- [THR⁺05] **Turunen:2005:AAS** M. Turunen, J. Hakulinen, K.-J. Rähkä, E.-P. Salonen, A. Kainulainen, and P. Prusi. An architecture and applications for speech-based accessibility systems. *IBM Systems Journal*, 44(3):485–504, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/443/turunen.html>.
- [TLRH98] **Tan:1998:IEH** Y. S. Tan, D. B. Lindquist, T. O. Rowe, and J. R. Hind. IBM eNetwork Host On-Demand: The beginning of a new era for accessing host information in a Web environment. *IBM Systems Journal*, 37(1):133–151, 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/371/tan.html>.
- [TJ00] **Tost:2000:UJC** A. Tost and V. M. Johnson. Using JavaBeans components as accessors to Enterprise JavaBeans components. *IBM Systems Journal*, 39(2):293–300, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/392/tost.html>.
- [TK89] **TenDyke:1989:OP** R. P. Ten Dyke and J. C. Kunz. Object-oriented programming. *IBM Systems Journal*, 28(3):465–478, 1989. CODEN IBMSA7. ISSN 0018-8670.
- [TMF06] **Treinen:2006:FSC** J. J. Treinen and S. L. Miller-Frost. Following the sun: Case studies in global software development. *IBM Systems Journal*, 45(4):773–783, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/454/treinen.html>.

- [Tod76] **Todd:1976:PRT**
 Stephen J. P. Todd. The Peterlee Relational Test Vehicle—a system overview. *IBM Systems Journal*, 15(4):285–308, 1976. CODEN IBMSA7. ISSN 0018-8670.
- [TOV⁺95] **Tedijanto:1995:NPS**
 T. E. Tedijanto, R. O. Onvural, D. C. Verma, L. Gun, and R. A. Guerin. NBBS path selection framework. *IBM Systems Journal*, 34(4):629–639, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-4.html#six>.
- [TPS⁺88] **Toomey:1988:IPF**
 L. J. Toomey, E. C. Plachy, R. G. Scarborough, R. J. Sahulka, J. F. Shaw, and A. W. Shannon. IBM Parallel FORTRAN. *IBM Systems Journal*, 27(4):416–435, November 1988. CODEN IBMSA7. ISSN 0018-8670.
- [Tri91] **Trimble:1991:SMI**
 R. Trimble. Storage management in IBM APL systems. *IBM Systems Journal*, 30(4):456–468, 1991. CODEN IBMSA7. ISSN 0018-8670.
- [TRL⁺08] **Tian:2008:BFB**
 C. H. Tian, B. K. Ray, J. Lee, R. Cao, and W. Ding. BEAM: a framework for business ecosystem analysis and modeling. *IBM Systems Journal*, 47(1):101–??, January/March 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj471/tian.html>.
- [Tuc67] **Tucker:1967:MCS**
 S. G. Tucker. Microprogram control for SYSTEM/360. *IBM Systems Journal*, 6(4):222–241, 1967. CODEN IBMSA7. ISSN 0018-8670.
- [Tuc86] **Tucker:1986:ISO**
 S. G. Tucker. The IBM 3090 System: an overview. *IBM Systems Journal*, 25(1):4–19, 1986. CODEN IBMSA7. ISSN 0018-8670.
- [Tur63] **Turnburke:1963:SDP**
 V. P. Turnburke, Jr. Sequential data processing design. *IBM Systems Journal*, 2:37–48, March 1963. CODEN IBMSA7. ISSN 0018-8670.
- [TVPL94] **Tai:1994:EPB**
 K.-C. Tai, M. A. Vouk, A. M. Paradkar, and P. Lu. Evaluation of a predicate-based software testing strategy. *IBM Systems Journal*, 33(3):445–457, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-3.html#five>. G321-5550.
- [TVX⁺04] **Tan:2004:SD**
 Y.-S. Tan, V. Vellanki, J. Xing, B. Topol, and G. Dudley. Service domains. *IBM Systems Journal*, 43(4):734–755, ??? 2004. CODEN IBMSA7. ISSN 0018-8670.

- 0018-8670. URL <http://www.research.ibm.com/journal/sj/434/tan.html>; <http://www.research.ibm.com/journal/sj/434/tan.pdf>; <http://www.research.ibm.com/journal/sj/434/tan.txt>.
- Uhlir:1988:EUI**
- [Uhl88] S. Uhlir. Enabling the user interface. *IBM Systems Journal*, 27(3):306–314, 1988. CODEN IBMSA7. ISSN 0018-8670.
- Uhrowczik:1973:DD**
- [Uhr73] P. P. Uhrowczik. Data Dictionary/Directories. *IBM Systems Journal*, 12(4):332–350, 1973. CODEN IBMSA7. ISSN 0018-8670.
- Ullmer:2000:EFT**
- [UI00] B. Ullmer and H. Ishii. Emerging frameworks for tangible user interfaces. *IBM Systems Journal*, 39(3/4):915–931, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/393/part3/ullmer.html>; <http://www.research.ibm.com/journal/sj/393/part3/ullmer.pdf>; <http://www.research.ibm.com/journal/sj/393/part3/ullmer.txt>.
- Uramoto:2004:TMS**
- [UMN⁺04] N. Uramoto, H. Matsuzawa, T. Nagano, A. Murakami, H. Takeuchi, and K. Takeda. A text-mining system for knowledge discovery from biomedical documents. *IBM Systems Journal*, 43(3):516–533, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/433/uramoto.html>; <http://www.research.ibm.com/journal/sj/433/uramoto.pdf>; <http://www.research.ibm.com/journal/sj/433/uramoto.txt>.
- Unland:2008:MVP**
- [Unl08] Holly D. Unland. Message from the Vice President, Solutions & Global Technical Sales, IBM Global Sales & Distribution. *IBM Systems Journal*, 47(4):??, 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/474/message.pdf>.
- Vilalta:2002:PAM**
- [VAH⁺02] R. Vilalta, C. V. Apte, J. L. Hellerstein, S. Ma, and S. M. Weiss. Predictive algorithms in the management of computer systems. *IBM Systems Journal*, 41(3):461–474, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/413/vilalta.html>.
- VanLeer:1976:TDU**
- [Van76] P. Van Leer. Top-down development using a program design language. *IBM Systems Journal*, 15(2):155–170, 1976. CODEN IBMSA7. ISSN 0018-8670.

- [van98] **vanderSalm:1998:ISF**
 R. L. van der Salm. Introducing shareable frameworks into a procedural development environment. *IBM Systems Journal*, 37(2):200–214, ????. 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/372/vandersalm.html>.
- [van00] **vanEmdeBoas-Lubsen:2000:BCP**
 H. van Emde Boas-Lubsen. Business Component Prototyper for SanFrancisco: An experiment in architecture for application development tools. *IBM Systems Journal*, 39(2):248–266, ????. 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/392/vanemdeboas.html>.
- [VCS⁺08] **Varadan:2008:IBF**
 Radhu Varadan, Kishore Channabasavaiah, Siljan Simpson, Kerrie Holley, and Abdul Allam. Increasing business flexibility and SOA adoption through effective SOA governance. *IBM Systems Journal*, 47(3):473–488, ????. 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/473/varadan.pdf>.
- [vdS00] **Salm:2000:TNI**
 R. van der Salm. Technical note — IBS Consist two years later: The LEGO brick dream. *IBM Systems Journal*, 39(2):301–314, ????. 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/392/vandersalm.html>.
- [Vel64] **Velasco:1964:GPD**
 C. R. Velasco. A general purpose digital simulator and examples of its application, part II: Simulation of a telephone intercept system. *IBM Systems Journal*, 3(1):35–40, 1964. CODEN IBMSA7. ISSN 0018-8670.
- [Ver96] **Verplaetse:1996:IPD**
 C. Verplaetse. Inertial proprioceptive devices: Self-motion-sending toys and tools. *IBM Systems Journal*, 35(3&4):639–650, 1996. CODEN IBMSA7. ISSN 0018-8670.
- [Vet95] **Vetter:1995:BCN**
 R. J. Vetter. Books: “Routing in Communications Networks”, Martha Streenstrup, Editor. *IBM Systems Journal*, 34(4):751–752, 1995. CODEN IBMSA7. ISSN 0018-8670.
- [vGLS98] **vonKanel:1998:IMF**
 J. von Känel, J. S. Givler, B. Leiba, and W. Segmuller. Internet messaging frameworks. *IBM Systems Journal*, 37(1):4–18, 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/371/vonkanel.html>.

Vayghan:2007:IIT

- [VGW⁺07] J. A. Vayghan, S. M. Garfinkle, C. Walenta, D. C. Healy, and Z. Valentin. The internal information transformation of IBM. *IBM Systems Journal*, 46(4):??, October/December 2007. CODEN IBMSA7. ISSN 0018-8670.

Viswanathan:2000:JVM

- [VL00] D. Viswanathan and S. Liang. Java Virtual Machine Profiler Interface. *IBM Systems Journal*, 39(1):82–95, 2000. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/391/viswanathan.html>.

Vetere:2005:MSI

- [VL05] G. Vetere and M. Lenzerini. Models for semantic interoperability in service-oriented architectures. *IBM Systems Journal*, 44(4):887–903, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/444/vetere.html>.

VanBuskirk:2003:EP

- [VM03] R. Van Buskirk and B. W. Moroney. Extending prototyping. *IBM Systems Journal*, 42(4):613–623, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/424/vanbuskirk.pdf>.

Venton:2005:ULH

- [VMKB05] T. Venton, M. Miller, R. Kalla, and A. Blanchard. Using Linux for hardware bring up, development, and manufacturing. *IBM Systems Journal*, 44(2):319–329, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/442/venton.html>; <http://www.research.ibm.com/journal/sj/442/venton.pdf>; <http://www.research.ibm.com/journal/sj/442/venton.txt>.

Voss:1992:ADA

- [Vos92] F. W. Voss. APPC/MVS distributed application support. *IBM Systems Journal*, 31(2):381–408, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5479.

Verma:2008:PCC

- [VPH⁺08] R. Verma, G. R. Plaschka, B. Hanlon, A. Livingston, and K. Kalcher. Predicting customer choice in services using discrete choice analysis. *IBM Systems Journal*, 47(1):179–??, January/March 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/471/verma.html>.

Voelker:1986:GKE

- [VR86] J. A. Voelker and G. B. Ratica. The genesis of a knowledge-based expert system. *IBM Systems Journal*, 25(2):181–189,

1986. CODEN IBMSA7. ISSN 0018-8670.
- [Vre03] Karel Vredenburg. Building ease of use into the IBM user experience. *IBM Systems Journal*, 42(4):517–531, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/424/preface.pdf>.
- [VRS03] Karel Vredenburg, John J. Ritsko, and David I. Seidman. Preface. *IBM Systems Journal*, 42(4):515–516, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/424/preface.pdf>.
- [VSC+03] D. C. Verma, S. Sahu, S. Calo, A. Shaikh, I. Chang, and A. Acharya. SRIRAM: a scalable resilient autonomic mesh. *IBM Systems Journal*, 42(1):19–28, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/421/verma.pdf>.
- [VW06] F. B. Viégas and M. Wattenberg. Technical forum: Communication-minded visualization: A call to action. *IBM Systems Journal*, 45(4):801–812, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/454/viegas.html>.
- [WA02a] S. M. Weiss and C. V. Apte. Automated generation of model cases for help-desk applications. *IBM Systems Journal*, 41(3):421–427, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/413/weiss.html>.
- [WA02b] E. J. Weyuker and A. Avritzer. A metric for predicting the performance of an application under a growing workload. *IBM Systems Journal*, 41(1):45–54, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/411/weyuker.html>; <http://www.research.ibm.com/journal/sj/411/weyuker.pdf>.
- [WAB+07] C. Ward, V. Aggarwal, M. Bucu, E. Olsson, and S. Weinberger. Integrated change and configuration management. *IBM Systems Journal*, 46(3):459–??, July/September 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/463/ward.html>.

- [Wag73] **Wagner:1973:IDC**
R. E. Wagner. Indexing design considerations. *IBM Systems Journal*, 12(4):351–367, 1973. CODEN IBMSA7. ISSN 0018-8670. See errata [Ano74k].
- [Wah72] **Wahi:1972:GMB**
P. N. Wahi. A general management business simulation in APL. *IBM Systems Journal*, 11(2):169–180, 1972. CODEN IBMSA7. ISSN 0018-8670. See addendum [Ano73e].
- [Wal07] **Walker:2007:IBT**
L. Walker. IBM business transformation enabled by service-oriented architecture. *IBM Systems Journal*, 46(4):??, October/December 2007. CODEN IBMSA7. ISSN 0018-8670.
- [Was93] **Wasmund:1993:ICS**
M. Wasmund. Implementing Critical Success Factors in software reuse. *IBM Systems Journal*, 32(4):595–611, 1993. CODEN IBMSA7. ISSN 0018-8670. G321-5526.
- [Wat79] **Waters:1979:DID**
F. C. H. Waters. Design of the IBM 8100 Data Base and Transaction Management System—DTMS. *IBM Systems Journal*, 18(4):565–581, 1979. CODEN IBMSA7. ISSN 0018-8670.
- [Wat88] **Watson:1988:OQM**
S. L. Watson. OS/2 query manager overview and prompted interface. *IBM Systems Journal*, 27(2):119–133, June 1988. CODEN IBMSA7. ISSN 0018-8670.
- [Wat94a] **Watkins:1994:TNR**
A. J. Watkins. Technical note: On reliability modeling and software quality. *IBM Systems Journal*, 33(1):220–222, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-1.html#twelve>. G321-5539.
- [Wat94b] **Watson:1994:BVC**
D. Watson. Books: *Visual Cues: Practical Data Visualization* by Peter R. Keller and Mary M. Keller. *IBM Systems Journal*, 33(3):530–531, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-3.html>.
- [WAV+04] **Wolf:2004:STS**
C. G. Wolf, S. R. Alpert, J. G. Vergo, L. Kozakov, and Y. Doganata. Summarizing technical support documents for search: Expert and user studies. *IBM Systems Journal*, 43(3):564–586, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/433/wolf.html>; <http://www.research.ibm.com/journal/sj/433/wolf.pdf>; <http://www.research.ibm.com/journal/sj/433/wolf.txt>.

- White:1969:NAE**
- [WB69] W. W. White and A. M. Bomberault. A network algorithm for empty freight car allocation. *IBM Systems Journal*, 8(2):147–169, 1969. CODEN IBMSA7. ISSN 0018-8670.
- WladawskyBerger:1995:PPP**
- [WB95] I. Wladawsky-Berger. The power and promise of parallel computing. *IBM Systems Journal*, 34(2):146–151, 1995. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj34-2.html#two>.
- Wladawsky-Berger:1999:TPI**
- [WB99] I. Wladawsky-Berger. Turning points in information technology. *IBM Systems Journal*, 38(2–3):449–453, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/382/wladawsky.pdf>.
- Willenborg:2004:DWA**
- [WBC04] R. Willenborg, K. Brown, and G. Cuomo. Designing WebSphere Application Server for performance: An evolutionary approach. *IBM Systems Journal*, 43(2):327–340, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/432/willenborg.html>; <http://www.research.ibm.com/journal/sj/432/willenborg.pdf>; <http://www.research.ibm.com/journal/sj/432/willenborg.txt>.
- Waters:1987:AUE**
- [WBSK87] F. C. H. Waters, R. G. Bias, and P. L. Smith-Kerker. AIX usability enhancements and human factors. *IBM Systems Journal*, 26(4):383–394, December 1987. CODEN IBMSA7. ISSN 0018-8670.
- Weller:1980:SAG**
- [WCG+80] D. L. Weller, E. D. Carlson, G. M. Giddings, F. P. Palermo, R. Williams, and S. N. Zilles. Software architecture for graphical interaction. *IBM Systems Journal*, 19(3):314–330, 1980. CODEN IBMSA7. ISSN 0018-8670.
- Wade:1969:TAU**
- [WCV69] R. D. Wade, G. P. Cawsey, and R. A. K. Veber. A teleprocessing approach using standard equipment. *IBM Systems Journal*, 8(1):28–47, 1969. CODEN IBMSA7. ISSN 0018-8670.
- Weingarten:1979:IAC**
- [Wei79] R. A. Weingarten. An integrated approach to centralized communications network management. *IBM Systems Journal*, 18(4):484–506, 1979. CODEN IBMSA7. ISSN 0018-8670.
- Weisser:2005:MVP**
- [Wei05] Jason Weisser. Message from the Vice President, IBM Asset and Integration Technology, Software Group. *IBM Systems Journal*, 44(4):??, ????

2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/444/message.html>.
- [Wel65] P. D. Welch. On the reliability of polymorphic systems. *IBM Systems Journal*, 4(1):43–52, 1965. CODEN IBMSA7. ISSN 0018-8670.
- [WF77a] C. E. Walston and C. P. Felix. Forum: Authors' reply. *IBM Systems Journal*, 16(4):422–423, 1977. CODEN IBMSA7. ISSN 0018-8670. See [WF77b, Hal77].
- [WF77b] Claude E. Walston and Charles P. Felix. A method of programming measurement and estimation. *IBM Systems Journal*, 16(1):54–73, 1977. CODEN IBMSA7. ISSN 0018-8670. See letters [Hal77, WF77a].
- [WFS80] Christopher Wood, Eduardo B. Fernandez, and Rita C. Summers. Data base security: Requirements, policies, and models. *IBM Systems Journal*, 19(2):229–252, 1980. CODEN IBMSA7. ISSN 0018-8670.
- [WG88] E. F. Wheeler and A. G. Ganek. Introduction to Systems Application Architecture. *IBM Systems Journal*, 27(3):250–263, 1988. CODEN IBMSA7. ISSN 0018-8670.
- [WGB99] M. Weiser, R. Gold, and J. S. Brown. The origins of ubiquitous computing research at PARC in the late 1980s. *IBM Systems Journal*, 38(4):677, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/384/weiser.html>.
- [Whe74] Thomas F. Wheeler, Jr. OS/VS1 concepts and philosophies. *IBM Systems Journal*, 13(3):213–229, 1974. CODEN IBMSA7. ISSN 0018-8670.
- [Whe91] M. T. Wheatley. Extending the domain of APL. *IBM Systems Journal*, 30(4):446–455, 1991. CODEN IBMSA7. ISSN 0018-8670.
- [Whi01] J. J. Whitmore. A method for designing secure solutions. *IBM Systems Journal*, 40(3):747–768, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/403/whitmore.html>; <http://www.research.ibm.com/journal/sj/403/whitmore.pdf>.
- [WI83] R. A. Weingarten and E. E. Iacobucci. Logical problem

- determination for SNA networks. *IBM Systems Journal*, 23(4):387–403, 1983. CODEN IBMSA7. ISSN 0018-8670.
- [Wil86] **Wilson:1986:PAP**
W. G. Wilson. Prolog for applications programming. *IBM Systems Journal*, 25(2):190–206, 1986. CODEN IBMSA7. ISSN 0018-8670.
- [Wil91] **Willhoft:1991:PEA**
R. G. Willhoft. Parallel expression in the APL2 language. *IBM Systems Journal*, 30(4):498–512, 1991. CODEN IBMSA7. ISSN 0018-8670.
- [Wim71] **Wimbrow:1971:LIA**
J. H. Wimbrow. A large-scale interactive administrative system. *IBM Systems Journal*, 10(4):260–282, 1971. CODEN IBMSA7. ISSN 0018-8670.
- [Wit63] **Witt:1963:DSA**
B. I. Witt. Dynamic storage allocation for a real-time system. *IBM Systems Journal*, 2: 230–239, September/December 1963. CODEN IBMSA7. ISSN 0018-8670.
- [Wit66] **Witt:1966:FSS**
B. I. Witt. The functional structure of OS/360, part II: Job and task management. *IBM Systems Journal*, 5(1):12–29, 1966. CODEN IBMSA7. ISSN 0018-8670.
- [WKI03] **Whisnant:2003:SMD**
K. Whisnant, Z. T. Kalbarczyk, and R. K. Iyer. A system model for dynamically reconfigurable software. *IBM Systems Journal*, 42(1):45–59, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/421/whisnant.pdf>.
- [WLB⁺07] **Weinstein:2007:IBT**
R. S. Weinstein, A. M. López, G. P. Barker, E. A. Krupinski, M. R. Descour, K. M. Scott, L. C. Richter, S. J. Beinar, M. J. Holcomb, P. H. Bartels, R. A. McNeely, and A. K. Bhattacharyya. The innovative bundling of teleradiology, telepathology, and teleoncology services. *IBM Systems Journal*, 46(1):69–84, 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/461/weinstein.html>.
- [WLE⁺97] **Wong:1997:ETD**
J. W. Wong, K. A. Lyons, D. Evans, R. J. Velthuys, G. v. Bochmann, E. Dubois, N. D. Georganas, G. Neufeld, M. T. Özsu, J. Brinskelle, A. Hafid, N. Hutchinson, P. Iglinski, B. Kerhervé, L. Lamont, D. Makaroff, and D. Szafron. Enabling technology for distributed multimedia applications. *IBM Systems Journal*, 36(4):489–507, 1997. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/364/wong.html>.

- [WM93] **Walrad:1993:MKA**
C. Walrad and E. Moss. Measurement: the key to application development quality. *IBM Systems Journal*, 32(3):445–460, 1993. CODEN IBMSA7. ISSN 0018-8670. G321-5520.
- [WMLF98] **Wyckoff:1998:S**
P. Wyckoff, S. W. McLaughry, T. J. Lehman, and D. A. Ford. T spaces. *IBM Systems Journal*, 37(3):454–481, 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/373/wyckoff.html>.
- [WMSW01] **Wang:2001:NTE**
J. T. L. Wang, Q. Ma, D. Shasha, and C. H. Wu. New techniques for extracting features from protein sequences. *IBM Systems Journal*, 40(2):426–441, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/402/wang.html>; <http://www.research.ibm.com/journal/sj/402/wang.pdf>; <http://www.research.ibm.com/journal/sj/402/wang.txt>.
- [WND07] **Wang:2007:ICD**
X. S. Wang, L. Nayda, and R. Dettinger. Infrastructure for a clinical-decision-intelligence system. *IBM Systems Journal*, 46(1):151–169, 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/461/wang.html>.
- [Wol88] **Wolford:1988:AES**
D. E. Wolford. Application enabling in SAA. *IBM Systems Journal*, 27(3):301–305, 1988. CODEN IBMSA7. ISSN 0018-8670.
- [Woo69] **Woodrum:1969:ISM**
L. J. Woodrum. Internal sorting with minimal comparing. *IBM Systems Journal*, 8(3):189–203, 1969. CODEN IBMSA7. ISSN 0018-8670. See errata [Ano70k].
- [Woo70] **Woodrum:1970:MFB**
L. J. Woodrum. A model of floating buffering. *IBM Systems Journal*, 9(2):118–144, 1970. CODEN IBMSA7. ISSN 0018-8670.
- [Woo02] **Woodworth:2002:MCD**
Bill Woodworth. Message from the Corporate Director, IBM Software Test. *IBM Systems Journal*, 41(1):??, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/411/execletter.html>; <http://www.research.ibm.com/journal/sj/411/execletter.pdf>.
- [Wot93] **Wothke:1993:MBA**
K. Wothke. Morphologically based automatic phonetic transcription. *IBM Systems Journal*, 32(3):486–511, 1993. CO-

DEN IBMSA7. ISSN 0018-8670. G321-5522.

Waszkowycz:2001:LSV

- [WPSL01] B. Waszkowycz, T. D. J. Perkins, R. A. Sykes, and J. Li. Large-scale virtual screening for discovering leads in the postgenomic era. *IBM Systems Journal*, 40(2):360–376, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/402/waszkowycz.html>; <http://www.research.ibm.com/journal/sj/402/waszkowycz.pdf>; <http://www.research.ibm.com/journal/sj/402/waszkowycz.txt>. [WSG⁺01]

Want:2003:CAP

- [WPT03] R. Want, T. Pering, and D. Tennenhouse. Comparing autonomic and proactive computing. *IBM Systems Journal*, 42(1):129–135, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/421/want.pdf>.

Wilson:1992:IIO

- [WR92] D. G. Wilson and B. D. Rudin. Introduction to the IBM Optimization Subroutine Library. *IBM Systems Journal*, 31(1):4–10, 1992. CODEN IBMSA7. ISSN 0018-8670.

Will:2004:WPU

- [WRS04] R. Will, S. Ramaswamy, and T. Schaeck. WebSphere Portal: Unified user access to content, applications, and services.

IBM Systems Journal, 43(2):420–429, 2004. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/432/will.html>; <http://www.research.ibm.com/journal/sj/432/will.pdf>; <http://www.research.ibm.com/journal/sj/432/will.txt>.

Winslow:2001:MMV

R. L. Winslow, D. F. Scollan, J. L. Greenstein, C. K. Yung, W. Baumgartner, Jr., G. Bhanot, D. L. Gresh, and B. E. Rogowitz. Mapping, modeling, and visual exploration of structure-function relationships in the heart. *IBM Systems Journal*, 40(2):342–359, 2001. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/402/winslow.html>; <http://www.research.ibm.com/journal/sj/402/winslow.pdf>; <http://www.research.ibm.com/journal/sj/402/winslow.txt>.

Willuhn:2003:DAS

- [WSKW⁺03] D. Willuhn, C. Schulz, L. Knoth-Weber, S. Feger, and Y. Sallet. Developing accessible software for data visualization. *IBM Systems Journal*, 42(4):652–668, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/424/willuhn.pdf>.

- Williams:2002:STT**
- [WSP⁺02] C. Williams, H. Sluiman, D. Pitcher, M. Slavescu, J. Spratley, M. Brodhun, J. McLean, C. Rankin, and K. Rosengren. The STCL test tools architecture. *IBM Systems Journal*, 41(1):74–88, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/411/williams.html>; <http://www.research.ibm.com/journal/sj/411/williams.pdf>. [Yar65] [YC06]
- White:1964:DIP**
- [WT64] B. White and J. Trimble. Design of an integrated programming and operating system, part VI: Implementation on the 7040/44 data processing system. *IBM Systems Journal*, 3(1):79–94, 1964. CODEN IBMSA7. ISSN 0018-8670. [Yel85]
- Wu:1998:SWU**
- [WYB98] K.-L. Wu, P. S. Yu, and A. Ballman. SpeedTracer: a Web usage mining and analysis tool. *IBM Systems Journal*, 37(1):89–105, 1998. CODEN IBMJAE. ISSN 0018-8646 (print), 2151-8556 (electronic). URL <http://www.research.ibm.com/journal/sj/371/wu.html>. [Yel03]
- Yagil:1963:GID**
- [Yag63] S. Yagil. Generation of input data for simulations. *IBM Systems Journal*, 2:288–296, September/December 1963. [Yeo05]
- Yardeni:1965:ATC**
- L. A. Yardeni. Algorithms for traffic-signal control. *IBM Systems Journal*, 4(2):148–161, 1965. CODEN IBMSA7. ISSN 0018-8670.
- Ye:2006:SPM**
- M. Ye and L. Cheng. System-performance modeling for massively multiplayer online role-playing games. *IBM Systems Journal*, 45(1):45–58, 2006. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/451/ye.html>.
- Yelavich:1985:CIC**
- B. M. Yelavich. Customer information control system — an evolving system facility. *IBM Systems Journal*, 24(3-4):264–278, 1985. CODEN IBMSA7. ISSN 0018-8670.
- Yellin:2003:CAD**
- D. M. Yellin. Competitive algorithms for the dynamic selection of component implementations. *IBM Systems Journal*, 42(1):85–97, 2003. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/421/yellin.pdf>.
- Yeoh:2005:BAL**
- C. Yeoh. Building applications for the Linux Standard Base. *IBM Systems Journal*,

- 44(2):369–380, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/442/yeoh.html>; <http://www.research.ibm.com/journal/sj/442/yeoh.pdf>; <http://www.research.ibm.com/journal/sj/442/yeoh.txt>. [YRPSK99]
- Yakhnis:1994:DPU**
- [YFS94] V. R. Yakhnis, J. A. Farrell, and S. S. Shultz. Deriving programs using generic algorithms. *IBM Systems Journal*, 33(1):158–181, 1994. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj33-1.html#nine>. G321-5537. [YS91]
- Yglesias:1993:TFI**
- [Ygl93] K. P. Yglesias. Technical forum: Information reuse parallels software reuse. *IBM Systems Journal*, 32(4):615–620, 1993. CODEN IBMSA7. ISSN 0018-8670. [Yuv80]
- Yan:2005:UOS**
- [YLG05] N. Yan, D. Leip, and K. Gupta. The use of open-source software in the IBM corporate portal. *IBM Systems Journal*, 44(2):419–425, 2005. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/442/yan.html>; <http://www.research.ibm.com/journal/sj/442/yan.pdf>; <http://www.research.ibm.com/journal/sj/442/yan.txt>. [Zac82]
- Youngs:1999:SAD**
- R. Youngs, D. Redmond-Pyle, P. Spaas, and E. Kahan. A standard for architecture description. *IBM Systems Journal*, 38(1):32–50, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/381/youngs.html>.
- Yeh:1991:EIC**
- P. C. Yeh and R. M. Smith, Sr. ESA/390 integrated cryptographic facility: An overview. *IBM Systems Journal*, 30(2):192–205, 1991. CODEN IBMSA7. ISSN 0018-8670.
- Yuval:1980:SCA**
- Asher Yuval. System contention analysis — an alternate approach to system tuning. *IBM Systems Journal*, 19(2):208–228, 1980. CODEN IBMSA7. ISSN 0018-8670.
- Zatti:1992:NRI**
- S. Zatti, J. Ashfield, J. Baker, and E. Miller. Naming and registration for IBM distributed systems. *IBM Systems Journal*, 31(2):353–380, 1992. CODEN IBMSA7. ISSN 0018-8670. G321-5478.
- Zachman:1982:BSP**
- J. A. Zachman. Business Systems Planning and Business Information Control Study: a comparison. *IBM Systems Journal*, 21(1):31–53, 1982.

- CODEN IBMSA7. ISSN 0018-8670.
- [Zac87] John A. Zachman. A framework for information systems architecture. *IBM Systems Journal*, 26(3):276–292, 1987. CODEN IBMSA7. ISSN 0018-8670.
- [Zac99] J. A. Zachman. A framework for information systems architecture. *IBM Systems Journal*, 38(2–3):454–471, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/382/zachman.pdf>. Reprinted from [Zac87].
- [Zha98] Y. Zhao. Technical note — WebEntree: a Web service aggregator. *IBM Systems Journal*, 37(4):584–595, 1998. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/374/zhao.html>.
- [Zie79] K. Ziegler, Jr. A distributed information system study. *IBM Systems Journal*, 18(3):374–401, 1979. CODEN IBMSA7. ISSN 0018-8670.
- [Zim96] T. G. Zimmerman. Personal Area Networks: Near-field intrabody communication. *IBM Systems Journal*, 35(3&4):609–617, 1996. CODEN IBMSA7. ISSN 0018-8670.
- [Zim99] T. G. Zimmerman. Wireless networked digital devices: a new paradigm for computing and communication. *IBM Systems Journal*, 38(4):566–574, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/384/zimmerman.html>.
- [ZLK+07] L. Zeng, H. Lei, T. Koyanagi, H. Ohsaki, and H. Chang. Model analysis for business event processing. *IBM Systems Journal*, 46(4):??, October/December 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/464/zeng.html>.
- [Zlo77] Moshe M. Zloof. Query-by-Example: a data base language. *IBM Systems Journal*, 16(4):324–343, 1977. CODEN IBMSA7. ISSN 0018-8670.
- [Zlo82] M. M. Zloof. Office-by-Example: a business language that unifies data and word processing and electronic mail. *IBM Systems Journal*, 21(3):272–304, 1982. CODEN IBMSA7. ISSN 0018-8670.

Zhou:2002:AML

- [ZMF02] M. X. Zhou, S. Ma, and Y. Feng. Applying machine learning to automated information graphics generation. *IBM Systems Journal*, 41(3): 504–523, 2002. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/413/zhou.html>.

Zollar:2007:I

- [Zol07] Al Zollar. Introduction. *IBM Systems Journal*, 46(3):??, July/September 2007. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/463/intro.html>.

Zhai:1999:MIE

- [ZS99] S. Zhai and B. A. Smith. Multistream input: An experimental study of document scrolling methods. *IBM Systems Journal*, 38(4):642–651, 1999. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/384/zhai.html>.

Zhang:2008:SMP

- [ZZC⁺08] Liang-Jie Zhang, Nianjun Zhou, Yi-Min Chee, Ahamed Jalaldeen, Karthikeyan Ponnalagu, Renuka R. Sindhgatta, Ali Arsanjani, and Fausta Bernardini. SOMA-ME: a platform for the model-driven design of SOA solutions. *IBM Systems Journal*, 47(3):397–

413, 2008. CODEN IBMSA7. ISSN 0018-8670. URL <http://www.research.ibm.com/journal/sj/473/zhang.pdf>.