

Digital Technical Journal

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Cumulative Index

1985-1994



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Preface	2
Subject Index	3
Volume Listing	19
Author Listing	26
Acronym Glossary	39

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Preface

This cumulative index is provided as a convenient means for readers to locate subjects referenced in the *Digital Technical Journal* from 1985 through 1994. Since the *Journal* was first published in 1985, it has offered engineers and educators insights into the design of Digital's innovative engineering in such areas as software, systems, peripherals, semiconductors, and networking. With this index, readers can now more easily access that information.

The editors welcome comments on the utility of the index. Usefulness to readers will determine the frequency with which future indexes are published and enhancements made to the search capabilities of the *Journal's* electronic files on the World Wide Web. Comments may be sent to the attention of the Managing Editor, Digital Technical Journal, Digital Equipment Corporation, 30 Porter Road LJO2/D10, Littleton, Massachusetts 01460 U.S.A., or through the Internet to dtj@digital.com.

How to Use the *Digital Technical Journal* Cumulative Index

This cumulative index has been designed as a guide to the content and location of papers in the *Digital Technical Journal* 1985–1994. The four sections are Subject Index, Volume Listing, Author Listing, and Acronym Glossary.

Subject Index headings are arranged alphabetically. Subheadings are indented under main headings, and secondary subheadings are indented under subheadings. All entries are then arranged chronologically and refer to volume, number, date (year), and page numbers.

Example:

Alpha AXP, 4/4 (1992) 19–205
Alpha AXP program, 4/4 (1992) 193–205
software simulators, 4/4 (1992) 181–192

Cross-references serve as guides from one heading to another and are of two types:

- *See* references guide the reader to the preferred form of a subject (e.g., LSE *see* Language Sensitive Editor)

- *See also* references guide the reader from one heading to other headings where there is relevant material (e.g., DEC Rdb *See also* VAX Rdb/VMS).

The **Volume Listing** presents the titles and authors of papers for all issues that make up the six volumes referenced in this index.

In the **Author Listing**, author names are arranged alphabetically. A chronological listing of an author's papers follows his or her name.

Because of the extensive number of acronyms used throughout the literature, an **Acronym Glossary** is provided for readers' quick referral.

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Subject Index

A

ACA *see* Application Control Architecture

ACCESS.bus, 3/4 (1991) 36-42

 design, 3/4 (1991) 36-38

 protocol, 3/4 (1991) 39-41

ACMS monitor, 3/1 (1991) 18, 19, 20-22, 26-27, 30-31

 application management, 3/1 (1991) 30-31

 client/server architecture, 3/1 (1991) 20

 off-line execution, 3/1 (1991) 26-27

 on-line execution, 3/1 (1991) 20-21

see also transaction processing monitors

Ada compiler, 1/6 (1988) 51, 59-60, 91-100

 development, 1/6 (1988) 91-100

 instrumentation, 1/6 (1988) 92-95

 self-checking, 1/6 (1988) 95-97

 self-description, 1/6 (1988) 97-98

Ada language, 1/6 (1988) 51-61

 software productivity, 1/6 (1988) 51

adaptive differential pulse code modulation, 5/2 (1993) 29-33

addressing schemes, 5/2 (1993) 77-83

AIL library, 2/1 (1990) 50-53

 application interaction model, 2/1 (1990) 50

 data exchange, 2/1 (1990) 50-51

 design considerations, 2/1 (1990) 50

 routines, 2/1 (1990) 51-52

 usage sequence, 2/1 (1990) 52-53

ALL-IN-1 Integrated Office System, 5/4 (1993) 18, 25-26, 32

Alpha AXP, 4/4 (1992) 19-205

 Alpha AXP program, 4/4 (1992) 193-205

 Enrollment Management Model, 4/4 (1992) 194-203

 results, 4/4 (1992) 203-205

 software simulators, 4/4 (1992) 181-192

 AUD, 4/4 (1992) 185-189

 AUDI, 4/4 (1992) 189-192

 Mannequin and ISP, 4/4 (1992) 181-185

 architecture, 4/4 (1992) 19-34, 36

 data representation, 4/4 (1992) 25-27

 definitions, 4/4 (1992) 19, 33-34

 design decisions, 4/4 (1992) 20-25

 instruction formats, 4/4 (1992) 28-32

 instruction set summary, 4/4 (1992) 23-24

 CMOS microprocessor, 4/4 (1992) 35-50

 external interface, 4/4 (1992) 38-40

 implementations, 4/4 (1992) 40-42

 caches, 4/4 (1992) 48-49

 I/O circuitry, 4/4 (1992) 46-48

 latches, 4/4 (1992) 42-46

 64-bit adder, 4/4 (1992) 46

 microarchitecture, 4/4 (1992) 36-38

 process technology, 4/4 (1992) 35-36

Alpha AXP PC, 6/1 (1994) 54-64 *see also* DECpc AXP 150

 evolution, 6/1 (1994) 54-59, 64

 beta system, 6/1 (1994) 54-59

 hardware design, 6/1 (1994) 54-58

 performance, 6/1 (1994) 58

 software, 6/1 (1994) 58

 theta system, 6/1 (1994) 59

Alpha AXP systems, 5/2 (1993) 19, 26, 75

Alpha demonstration unit

 cache coherence, 4/4 (1992) 55-56

 system modules, 4/4 (1992) 56-64

Alpha demonstration unit (prototype), 4/4 (1992) 51-65

 backplane interconnect, 4/4 (1992) 52-54

alphabetic filing, 5/3 (1993) 43-48

AlphaServer multiprocessor systems, 6/3 (1994) 8-19

 CPU module, 6/3 (1994) 11-12

 memory module, 6/3 (1994) 14

 multiprocessor system bus, 6/3 (1994) 12-14

 performance, 6/3 (1994) 18

 system start-up, 6/3 (1994) 16-17

 technology, 6/3 (1994) 15-16

AlphaServer 2100 I/O subsystem, 6/3 (1994) 20-28

 BIOS caching compatibility, 6/3 (1994) 25

 bus bridges, 6/3 (1994) 22-23

 bus efficiency, 6/3 (1994) 20-22

 design challenges, 6/3 (1994) 23-25

 interrupt mechanism, 6/3 (1994) 25-26

 standard I/O module, 6/3 (1994) 26-27

APIs, 4/1 (1992) 51-52, 55-56, 63-65 5/2 (1993) 46-47, 92, 110 5/3 (1993) 36-41 6/4 (1994) 69-70

AppleShare, 4/1 (1992) 12

AppleTalk, 4/1 (1992) 11

Application Control Architecture, 5/2 (1993) 84, 100

see also CASE

 application integration, 5/2 (1993) 95-97, 103, 108

 application interface library *see* AIL library

 Application Programming Interfaces *see* APIs

 asynchronous system trap, 1/5 (1987) 31, 46, 53

 atomicity, 3/1 (1991) 14, 34, 70

 definition, 3/1 (1991) 10

 audio compression, 3/4 (1991) 23-24

B

- base load factor, *3/1 (1991)* 61, 62
- benchmarks, *5/4 (1993)* 10, 22–24
- binary large objects *see* BLOBs
- binary translation, *4/4 (1992)* 137–152
 - mx (ULTRIX MIPS translator), *4/4 (1992)* 146–151
 - TIE, *4/4 (1992)* 142–146
 - VEST, *4/4 (1992)* 140–142
- bitonal imaging, *3/4 (1991)* 9, 10, 11, 12–24
 - design, *3/4 (1991)* 15–20
 - future requirements, *3/4 (1991)* 21–24
 - hardware accelerators, *3/4 (1991)* 15–24
 - issues, *3/4 (1991)* 12–15
- BLOBs, *5/2 (1993)* 51, 52, 55–58
- BM1 benchmark, *3/4 (1991)* 63
- BM2 benchmark, *3/4 (1991)* 64
- BM3 benchmark, *3/4 (1991)* 64
- bus arbitration *see also* CI bus—arbitration
- business metrics, *3/1 (1991)* 59–61
 - definition, *3/1 (1991)* 59

C

- C (language), *5/3 (1993)* 29–30, 32–33, 36–38, 82–84
- caches, *1/9 (1989)* 22–23 *5/2 (1993)* 43, 44, 59
- Cambridge Research Laboratory, *5/2 (1993)* 66
- carrier-sense multiple access with collision detection *see* CSMA/CD
- CASE, *5/2 (1993)* 84–99
- CDA, *2/1 (1990)* 8–48, 83–89
 - background, *2/1 (1990)* 8–9
 - CDA Toolkit, *2/1 (1990)* 38–48
 - ASN.1, *2/1 (1990)* 39–42, 45–47
 - converter architecture, *2/1 (1990)* 42–45
 - data paths, *2/1 (1990)* 41
 - document data structures, *2/1 (1990)* 39–40
 - goals, *2/1 (1990)* 38–39
 - internals, *2/1 (1990)* 45–47
 - multiple data syntax support, *2/1 (1990)* 41–42
 - portability, *2/1 (1990)* 47
 - primitive data elements, *2/1 (1990)* 40–41
 - procedural interface, *2/1 (1990)* 39–42
- DDIF, *2/1 (1990)* 16–27 *see also* DECwrite editor—relationship with DDIF
 - data encoding, *2/1 (1990)* 25
 - design, *2/1 (1990)* 18–21
 - graphics, *2/1 (1990)* 20
 - images, *2/1 (1990)* 20–21
 - text and layout, *2/1 (1990)* 20
 - document interchange, *2/1 (1990)* 25–26
 - extensibility, *2/1 (1990)* 26
 - goals, *2/1 (1990)* 17–18
 - related standards, *2/1 (1990)* 24–25
 - revisability support, *2/1 (1990)* 21–23
- DDIS, *2/1 (1990)* 9
- DECview3D, *2/1 (1990)* 83–89
 - architecture, *2/1 (1990)* 86–88
 - design, *2/1 (1990)* 84–86
- development, *2/1 (1990)* 11–14
- Digital data interchange syntax *see* DDIS
- Digital document interchange format *see* DDIF
- Digital table interchange format *see* DTIF
- DTIF, *2/1 (1990)* 28–37
 - design, *2/1 (1990)* 30–32
 - document structure, *2/1 (1990)* 32–33
 - history, *2/1 (1990)* 28–30
 - tables, *2/1 (1990)* 33–37
 - overview, *2/1 (1990)* 8–15
- CFPA chip, *1/7 (1988)* 109–120 *see also* MicroVAX 3500/3600—processor module—CFPA chip
 - design, *1/7 (1988)* 110–115
 - algorithms, *1/7 (1988)* 111–115
 - processor-to-bus interface, *1/7 (1988)* 110–111
 - design methodology, *1/7 (1988)* 118–119
 - implementation, *1/7 (1988)* 115–118
 - circuit design, *1/7 (1988)* 116–118
 - microarchitecture, *1/7 (1988)* 115–116
 - performance, *1/7 (1988)* 119
 - project goals, *1/7 (1988)* 109–110
- character internationalization, *5/3 (1993)* 80–96
- character sets, *5/3 (1993)* 38, 49, 53, 56, 65–68, 72
- Chinese characters, *5/3 (1993)* 9, 11, 21–27, 44, 48–49, 64–65, 67–68
- Chinese language, *5/3 (1993)* 35, 63
- CI bus, *1/5 (1987)* 7–9, 61, 93–103
 - arbitration, *1/5 (1987)* 94–95
 - definition, *1/5 (1987)* 8
 - performance *1/5 (1987)* 93–103
- CI port, *1/5 (1987)* 8–14
 - architecture, *1/5 (1987)* 9–10
 - Ethernet emulation, *1/5 (1987)* 12–14
 - interface, *1/5 (1987)* 11–12
- client/server computing, *5/3 (1993)* 37–39, 106
- CMCTL, *1/7 (1988)* 139–143
 - performance, *1/7 (1988)* 142–143
 - system overview, *1/7 (1988)* 140–142
- CMCTL chip, *3/4 (1991)* 66–67
- CMOS, *4/2 (1992)* 12–38, 100–113
 - design and manufacture, *4/2 (1992)* 22–24
 - device simulation tools, *4/2 (1992)* 25–38
 - process simulation tools, *4/2 (1992)* 25–38
 - development, *4/2 (1992)* 16–20
 - gates, *4/2 (1992)* 18–19
 - hot carriers, *4/2 (1992)* 17–18
 - interconnects, *4/2 (1992)* 20–22
 - power supply, *4/2 (1992)* 16–17
 - precision resistor, *4/2 (1992)* 19–20
 - general considerations, *4/2 (1992)* 12–13
 - reliability, *4/2 (1992)* 100–113
 - scaling, *4/2 (1992)* 13–16
- CMOS-4, *4/2 (1992)* 39–50, 51–72, 73–82, 114–125
 - defect reduction, *4/2 (1992)* 73–82
 - design, *4/2 (1992)* 44–47
 - interconnection technology, *4/2 (1992)* 51–72
 - microcontamination, *4/2 (1992)* 73–82
 - process description, *4/2 (1992)* 40–44
 - reliability, *4/2 (1992)* 114–125
 - SRAM implementation, *4/2 (1992)* 47–49
- CNS, *3/2 (1991)* 42–52
 - design, *3/2 (1991)* 49–50
 - software, *3/2 (1991)* 47–49
 - testing, *3/2 (1991)* 50–51
- COHESION, *5/2 (1993)* 89–91, 98

color imaging, *3/4 (1991)* 10, 11
 command process, *3/1 (1991)* 20, 21
 commit, *3/1 (1991)* 10, 14, 16
 commit processing, *3/1 (1991)* 70–78
 cooperative commit processing, *3/1 (1991)* 73–75
 group commit, *3/1 (1991)* 71–72, 75–76
 KODA, *3/1 (1991)* 76–78
 commit-lock design, *3/1 (1991)* 73
 commit-stall design, *3/1 (1991)* 75, 76, 77
 Common Node Software *see* CNS
 Common Object Request Broker Architecture,
 5/2 (1993) 84
 common print symbiont *see* DECprint common
 printer supervisor
 common printer access protocol, *3/4 (1991)* 55, 57
 Compound Document Architecture *see* CDA
 Computer Interconnect bus *see* CI bus
 Computer Interconnect port *see* CI port
 computer monitoring, *5/2 (1993)* 106–107
 computer-aided software engineering *see* CASE
 concentrators, *3/2 (1991)* 64–70
 contention, *3/1 (1991)* 20, 22, 26
 contextual inquiry, *5/4 (1993)* 14, 21–23, 38, 47–49
 6/4 (1994) 64
 control systems, *5/2 (1993)* 100–104
 controlled terminals, *3/1 (1991)* 30
 CORBA *see* Common Object Request Broker Architecture
 CPAP *see* common printer access protocol
 CPS *see* DECprint common printer supervisor
 CQBIC, *1/7 (1988)* 129–138 *see also* MicroVAX
 3500/3600—processor module—CQBIC
 implementation, *1/7 (1988)* 133–134
 project goals, *1/7 (1988)* 129–130
 project research, *1/7 (1988)* 130–133
 Q22-bus arbiter, *1/7 (1988)* 134–135
 Q22-bus electrical interface, *1/7 (1988)* 138
 Q22-bus master, *1/7 (1988)* 137
 Q22-bus slave, *1/7 (1988)* 137–138
 S/G map, *1/7 (1988)* 135–137
 CRAY T3D system, *6/2 (1994)* 8–21
 benchmark results, *6/2 (1994)* 19–21
 design, *6/2 (1994)* 10–11
 hardware, *6/2 (1994)* 13–19
 I/O, *6/2 (1994)* 18–19
 memory, *6/2 (1994)* 13–14
 microarchitecture, *6/2 (1994)* 13, 16–18
 network design, *6/2 (1994)* 14–16
 synchronization primitives, *6/2 (1994)* 18
 3-D Torus, *6/2 (1994)* 14
 overview, *6/2 (1994)* 8–10
 software, *6/2 (1994)* 11–13
 CRAFT programming model, *6/2 (1994)* 11–12
 CSMA/CD, *1/5 (1987)* 9
 CVAX chip, *1/7 (1988)* 95–108 *see also* MicroVAX
 3500/3600—processor module—CPU
 BIU, *1/7 (1988)* 101–102
 control store, *1/7 (1988)* 103
 external interface, *1/7 (1988)* 96–98
 E-box, *1/7 (1988)* 100–101
 instruction decode and prefetch queue, *1/7 (1988)* 100
 internal cache, *1/7 (1988)* 102–103, 104
 microsequencer, *1/7 (1988)* 103

modeling, *1/7 (1988)* 105–106
 M-box, *1/7 (1988)* 101
 project goals, *1/7 (1988)* 95–96
 testability, *1/7 (1988)* 103–105
 CVAX CMOS memory controller chip *see* CMCTL
 CVAX floating point accelerator chip *see* CFPA chip
 CVAX memory controller chip *see* CMCTL chip
 CVAX processor, *3/4 (1991)* 61, 64, 65
 CVAX Q22-bus interface chip *see* CQBIC

D

DAS *see* DECimage Application Services
 data compression, *5/2 (1993)* 28–29, 33, 59, 66, 74
 6/2 (1994) 64–70
 DLZ1 compression algorithm, *6/2 (1994)* 64–65
 see also DLT2000 tape drive
 IDRC compression algorithm, *6/2 (1994)* 64 *see also*
 DLT2000 tape drive
 data models, *5/2 (1993)* 86, 105
 data representation, *5/3 (1993)* 54, 56, 81
 data transmission, *5/2 (1993)* 78–80 *5/3 (1993)* 28
 data types, *5/2 (1993)* 19, 29 *5/3 (1993)* 29–30, 40,
 54–55, 57–59, 84
 database availability, *3/1 (1991)* 65–69
 database management systems, *5/2 (1993)* 50
 5/3 (1993) 80, 87
 datagrams *see also* System Communication
 Architecture—datagrams
 DCE *see* distributed computing environment
 DDE, *5/2 (1993)* 47–48
 DEC DBMS, *4/4 (1992)* 153–164
 porting details, *4/4 (1992)* 156–163
 porting policies, *4/4 (1992)* 154–156
 product architecture, *4/4 (1992)* 154
 DEC FDDIcontroller 400, *3/3 (1991)* 48–63
 architecture, *3/3 (1991)* 48–55
 implementation, *3/3 (1991)* 55–61
 performance, *3/3 (1991)* 62–63, 64–77
 performance measurements, *3/3 (1991)* 71–76
 performance modeling, *3/3 (1991)* 65–70
 DEC FDDIcontroller 700 adapter, *3/2 (1991)* 85,
 87–89, 92
 DEC LANcontroller 400, *3/3 (1991)* 36–47
 design, *3/3 (1991)* 38–40
 implementation, *3/3 (1991)* 40–42
 logic overview, *3/3 (1991)* 36–38
 performance, *3/3 (1991)* 42–44
 visibility, *3/3 (1991)* 44–47
 DEC MediaImpact, *5/2 (1993)* 19
 DEC Network Integration Server *see* DECNIS
 DEC Network Integration Server 500 and 600
 see DECNIS 500/600
 DEC OSF/1 AXP, *5/3 (1993)* 32, 35–36
 DEC OSF/1 Version 3.0 SMP implementation,
 6/3 (1994) 29–43
 base operating system adaptation, *6/3 (1994)* 32–35
 concurrency and locking, *6/3 (1994)* 30–32
 lock package development, *6/3 (1994)* 35–38
 performance measurements, *6/3 (1994)* 41–42
 quality, *6/3 (1994)* 40–41
 scheduler adaptation, *6/3 (1994)* 38–40

- DEC Rdb, 4/4 (1992) 153-164 5/3 (1993) 80, 85-87, 89
6/1 (1994) 23-35 *see also* VAX Rdb/VMS
performance enhancements, 6/1 (1994) 24-31
 backup and restore operations, 6/1 (1994) 28-29
 commit time processing, 6/1 (1994) 26-28
 multi-statement procedures, 6/1 (1994) 30-31
 read I/O requests, 6/1 (1994) 25-26
 sorting, 6/1 (1994) 29-30
 write I/O requests, 6/1 (1994) 24-25
performance measurements, 6/1 (1994) 31-34
 TPC-A benchmarks, 6/1 (1994) 32-33
 TPC-A transactions, 6/1 (1994) 32-33
porting details, 4/4 (1992) 156-163
porting policies, 4/4 (1992) 154-156
- DEC Rdb for OpenVMS, 5/2 (1993) 50-63
- DEC TP WORKcenter, 5/4 (1993) 47-48
- DEC 10000 AXP, 4/4 (1992) 100-110 *see also*
DEC 7000 AXP
console, 4/4 (1992) 107-108
diagnostics, 4/4 (1992) 107-108
performance, 4/4 (1992) 109-110
power subsystem, 4/4 (1992) 109
processor module, 4/4 (1992) 103
- DEC 3000 AXP, 4/4 (1992) 66-81
clock system, 4/4 (1992) 77
components, 4/4 (1992) 78
CPU module, 4/4 (1992) 67-71
definition, 4/4 (1992) 66-67
graphics, 4/4 (1992) 76-77
I/O subsystem, 4/4 (1992) 75-76
I/O subsystem interface, 4/4 (1992) 73-75
manufacturability/testability, 4/4 (1992) 79
memory system, 4/4 (1992) 71-73
performance, 4/4 (1992) 79-80
power and packaging, 4/4 (1992) 78-79
- DEC 4000 AXP, 4/4 (1992) 82-99
architecture, 4/4 (1992) 83-86
CPU module subsystems, 4/4 (1992) 92-93
enclosure, 4/4 (1992) 95-96
expansion I/O subsystems, 4/4 (1992) 93-94
firmware, 4/4 (1992) 96-97
I/O module, 4/4 (1992) 93-94
mass storage, 4/4 (1992) 93-94
memory subsystem, 4/4 (1992) 94-95
overview, 4/4 (1992) 82-83
performance, 4/4 (1992) 99
technology, 4/4 (1992) 86-92
 I/O bus, 4/4 (1992) 88
 modules, 4/4 (1992) 88-89
 system bus clocking, 4/4 (1992) 86-88
 system bus protocol, 4/4 (1992) 89-92
- DEC 7000 AXP, 4/4 (1992) 100-110
architecture, 4/4 (1992) 100-101
console, 4/4 (1992) 107-108
design process, 4/4 (1992) 109-110
diagnostics, 4/4 (1992) 107-108
I/O subsystem, 4/4 (1992) 105-107
memory module, 4/4 (1992) 105
performance, 4/4 (1992) 109-110
power subsystem, 4/4 (1992) 109
processor module, 4/4 (1992) 103-105
system interconnect, 4/4 (1992) 101-103
system packaging, 4/4 (1992) 108-109
technology, 4/4 (1992) 101
- DEC @aGlance, 5/2 (1993) 100-112
- DECaudio, 5/2 (1993) 65-66, 74
- DECbridge 500, 3/2 (1991) 16-17, 53-63
design, 3/2 (1991) 53-56
development methodology, 3/2 (1991) 62-63
NI-side processing, 3/2 (1991) 60-61
NI-to-FDDI forwarding, 3/2 (1991) 61-62
queue manager, 3/2 (1991) 57-59
translation, 3/2 (1991) 59-61
- DECchip 21064, 5/2 (1993) 39
- DECchip 21064 microprocessor, 6/2 (1994) 49-60,
16-18
core logic chip set, 6/2 (1994) 49-56
cache controller, 6/2 (1994) 54-55
functional verification, 6/2 (1994) 56
goals, 6/2 (1994) 49-50
internal clocking, 6/2 (1994) 55-56
memory controller, 6/2 (1994) 53-54
overview, 6/2 (1994) 50
packaging technology, 6/2 (1994) 54
partitioning, 6/2 (1994) 51-52
PCI local bus interface, 6/2 (1994) 52-53
silicon technology, 6/2 (1994) 55
- DECchip 21066 microprocessor, 6/1 (1994) 66-76
DRAM data interface, 6/1 (1994) 69
graphics-assisting functions, 6/1 (1994) 70
internal components, 6/1 (1994) 67, 68
logic design verification process, 6/1 (1994) 71-72
memory controller, 6/1 (1994) 69
packaging, 6/1 (1994) 75-76
PCI bus interface, 6/1 (1994) 70-71
PLL design issues, 6/1 (1994) 73-75
secondary cache, 6/1 (1994) 69-70
system application, 6/1 (1994) 67-69
- DECconcentrator 500, 3/2 (1991) 17, 70-75
hardware development, 3/2 (1991) 70-74
software design, 3/2 (1991) 74-75
- DECdecision, 2/1 (1990) 60-72
design, 2/1 (1990) 61-72
 Access component, 2/1 (1990) 69-70
 Calc component, 2/1 (1990) 66-68
 CDA support, 2/1 (1990) 62-63
 clipboard, 2/1 (1990) 64-65
 Control component, 2/1 (1990) 71-72
 data integration, 2/1 (1990) 61-62
 DECchart component, 2/1 (1990) 65-66
 QuickCopy, 2/1 (1990) 63-64
- DECdecision Builder, 2/1 (1990) 53-59, 70-71
communication model, 2/1 (1990) 56-58
goals, 2/1 (1990) 54-55
optimization, 2/1 (1990) 58-59
sessions, 2/1 (1990) 55-56
- DECdta, 3/1 (1991) 11-38
architecture, 3/1 (1991) 12, 3/1 (1991) 15-16
components, 3/1 (1991) 12-15
definition, 3/1 (1991) 11
- DECdtm services, 3/1 (1991) 33, 37-43
components, 3/1 (1991) 37-38
definition, 3/1 (1991) 33

- performance, *3/1 (1991) 40-41*
 - protocol optimizations, *3/1 (1991) 39-40*
 - DECelms**, *3/2 (1991) 76-84*
 - development, *3/2 (1991) 76-78*
 - management functions, *3/2 (1991) 77, 81-82*
 - network management architecture, *3/2 (1991) 78-80*
 - RBMS protocol, *3/2 (1991) 78-79*
 - user interface, *3/2 (1991) 83-84*
 - DECforms**, *3/1 (1991) 15, 21*
 - DECimage Application Services**, *5/2 (1993) 60*
 - DECimage 1200 Accelerator**, *3/4 (1991) 15-17, 18*
 - DECintact**, *3/1 (1991) 18-32*
 - monitor, *3/1 (1991) 19, 23-26, 27-30, 31*
 - multithreaded applications, *3/1 (1991) 25, 27, 28*
 - off-line execution, *3/1 (1991) 27-30*
 - on-line execution, *3/1 (1991) 23-26*
 - see also* transaction processing monitors
 - single-threaded applications, *3/1 (1991) 25*
 - queuing system, *3/1 (1991) 28-30*
 - services, *3/1 (1991) 19-20*
 - DECmcc director**, *5/1 (1993) 130-142*
 - design, *5/1 (1993) 132-136*
 - history, *5/1 (1993) 130-132*
 - implementation, *5/1 (1993) 137-139*
 - DECmodel**, *6/4 (1994) 50-62*
 - architecture, *6/4 (1994) 55*
 - design and implementation, *6/4 (1994) 55-58*
 - goals, *6/4 (1994) 51*
 - processes, activities and messages, *6/4 (1994) 52-55*
 - product delivery, *6/4 (1994) 61-62*
 - user interface, *6/4 (1994) 58-61*
 - DECnet**, *5/1 (1993) 12-20, 104, 107, 117-128*
 - 5/2 (1993) 70*
 - distributed network management, *5/1 (1993) 18-19*
 - history, *5/1 (1993) 12-13*
 - open networking, *5/1 (1993) 13-14*
 - OSI, *5/1 (1993) 13, 15*
 - OSI Phase V, *5/1 (1993) 14-19, 117-128*
 - layered architecture, *5/1 (1993) 15-17*
 - network management, *5/1 (1993) 117-128*
 - DECnet for OpenVMS AXP**, *4/4 (1992) 165-180*
 - components, *4/4 (1992) 169-172*
 - porting process, *4/4 (1992) 172-178*
 - project overview, *4/4 (1992) 165-172*
 - DECnet Monitor**, *1/3 (1986) 122-125*
 - design, *1/3 (1986) 124-125*
 - evolution, *1/3 (1986) 122-123*
 - problems, *1/3 (1986) 123-124*
 - DECnet Network Process transport component**
see DNP transport component
 - DECnet protocol**, *4/1 (1992) 12-13*
 - DECnet-DOS**, *1/3 (1986) 108-116*
 - application layer services, *1/3 (1986) 114-116*
 - application program command parsing, *1/3 (1986) 114*
 - network management, *1/3 (1986) 114-115*
 - network programming services, *1/3 (1986) 115-116*
 - data link services, *1/3 (1986) 111-112*
 - development issues, *1/3 (1986) 108-110*
 - network layer services, *1/3 (1986) 112*
 - presentation layer services, *1/3 (1986) 112-114*
 - network file transfer, *1/3 (1986) 112-113*
 - network mail, *1/3 (1986) 114*
 - virtual disk and printer, *1/3 (1986) 113-114*
 - virtual terminal service, *1/3 (1986) 113*
 - session layer services, *1/3 (1986) 112*
 - transport layer services (NSP), *1/3 (1986) 112*
- DECnet-ULTRIX**, *1/3 (1986) 100-107*
 - components, *1/3 (1986) 102-106*
 - file transfers, *1/3 (1986) 104-105*
 - kernel changes, *1/3 (1986) 102-103*
 - mail, *1/3 (1986) 105-106*
 - network management, *1/3 (1986) 103-104*
 - programming interface, *1/3 (1986) 102*
 - remote terminal access, *1/3 (1986) 105*
 - design, *1/3 (1986) 101*
 - performance, *1/3 (1986) 106*
 - project constraints, *1/3 (1986) 100-101*
 - project goals, *1/3 (1986) 100*
 - project management, *1/3 (1986) 106*
- DECnet-VAX**, *1/3 (1986) 88-99*
 - components, *1/3 (1986) 91-93*
 - NCP, *1/3 (1986) 92*
 - NETACP, *1/3 (1986) 92*
 - NETDRIVER, *1/3 (1986) 91-92*
 - NML, *1/3 (1986) 92-93*
 - foundations, *1/3 (1986) 88-91*
 - performance issues, *1/3 (1986) 96-98*
 - buffer size optimization, *1/3 (1986) 98*
 - NETACP, *1/3 (1986) 96-97*
 - network server processes, *1/3 (1986) 97*
 - node database structure, *1/3 (1986) 97-98*
 - window-based congestion control, *1/3 (1986) 97*
 - VAX/VMS environment, *1/3 (1986) 93-96*
 - ASSIGN and DASSGN, *1/3 (1986) 94*
 - cluster alias address, *1/3 (1986) 95-96*
 - dynamic asynchronous connections, *1/3 (1986) 96*
 - proxy log-in, *1/3 (1986) 95*
 - transparent and nontransparent modes, *1/3 (1986) 94-95*
- DECnet/OSI for OpenVMS**, *5/1 (1993) 21-33*
 - configuration, *5/1 (1993) 31-33*
 - design, *5/1 (1993) 21-23*
 - network management, *5/1 (1993) 23-26*
 - session control, *5/1 (1993) 26-29*
 - transport implementation, *5/1 (1993) 29-31*
- DECnet/OSI for ULTRIX**, *5/1 (1993) 34-43*
 - development, *5/1 (1993) 35*
 - Kernel implementation, *5/1 (1993) 35-39*
 - network management, *5/1 (1993) 40-41*
 - overview, *5/1 (1993) 34-35*
- DECnet/SNA data transfer facility**, *1/9 (1989) 88*
- DECnet/SNA Gateway**, *1/3 (1986) 35-53 1/9 (1989) 87-94*
 - access architecture, *1/3 (1986) 43-46*
 - components, *1/3 (1986) 48-51*
 - management architecture, *1/3 (1986) 47-48*
 - model, *1/9 (1989) 87-88, 89-94*
 - network interconnection issues, *1/3 (1986) 35-37, 40-41*
 - product, *1/9 (1989) 87*
- DECnet/SNA remote job entry**, *1/9 (1989) 89*

- DECnet/SNA 3270 Terminal Emulator, *1/9 (1989)* 88
- DECNIS, *5/1 (1993)* 71, *5/2 (1993)* 72-74, 76-77, 81-82
- DECNIS 500/600, *5/1 (1993)* 84-98 *see also* frame relay networks
- architecture, *5/1 (1993)* 85-89
 - hardware design, *5/1 (1993)* 89-92
 - performance measurements, *5/1 (1993)* 97-98 *see also* multiprotocol routing systems
 - router design, *5/1 (1993)* 84-85
 - software design, *5/1 (1993)* 92-97
- DECpc AXP 150, *6/1 (1994)* 59-65 *see also* Alpha AXP PC
- hardware design, *6/1 (1994)* 60-63
 - performance, *6/1 (1994)* 63-64
 - software design, *6/1 (1994)* 63
- DECperformance Solution software, *4/1 (1992)* 69
- DECprint common printer supervisor, *3/4 (1991)* 43-53
- DECprint model of printing, *3/4 (1991)* 43-45
 - internal structure, *3/4 (1991)* 45-48
 - printing system environment, *3/4 (1991)* 48-49
 - special processing, *3/4 (1991)* 51-53
- DECspin, *5/2 (1993)* 65-75
- DECstation 3100, *2/2 (1990)* 84-88
- development, *2/2 (1990)* 84-88
 - design rules, *2/2 (1990)* 85-86
 - processor subsystem, *2/2 (1990)* 86-87
 - performance, *2/2 (1990)* 88
- DECstation 5000 series, *5/2 (1993)* 19, 38, 65-66, 74
- DECvideo, *5/2 (1993)* 65-66, 74
- DECwindows, *2/3 (1990)* 9-14, 31-32, 44, 60, 74-94
- architecture, *2/3 (1990)* 9-10, 44
 - Ethernet performance, *2/3 (1990)* 84-94
 - toolkit *see* XUI toolkit
 - VMS Mail, *2/3 (1990)* 74-83
 - implementation issues, *2/3 (1990)* 77-83
 - initial interface, *2/3 (1990)* 75-76
 - window manager, *3/4 (1991)* 31-32
- DECwrite editor, *2/1 (1990)* 73-82
- relationship with DDIF, *2/1 (1990)* 74-82
 - conversion activities, *2/1 (1990)* 74-76
 - text processing, *2/1 (1990)* 76-82
 - elements, *2/1 (1990)* 78-79
 - layout, *2/1 (1990)* 80
 - LiveLink connections, *2/1 (1990)* 81
 - objects, *2/1 (1990)* 79-80
 - styles, *2/1 (1990)* 81-82
 - text, *2/1 (1990)* 76-78
- DEMFA *see* DEC FDDI controller 400
- DEMNA *see* DEC LAN controller 400
- desktop buses, *3/4 (1991)* 36-37, 38
- device control libraries, *3/4 (1991)* 49, 52-53
- DFS, *1/9 (1989)* 16-28, 67, 80-83
- design, *1/9 (1989)* 16-19
 - implementation, *1/9 (1989)* 23-25
 - performance, *1/9 (1989)* 19-22, 67, 80-83
- DFS server, *1/9 (1989)* 26-27
- diacritics, *5/3 (1993)* 10-11, 24, 26, 29, 45-47, 49
- digital audio, *5/2 (1993)* 28-29
- Digital eXtended Math Library *see* DXML
- digital images, *6/2 (1994)* 45, 46-48
- projection, *6/2 (1994)* 46-47
 - visualization, *6/2 (1994)* 47-48
- digital imaging, *3/4 (1991)* 9-12
- Digital Network Architecture, *1/3 (1986)* 10-32, 39-40
- design goals, *1/3 (1986)* 10-11
 - design principles, *1/3 (1986)* 11
 - end communications layer, *1/3 (1986)* 17-18
 - evolution, *1/3 (1986)* 11-12
 - future directions, *1/3 (1986)* 23
 - network applications layer, *1/3 (1986)* 15-16
 - network management layer, *1/3 (1986)* 14-15
 - overview, *1/3 (1986)* 13, 39-40
 - performance analysis, *1/3 (1986)* 25-31
 - physical link layer, *1/3 (1986)* 22-23
 - routing layer, *1/3 (1986)* 18-22
 - session control layer, *1/3 (1986)* 16-17
 - traffic analysis, *1/3 (1986)* 31-32
 - workload characterization, *1/3 (1986)* 31-32
- digital video, *5/2 (1993)* 19-21
- disk drives, *1/8 (1989)* 61-73, 81-87
- adaptive runout correction system, *1/8 (1989)* 65-72
 - automatic bias force correction, *1/8 (1989)* 64-65
 - control tools, *1/8 (1989)* 72-73
 - embedded servo systems, *1/8 (1989)* 61-64
 - performance, *1/8 (1989)* 81-87
 - phase shift, *1/8 (1989)* 81-82
- Display PostScript System, *2/3 (1990)* 64-73
- DECwindows implementation, *2/3 (1990)* 65-71
 - features, *2/3 (1990)* 64-65
- distributed quality function deployment, *5/4 (1993)* 23, 36-46, 47-48, 55
- distributed system performance evaluation methodology, *1/9 (1989)* 62-75
- case studies, *1/9 (1989)* 68-75
 - performance, *1/9 (1989)* 63-64
 - testing, *1/9 (1989)* 64-66
- distributed systems, *5/3 (1993)* 37-39, 53, 84
- dithering, *5/2 (1993)* 10-15, 25, 66
- DLT2000 tape drive, *6/2 (1994)* 62-71
- data compression tests, *6/2 (1994)* 65-70
 - benchmark tests, *6/2 (1994)* 66, 70
 - operating system-based tests, *6/2 (1994)* 65-66, 67-68
 - throughput tests, *6/2 (1994)* 66-67, 68-69
 - overview, *6/2 (1994)* 62-64
- DNA *see* Digital Network Architecture
- DNP transport component, *4/1 (1992)* 40-46
- design, *4/1 (1992)* 43-45
- DNS, *1/9 (1989)* 9-15, 65-67, 83-86
- architecture, *1/9 (1989)* 11-13
 - performance, *1/9 (1989)* 83-86
- downtime, *3/1 (1991)* 65
- scheduled, *3/1 (1991)* 65, 68-69
 - unexpected, *3/1 (1991)* 65, 66-68
- DQFD *see* distributed quality function deployment
- durability, *3/1 (1991)* 10, 14, 34
- definition, *3/1 (1991)* 10
- DXML, *6/3 (1994)* 44-56
- BLAS, *6/3 (1994)* 45-46
 - LAPACK, *6/3 (1994)* 45, 46
 - performance measurements, *6/3 (1994)* 48-55

signal processing, 6/3 (1994) 45, 46
software design, 6/3 (1994) 47-48
sparse linear system solvers, 6/3 (1994) 45, 46-47
dynamic reconfiguration, 3/4 (1991) 38

E

EB64+ evaluation kit, 6/2 (1994) 56-60
design evolution, 6/2 (1994) 58-59
performance, 6/2 (1994) 59-60
electromigration, 4/2 (1992) 114-125
reliability qualification, 4/2 (1992) 121-125
scaling model, 4/2 (1992) 115-120
electronic mail system *see* EMS
EMA, 5/1 (1993) 117-129
node entity class, 5/1 (1993) 121-124
OSI transport module, 5/1 (1993) 124-125
support services, 5/1 (1993) 125-127
EMS, 1/9 (1989) 38-39
encapsulation, 5/2 (1993) 93-95
encoding, 5/2 (1993) 21-23, 25, 34-35
Enterprise Management Architecture *see* EMA
eXcursion for Windows, 4/1 (1992) 56-67
design, 4/1 (1992) 57-63
performance considerations, 4/1 (1992) 59-60
use of Windows resources, 4/1 (1992) 58-59
input device handling, 4/1 (1992) 65-66
X architecture, 4/1 (1992) 61-63
execution controller, 3/1 (1991) 21, 30, 31
extended environment, commercial off-the-shelf
computer *see* Raytheon E²COTS system

F

FDDI, 3/2 (1991) 10-41, 65-70, 78-92
components, 3/2 (1991) 12-13
data link, 3/2 (1991) 31-41
CAM chip, 3/2 (1991) 38-39
FCIS algorithm, 3/2 (1991) 33-34
MAC chip, 3/2 (1991) 37-38
ring purging algorithm, 3/2 (1991) 34-35
RMC chip, 3/2 (1991) 35-37
history, 3/2 (1991) 10-12
MAC protocol, 3/2 (1991) 32-33
performance, 3/3 (1991) 78-88
physical layer, 3/2 (1991) 19-30
distributed clocking scheme, 3/2 (1991) 22-25
optical link design, 3/2 (1991) 25-28
bandwidth allocation, 3/2 (1991) 26-27
jitter budget, 3/2 (1991) 27-28
PHY port, 3/2 (1991) 19-22
physical link error process, 3/2 (1991) 28-30
stations, 3/2 (1991) 12-13
dual attachment concentrators, 3/2 (1991) 13, 20
dual attachment stations, 3/2 (1991) 12-13, 20, 69
single attachment stations, 3/2 (1991) 12, 13, 20,
68-69
topologies, 3/2 (1991) 13-15, 19-20, 65-67, 70
dual homing, 3/2 (1991) 65, 70
dual ring of trees, 3/2 (1991) 66-67

dual trunk rings, 3/2 (1991) 13-14
tree rings, 3/2 (1991) 13-14
ULTRIX implementation, 3/2 (1991) 86-92
file servers, 1/9 (1989) 46-49 5/2 (1993) 42 *see also* DFS
server
file system, 4/1 (1992) 16-18
filtering, 5/2 (1993) 9-11, 34-36
font daemon, 3/4 (1991) 32-33
fonts, 2/3 (1990) 50 5/3 (1993) 24, 44, 56, 58, 70-73
see also X server-fonts
fourth-generation language (4GL) *see* VAX RALLY
frame relay networks, 5/1 (1993) 99-106 *see also*
DECNIS 500/600
FRBS, 5/1 (1993) 99-100
standards, 5/1 (1993) 105-106
functional analysis, 5/4 (1993) 49

G

GEM compiler, 4/4 (1992) 121-136
architecture, 4/4 (1992) 121-122
branch instructions, 4/4 (1992) 133-134
code generation, 4/4 (1992) 127-132
engineering, 4/4 (1992) 134-135
field merging, 4/4 (1992) 132-133
optimization, 4/4 (1992) 124-127
order of processing, 4/4 (1992) 122-123
generalized semi-Markov process *see* GSMP
GIGAswitch system, 6/1 (1994) 9-22
clock card, 6/1 (1994) 16
design issues, 6/1 (1994) 10-16
FDDI line card, 6/1 (1994) 17-18
hardware, 6/1 (1994) 9-10
network management, 6/1 (1994) 20
performance measurements, 6/1 (1994) 20-21
switch control processor, 6/1 (1994) 16-17
testing, 6/1 (1994) 20
glyphs, 5/3 (1993) 10-11, 18, 21, 23, 56, 58, 64
Graphical Kernel System *see* VAX GKS
GSMP, 1/5 (1987) 96-98

H

Hierarchical Storage Controllers, 1/5 (1987) 8-9, 58
1/8 (1989) 8-37
buses, 1/8 (1989) 10
contention, 1/8 (1989) 26-31
fragment request blocks, 1/8 (1989) 18-22
hardware, 1/8 (1989) 9-10
interprocessor communication, 1/8 (1989) 10-18
latency, 1/8 (1989) 31-36
optimization techniques, 1/8 (1989) 8-9
performance, 1/8 (1989) 25-37
queuing, 1/8 (1989) 11-12
hot carriers, 4/2 (1992) 100-113
HOUSE benchmark, 3/4 (1991) 64
HSC *see* Hierarchical Storage Controllers

I

icons, 2/3 (1990) 46-50 5/3 (1993) 16-17
IMA *see* Interactive Multimedia Association

image compression, 5/2 (1993) 9, 19, 21-26
image processing, 6/2 (1994) 45
imaging, 5/2 (1993) 9, 41-42 3/4 (1991) 9-12
indexing, 5/2 (1993) 41, 43, 47, 51
information retrieval, 5/2 (1993) 8
inspection, 5/4 (1993) 10, 14-15, 47, 53
intensity factor, 3/1 (1991) 62
Interactive Multimedia Association, 5/2 (1993) 30
IOS *see* ALL-IN-1 Integrated Office System
I/O devices, 5/3 (1993) 58, 69-73, 98, 100, 104
iC technology, 3/4 (1991) 37, 38

J

Japanese language, 5/3 (1993) 9, 11, 48, 63-64, 97
Joint Photographic Experts Group *see* JPEG
journaling, 5/2 (1993) 52-53, 56
JPEG, 3/4 (1991) 22-23 5/2 (1993) 9, 66, 75

K

KAP preprocessor, 6/3 (1994) 57-70
parallelism mapping process, 6/3 (1994) 57-61
performance measurements, 6/3 (1994) 66-68
technology, 6/3 (1994) 61-65
keyboards, 5/3 (1993) 13, 68, 70, 97
Korean language, 5/3 (1993) 9, 63, 65
Kubota 3D imaging and graphics accelerator,
6/2 (1994) 34-45
volume rendering implementation, 6/2 (1994) 42-45

L

LANBridge 100, 1/3 (1986) 66-72
development, 1/3 (1986) 66-72
design goals, 1/3 (1986) 66-67
Ethernet interface, 1/3 (1986) 68
network address look-up, 1/3 (1986) 68-69
packet memory, 1/3 (1986) 69-70
processor logic, 1/3 (1986) 67-68
language, 5/3 (1993) 8-9
Language-Sensitive Editor, 1/6 (1988) 12-13, 28-39
background, 1/6 (1988) 28-31, 38
Edith, 1/6 (1988) 30-31
SCA, 1/6 (1988) 36-37
syntax support, 1/6 (1988) 31-35
LANs *see* local area networks
LAPS protocol *see* local area printserver protocol
LAST protocols, 4/1 (1992) 25, 28, 29, 30
LAT *see* local area transport
LiveLink connections, 2/1 (1990) 49-50
local area networks, 1/3 (1986) 54-72 5/2 (1993)
71-72, 75
application needs, 1/3 (1986) 54-56
bridges, 1/3 (1986) 59
extended architecture, 1/3 (1986) 59-66
bridges, 1/3 (1986) 64-66
goals, 1/3 (1986) 59-60
overview, 1/3 (1986) 61-62
performance, 1/3 (1986) 62-63

interconnection alternatives, 1/3 (1986) 57-58
overview, 1/3 (1986) 54
technology alternatives, 1/3 (1986) 56-57
local area printserver protocol, 3/4 (1991) 55-56
local area system transport protocols
see LAST protocols
local area transport, 1/3 (1986) 73-87
architecture, 1/3 (1986) 76-83
development, 1/3 (1986) 74-75
implementations, 1/3 (1986) 83-87
Local Area VAXcluster systems, 1/5 (1987) 8-10,
27-35, 57-68
availability, 3/3 (1991) 27-35
multiple-adapter support, 3/3 (1991) 27-31
network delay detection, 3/3 (1991) 31-32
network failure analysis, 3/3 (1991) 32-35
booting, 1/5 (1987) 65-67
configurations, 1/5 (1987) 57-58
Ethernet, 1/5 (1987) 9, 59-68
PEDRIVER, 1/5 (1987) 59-63
locking, 1/5 (1987) 47-49
Lotus 1-2-3, 5/3 (1993) 17-18
LSE *see* Language-Sensitive Editor

M

Macrocell Array *see* MCA III
magnetic disks, 5/2 (1993) 43, 45, 53, 54
magnetic recording technology, 1/8 (1989) 56-60
MAILbus, 1/9 (1989) 37, 42, 43
ManageWORKS, 6/4 (1994) 63-74
design, 6/4 (1994) 65-66
internals, 6/4 (1994) 68-73
user interface, 6/4 (1994) 66-68
Manufacturing Data Access *see* MDA
manufacturing systems, 5/2 (1993) 100-102
mapping, 5/3 (1993) 24-25, 43, 67
Mass Storage Control Protocol, 1/5 (1987) 15-16, 31,
58 1/8 (1989) 18-20
massively parallel processors *see* MPPs
MCA III, 2/4 (1990) 45-60
clock distribution chip, 2/4 (1990) 47-60
division chip, 2/4 (1990) 53-55
gate array, 2/4 (1990) 45-47
multiplication chip, 2/4 (1990) 50-53
self-timed RAM, 2/4 (1990) 58-60
self-timed register file chip, 2/4 (1990) 50, 51
vector register file chip, 2/4 (1990) 55-58
MDA, 1/4 (1987) 136-141
Megadoc, 5/2 (1993) 41-49
message handling system model, 1/9 (1989) 39-40
Message Router Transfer Service, 1/9 (1989) 40-41
metadata, 5/3 (1993) 40, 80-81
microprocessor operating modes, 4/1 (1992) 47-48
Microsoft LAN Manager, 4/1 (1992) 12, 27-28
redirector, 4/1 (1992) 27-28
Microsoft Networks/OpenNET Architecture, 1/9
(1989) 44-46
Microsoft Windows, 5/2 (1993) 41, 47-48, 108
Microsoft Windows operating modes, 4/1 (1992)
48-49

Microsoft Windows virtual device drivers, 4/1 (1992) 47, 51-55

MicroVAX II, 1/2 (1986) 37-65, 76-77, 100-105
 architecture, 1/2 (1986) 76-77
 CAD tools, 1/2 (1986) 45-47, 48-55
 interconnect and system verification, 1/2 (1986) 52-53
 logic and circuit simulation, 1/2 (1986) 52
 CPU board, 1/2 (1986) 37-47
 components, 1/2 (1986) 44-45
 functions, 1/2 (1986) 38-41
 memory subsystem, 1/2 (1986) 41-43
 single board design, 1/2 (1986) 38
 porting ULTRIX, 1/2 (1986) 100-105
 workstation, 1/2 (1986) 56-65
 User Interface Services, 1/2 (1986) 58-64
 display windows/viewports, 1/2 (1986) 61-62
 implementation, 1/2 (1986) 63-64
 mouse, 1/2 (1986) 62-63
 virtual displays, 1/2 (1986) 59-61
 virtual keyboards, 1/2 (1986) 62
 VCB01 hardware graphics controller, 1/2 (1986) 57
 VCB01 video device driver, 1/2 (1986) 58-59

MicroVAX 3100 Model 90, 4/3 (1992) 73-81
 design, 4/3 (1992) 73-81
 console, 4/3 (1992) 78-79
 CPU core, 4/3 (1992) 75-78
 design goals, 4/3 (1992) 73-74
 design tools, 4/3 (1992) 79-80
 diagnostics, 4/3 (1992) 78, 79
 I/O subsystem, 4/3 (1992) 78
 memory subsystem, 4/3 (1992) 78
 performance, 4/3 (1992) 80
 system overview, 4/3 (1992) 74

MicroVAX 3500/3600, 1/7 (1988) 79-86, 87-94
 processor module, 1/7 (1988) 79-86, 87-94
 CFPA chip, 1/7 (1988) 81 *see also* CFPA chip
 CPU, 1/7 (1988) 80-81 *see also* CVAX chip
 CQBIC, 1/7 (1988) 82-84 *see also* CQBIC
 design partitioning, 1/7 (1988) 80
 first-level cache, 1/7 (1988) 81, 88-89
 hardware interrupts, 1/7 (1988) 84-85
 KA650 *see* processor module
 memory controller, 1/7 (1988) 82
 overview, 1/7 (1988) 87-88
 performance, 1/7 (1988) 85
 reliability, 1/7 (1988) 85-86
 second-level cache, 1/7 (1988) 81-82, 89-90
 design, 1/7 (1988) 90-93
 performance, 1/7 (1988) 93-94
 system support functions, 1/7 (1988) 84
 technology, 1/7 (1988) 79-80
 testability, 1/7 (1988) 86

MicroVAX 4000 Model 90, 4/3 (1992) 82-91
 breadboard system, 4/3 (1992) 88-89
 components, 4/3 (1992) 83-84
 core, 4/3 (1992) 84-85
 design methodology, 4/3 (1992) 82-83
 graphics subsystem, 4/3 (1992) 86-87
 I/O subsystem, 4/3 (1992) 85-87

memory subsystem, 4/3 (1992) 84
 performance, 4/3 (1992) 89-90
 physical design, 4/3 (1992) 88

MicroVAX 78034 chip *see* CVAX chip

MOSAIC III (Motorola product), 2/4 (1990) 43-44, 45

Motion Picture Experts Group, 5/2 (1993) 9, 20, 33, 66, 75

MPEG *see* Motion Picture Experts Group

MPPs, 6/2 (1994) 8

MSCP *see* Mass Storage Control Protocol

M5-DOS files, 1/9 (1989) 46-47

multimedia, 3/4 (1991) 24-25

multiprotocol routing systems, 5/1 (1993) 70-83
see also DECNIS
 network management, 5/1 (1993) 76-78
 performance, 5/1 (1993) 78-80
 product overview, 5/1 (1993) 70-71
 routing algorithm stability, 5/1 (1993) 72-74
 software development, 5/1 (1993) 71-72

mx (ULTRIX MIPS translator) *see* binary translation—mx

N

NetBIOS, 4/1 (1992) 10-11, 29, 41

NetWare software, 4/1 (1992) 11

network basic I/O system *see* NetBIOS

network congestion, 5/2 (1993) 65, 71

network management, 1/3 (1986) 117-128 6/4 (1994) 63-74 5/1 (1993) 117-129
 distributed network management, 1/3 (1986) 118-122
 evolution, 1/3 (1986) 117-118
 future developments, 1/3 (1986) 127-128

network names, 1/9 (1989) 10-11

NMCC/DECnet Monitor, 1/3 (1986) 129-141
 design, 1/3 (1986) 129-141
 data evaluation, 1/3 (1986) 133
 data model, 1/3 (1986) 130-132
 kernel, 1/3 (1986) 130-136
 news function, 1/3 (1986) 132-133
 NMCC software, 1/3 (1986) 130
 reports package, 1/3 (1986) 140-141
 request/response operation, 1/3 (1986) 132
 requirements, 1/3 (1986) 129-130
 user interface, 1/3 (1986) 136-140
 action routines, 1/3 (1986) 137-139
 presentation modules, 1/3 (1986) 139-140

NVAX (integrated circuit), 4/3 (1992) 11-36, 38-46
 design, 4/3 (1992) 13-18, 38-46
 architectural design, 4/3 (1992) 13-18
 C-box, 4/3 (1992) 16-17
 E-box, 4/3 (1992) 15
 F-box, 4/3 (1992) 15, 19
 I-box, 4/3 (1992) 13, 15
 M-box, 4/3 (1992) 16
 pipeline operation, 4/3 (1992) 17-18
 electrical design, 4/3 (1992) 13
 logical verification, 4/3 (1992) 38-46
 bug tracking, 4/3 (1992) 44
 modeling, 4/3 (1992) 39
 prototype chip verification, 4/3 (1992) 44
 pseudorandom exercisers, 4/3 (1992) 39-42
 results, 4/3 (1992) 45-46

- schematic verification, 4/3 (1992) 43-44
- tests, 4/3 (1992) 42-43
- physical design, 4/3 (1992) 13
- design methodology, 4/3 (1992) 18-20, 24-35
- design challenges, 4/3 (1992) 26
- design evolution, 4/3 (1992) 18-20
- design goals, 4/3 (1992) 25-26
- floor plan techniques, 4/3 (1992) 28-29
- layout verification tools, 4/3 (1992) 31-34
- M3 (third metal layer), 4/3 (1992) 29-31
- performance model, 4/3 (1992) 26-27
- RTL model, 4/3 (1992) 26-27
- interfaces, 4/3 (1992) 12
- related CAD tools, 4/3 (1992) 35-36
- special features, 4/3 (1992) 21-22

NVAX+ *see* NVAX (integrated circuit)

O

Open Software Foundation *see* OSF

open systems interconnection *see* OSI

OpenVMS AXP, 4/4 (1992) 111-120, 5/4 (1993) 69

- architectural changes, 4/4 (1992) 113-117
- overview, 4/4 (1992) 111-112
- performance, 4/4 (1992) 117-120
- porting from VAX, 4/4 (1992) 111-120
- VAX MACRO-32 code, 4/4 (1992) 112-113

OpenVMS Management Station, 6/4 (1994) 75-88

- components, 6/4 (1994) 80-88
 - client component, 6/4 (1994) 80-82
 - communications component, 6/4 (1994) 82, 84-85
 - server component, 6/4 (1994) 85-88
- overview, 6/4 (1994) 75
- structure, 6/4 (1994) 78-80
- system configurations, 6/4 (1994) 76-78
- user accounts, 6/4 (1994) 75-76

optical disks, 5/2 (1993) 43, 44, 51, 53-54

OR mode memory, 3/4 (1991) 66, 67

ordering, 5/3 (1993) 43-50

OSF, 2/3 (1990) 32, 39-40, 39-40 5/2 (1993) 19, 108

OSF/1, 5/3 (1993) 32, 35

OSI, 5/1 (1993) 107-116

- FTAM, 5/1 (1993) 111-113
- standards, 5/1 (1993) 107

P

page layout, 3/4 (1991) 51-52

parallel vector processors *see* PVPs

parsing, 5/3 (1993) 43-50

PATHWORKS client-server workloads, 4/1 (1992) 68-75

- performance modeling, 4/1 (1992) 71-74

PATHWORKS for ULTRIX, 4/1 (1992) 31-39

- file server, 4/1 (1992) 31-39
 - configurations, 4/1 (1992) 38-39
 - file system, 4/1 (1992) 34-37
 - byte range locking, 4/1 (1992) 36
 - mapping, 4/1 (1992) 34-36
 - open mode locking, 4/1 (1992) 36-37

- management interface, 4/1 (1992) 33-34
- network interface, 4/1 (1992) 34
- performance, 4/1 (1992) 37-38
- printing, 4/1 (1992) 37
- process model, 4/1 (1992) 31-33
- security, 4/1 (1992) 38

PATHWORKS for VMS, 4/1 (1992) 15-23

- file server, 4/1 (1992) 15-23
 - architecture, 4/1 (1992) 15-16
 - configuration, 4/1 (1992) 22
 - file sharing, 4/1 (1992) 21-22
 - file system, 4/1 (1992) 16-18
 - byte range locking, 4/1 (1992) 17-18
 - mapping, 4/1 (1992) 16-18
 - PCSA_MANAGER utility, 4/1 (1992) 22
 - performance, 4/1 (1992) 18-20, 24-26
 - data caching, 4/1 (1992) 18-19
 - printing, 4/1 (1992) 21
 - security, 4/1 (1992) 20-21

PATHWORKS product family, 4/1 (1992) 8-15

6/4 (1994) 63-64

PATHWORKS transport interface, 4/1 (1992) 24-30

PBX facilities management *see* P/FM

PC Operating Systems, 4/1 (1992) 9-10

PEX, 2/3 (1990) 52-63

- data flow, 2/3 (1990) 54-55
- design requirements, 2/3 (1990) 53-54
- execution semantics, 2/3 (1990) 55-56
- rendering, 2/3 (1990) 56-58
- resources, 2/3 (1990) 56
- structure traversals, 2/3 (1990) 59-61

PHIGS/PHIGS+ extension to X *see* PEX

pixels, 3/4 (1991) 10 6/2 (1994) 34-35, 45

POLYCENTER Software Distribution, 6/4 (1994) 89-100

- design, 6/4 (1994) 90-91
- fetch operation, 6/4 (1994) 95-96
- initial system load, 6/4 (1994) 89, 91-94, 97-99
- install operation, 6/4 (1994) 96-97
- platforms, 6/4 (1994) 97-99
- software environment, 6/4 (1994) 89-90

Portable Operating System Interface for Computer Environments *see* POSIX

POSIX, 5/3 (1993) 32-33, 36-38, 46-47, 50

PrintServer 20, 3/4 (1991) 61, 62, 70-72

- performance, 3/4 (1991) 70-72

product performance metrics, 1/9 (1989) 78-79

Programmer's Hierarchical Interactive Graphical System *see* VAX PHIGS

Project Athena, 2/3 (1990) 10, 5/2 (1993) 66

pull-down menus, 2/3 (1990) 46-47, 50

pulse code modulation, 5/2 (1993) 28, 30

PVPs, 6/2 (1994) 8

P/FM, 1/3 (1986) 125-127

- evolution, 1/3 (1986) 126-127

Q

QIO interface, 4/1 (1992) 25, 26, 27, 29

questionnaires, 5/4 (1993) 22, 38, 61, 72-73

R

- RAID**, 6/4 (1994) 5-25
- Raytheon E²COTS system**, 6/2 (1994) 22-33
- built-in test, 6/2 (1994) 32-33
 - characteristics, 6/2 (1994) 23
 - parts selection, 6/2 (1994) 31-32
 - PCI I/O, 6/2 (1994) 31
 - planned upgrades, 6/2 (1994) 33
 - single module design, 6/2 (1994) 23-31
 - cooling, 6/2 (1994) 25, 27-29
 - design, 6/2 (1994) 23-24
 - space trade-offs, 6/2 (1994) 29-30
 - technical specifications, 6/2 (1994) 24
 - thermal trade-offs, 6/2 (1994) 30-31
 - VME 64 backplane bus, 6/2 (1994) 23, 24
- RA90**, 1/8 (1989) 46-56
- capacity, 1/8 (1989) 47-49
 - reliability, 1/8 (1989) 51-55
 - speed, 1/8 (1989) 49-51
 - system interface, 1/8 (1989) 55
- redundant arrays of inexpensive disks** *see* RAID
- reengineering**, 5/3 (1993) 53-54, 77, 85-88
- Reid-Kent protocol**, 3/4 (1991) 56, 59
- remote booting**, 1/9 (1989) 49-50
- remote procedure calls**, 5/2 (1993) 107 5/3 (1993) 37
- Remote System Manager** *see* RSM
- requirements definition**, 5/4 (1993) 19-20, 47-49
- resource managers**, 3/1 (1991) 13-14, 34
- definition, 3/1 (1991) 34
 - queue, 3/1 (1991) 13-14
 - recoverable, 3/1 (1991) 13
- RETrACE analysis system**, 3/4 (1991) 62-63, 66
- RetrievAll**, 5/2 (1993) 46-47
- RISC systems**, 2/2 (1990) 89-95
- compiler optimization, 2/2 (1990) 89-95
- routing architecture**, 5/1 (1993) 62-69
- data packet formats, 5/1 (1993) 62-63
 - routing protocols, 5/1 (1993) 64-68
 - IS-IS protocol, 5/1 (1993) 64-68
- RPC** *see* remote procedure calls
- RQDX3 (disk controller)**, 1/2 (1986) 66-75
- architecture, 1/2 (1986) 70-75
 - disk controller subsystem, 1/2 (1986) 74
 - memory subsystem, 1/2 (1986) 72-73
 - microprocessor subsystem, 1/2 (1986) 74
 - Q-bus subsystem, 1/2 (1986) 74
 - design, 1/2 (1986) 66-68
 - development, 1/2 (1986) 68-69
 - reliability and testing, 1/2 (1986) 69-70
- RSM**, 1/9 (1989) 29-36, 67-68 *see also* POLYCENTER Software Distribution
- backup and restore services, 1/9 (1989) 34-35
 - basic operation services, 1/9 (1989) 32
 - software distribution services, 1/9 (1989) 32-34
- RTLs**, 5/3 (1993) 53, 55-56, 69, 74
- run-time libraries** *see* RTLs
- ## S
- SCA**, 1/5 (1987) 7, 10-12, 22-28, 32, 39-41, 59, 63-65
- block data, 1/5 (1987) 10-12
 - buffer management, 1/5 (1987) 23-24
 - cluster configuration management, 1/5 (1987) 23
 - connection management, 1/5 (1987) 24-26, 32, 39-41
 - datagrams, 1/5 (1987) 10-12
 - directory services, 1/5 (1987) 26
 - layers, 1/5 (1987) 59, 63-65
 - messages, 1/5 (1987) 10, 12
 - performance measurements, 1/5 (1987) 28
- SCAN language**, 1/6 (1988) 40-46
- scanning**, 5/2 (1993) 42, 47, 50, 63
- scan-erase mode memory**, 3/4 (1991) 67, 68
- SCHEM benchmark**, 3/4 (1991) 64
- scroll bars**, 2/3 (1990) 47, 49-51
- SCSI-2**, 6/4 (1994) 5-11, 17, 23-25
- SEI** *see* Software Engineering Institute
- server message block protocol** *see* SMB protocol
- shadowing** *see* volume shadowing
- SMB protocol**, 4/1 (1992) 15, 28, 40
- SMB server symbiont interface**, 3/4 (1991) 49
- SMP** *see* software motion pictures
- SMT standard**, 3/2 (1991) 43-47
- CMT, 3/2 (1991) 43-45
 - frame-based services, 3/2 (1991) 46-47
 - ring management, 3/2 (1991) 45-46
- SNA**, 1/3 (1986) 37-43, 1/9 (1989) 87
- overview, 1/3 (1986) 37-39
 - product architecture, 1/3 (1986) 41-43
- SOC processor**, 3/4 (1991) 65-66
- software development**, 5/4 (1993) 9, 47, 59, 62
- software development environment**, 1/6 (1988) 10-19, 48
- software life cycle, 1/6 (1988) 10-15, 48
 - tools, 1/6 (1988) 11-18
- Software Engineering Institute**, 5/4 (1993) 59-60
- software localization**, 5/3 (1993) 8, 53-54, 77, 85
- software metrics**, 5/4 (1993) 55-56, 65-66, 70
- software motion pictures**, 5/2 (1993) 19-26, 61
- software productivity**, 1/6 (1988) 20-27, 51
- 5/4 (1993) 59
 - background, 1/6 (1988) 20-22
 - definition, 1/6 (1988) 51
 - metrics, 1/6 (1988) 23-27
 - tools, 1/6 (1988) 22-23
- software quality**, 5/4 (1993) 11, 59, 69-70
- software testing**, 6/4 (1994) 64, 72
- software usability engineering**, 1/6 (1988) 119, 125-133
- evolutionary delivery, 1/6 (1988) 129-130
 - of VAX NOTES, 1/6 (1988) 119
 - processes, 1/6 (1988) 125-126
 - usability specifications, 1/6 (1988) 127-129
- Sound Picture Information Networks** *see* SPIN
- source code**, 5/3 (1993) 88-89
- SPIN**, 5/2 (1993) 65
- SQL**, 5/2 (1993) 51, 59 5/3 (1993) 80-82
- SSC chip**, 1/7 (1988) 121-128
- console and boot code support, 1/7 (1988) 122-124
 - project goals, 1/7 (1988) 121-122
 - timers, 1/7 (1988) 125-126
 - UARTs, 1/7 (1988) 124-125

Standard Query Language *see* SQL
standards

- CCITT group 3 and group 4 standards, *3/4 (1991)* 10, 13, 17
- CCITT X.400 Recommendations, *1/9 (1989)* 42
- DoD-STD-2167A, *5/4 (1993)* 49
- GKS *see* VAX GKS
- IEEE 802, *3/2 (1991)* 11
- ISO 10646, *5/3 (1993)* 15, 21–22, 37–38, 44, 50, 56, 85
- ISO 2022, *5/3 (1993)* 26, 28, 66–67, 81–82, 85
- ISO 6937, *5/3 (1993)* 48
- ISO 8571 FTAM, *5/1 (1993)* 111–113
- ISO 8859, *5/3 (1993)* 24–25, 34–35, 48
- ISO 9040, *5/1 (1993)* 113–115
- ISO 9041, *5/1 (1993)* 113–115
- ISO 9542 protocol, *1/9 (1989)* 55–59
- ISO/IEC 3166, *5/3 (1993)* 37
- ISO/IEC 639, *5/3 (1993)* 37
- ISO/IEC 9075, *5/3 (1993)* 80
- ISO/IEC 9579, *5/3 (1993)* 84
- ISO/IEC 9899, *5/3 (1993)* 32, 58
- ISO/IEC 9945, *5/3 (1993)* 32, 36, 46
- OSI *see* DECnet
- PHIGS *see* VAX PHIGS
- static imaging, *3/4 (1991)* 11–12
- station management standard *see* SMT standard
- stations, *3/2 (1991)* 12–15, 20, 68–69
- storage technology, *5/2 (1993)* 52–53, 58
- StorageWorks, *6/4 (1994)* 5–25
 - availability, *6/4 (1994)* 5–17
 - open systems capability, *6/4 (1994)* 5–7
 - performance, *6/4 (1994)* 17–25
- symmetric multiprocessing *see* VMS SMP
- System Communication Architecture *see* SCA
- system management, *1/9 (1989)* 30, 28
 - definition, *1/9 (1989)* 28
- system support chip *see* SSC chip
- Systems Network Architecture *see* SNA

T

- TCP/IP, *4/1 (1992)* 11, 13 *5/2 (1993)* 70, 104, 107
- TCP/IP networking, *5/1 (1993)* 44–61
 - experiments, *5/1 (1993)* 56–58
 - OSF/1, *5/1 (1993)* 46–49
- TeamLinks, *5/4 (1993)* 18–35
 - development, *5/4 (1993)* 21–34
 - overview, *5/4 (1993)* 18–21
- teleconferencing, *5/2 (1993)* 8, 44, 65–66 *5/4 (1993)* 38
- TELEPRO *see* voice management
- test programs, *1/9 (1989)* 51
- text editing, *5/3 (1993)* 29, 69, 76, 86
- text formatting, *5/3 (1993)* 13–16, 27–28
- text processing, *5/3 (1993)* 24–29, 56–58, 97–98
- Thai language, *5/3 (1993)* 9–10
- thin film heads, *1/8 (1989)* 74–80
 - Kerr effect, *1/8 (1989)* 75–77
- throughput, *1/5 (1987)* 81
- TIE *see* binary translation—TIE
- title bars, *2/3 (1990)* 47–50

TK50, *1/2 (1986)* 86–98

- compacTape cartridge, *1/2 (1986)* 87–89
- design, *1/2 (1986)* 86–87
- Q-bus controller, *1/2 (1986)* 95–98
- tape transport, *1/2 (1986)* 89–95
- transaction processing, *3/1 (1991)* 10, 18
- transaction processing model, *3/1 (1991)* 38–39
- transaction processing monitors, *3/1 (1991)* 18–32
 - see also* DECintact
- transaction processing systems, *3/1 (1991)* 45–58, 64
 - performance, *3/1 (1991)* 45–57
 - comprehensive analytical model, *3/1 (1991)* 52–57
 - TPC Benchmark A, *3/1 (1991)* 46–52
 - sizing, *3/1 (1991)* 58, 64
- transactions, *3/1 (1991)* 10, 15, 34, 60, 70
- transient faults, *3/1 (1991)* 82, 84
- transmission control protocol/Internet protocol
 - see* TCP/IP
- Turbo PrintServer 20 Controller
 - design, *3/4 (1991)* 61–70
 - hardware design, *3/4 (1991)* 66–69
 - performance, *3/4 (1991)* 70–72
- two-phase commit operations, *3/1 (1991)* 15–16
- two-phase commit protocol, *3/1 (1991)* 35–37

U

- UID file, *2/3 (1990)* 37–38, 40–42
- UIS *see* MicroVAX II—workstation—User Interface Services
- ULTRIX, *3/2 (1991)* 85–86
- Unicode, *5/3 (1993)* 21–31, 38, 56–57, 85
- universal transmission format, *5/3 (1993)* 28, 38, 59
- UNIX, *1/2 (1986)* 99–100
- User Interface Language, *2/3 (1990)* 34–43
 - history, *2/3 (1990)* 34–35
- user interfaces, *5/3 (1993)* 16, 74–76, 98–100
- UTF *see* universal transmission format

V

- VALU *see* VTX-VALU
- VAX COBOL GENERATOR, *1/6 (1988)* 101–109
 - advanced development, *1/6 (1988)* 101–103
 - data dictionary, *1/6 (1988)* 105
 - product development, *1/6 (1988)* 103–107
 - testing, *1/6 (1988)* 107–108
- VAX DBMS, *1/8 (1989)* 88–98, *3/1 (1991)* 65
 - database recovery, *1/8 (1989)* 92–94
 - journaling, *1/8 (1989)* 94–98
 - on-line backup, *1/8 (1989)* 98
- VAX DEC/Test Manager, *1/6 (1988)* 110–116
 - design requirements, *1/6 (1988)* 111–113
 - implementation, *1/6 (1988)* 115
 - overview, *1/6 (1988)* 110–111
 - tools, *1/6 (1988)* 111
- VAX Distributed File Service *see* DFS
- VAX Distributed File Service server *see* DFS server
- VAX Distributed Name Service *see* DNS
- VAX GKS, *1/6 (1988)* 62–70
 - Base Graphics Architecture, *1/6 (1988)* 65–69
 - graphics standard, *1/6 (1988)* 62–64

- VAX instruction set, 1/2 (1986) 13-14, 76-85
 repartitioning, 1/2 (1986) 13-14
 software emulation, 1/2 (1986) 76-85
 design, 1/2 (1986) 77-79, 80-82
 testing, 1/2 (1986) 79-80, 82-84
- VAX Message Router, 1/9 (1989) 37, 41-42
 interface routines (MRIF), 1/9 (1989) 41-42
- VAX NOTES, 1/6 (1988) 117-124, 127-128
 development, 1/6 (1988) 119-123
 history, 1/6 (1988) 117
 usability engineering, 1/6 (1988) 119
 usability specifications, 1/6 (1988) 127-128
- VAX PHIGS, 1/6 (1988) 62-70
 Base Graphics Architecture, 1/6 (1988) 65-69
 graphics standard, 1/6 (1988) 63-64
- VAX RALLY, 1/6 (1988) 71-79
 design, 1/6 (1988) 71-72
- VAX Rdb/VMS, 1/8 (1989) 99-109, 3/1 (1991) 65
see also DEC Rdb
 architecture, 1/8 (1989) 99-101
 backups, 1/8 (1989) 107-108
 clustering, 1/8 (1989) 105-106
 hash indices, 1/8 (1989) 101-103
 partitioning, 1/8 (1989) 103-105
 query optimization, 1/8 (1989) 106-107
- VAX SCAN, 1/6 (1988) 40-50
 software productivity, 1/6 (1988) 46-48
 tools, 1/6 (1988) 49-50
- VAX Source Code Analyzer *see* SCA
- VAX vector processing, 2/2 (1990) 11-12
- VAX VTX Application Link Utilities *see* VTX-VALU
- VAX 4000 Model 100, 4/3 (1992) 73-81
 design, 4/3 (1992) 73-81
 console, 4/3 (1992) 78-79
 CPU core, 4/3 (1992) 75-78
 design tools, 4/3 (1992) 79-80
 diagnostics, 4/3 (1992) 78, 79
 goals, 4/3 (1992) 73-74
 I/O subsystem, 4/3 (1992) 78
 memory subsystem, 4/3 (1992) 78
 performance, 4/3 (1992) 80
 system overview, 4/3 (1992) 74
- VAX 4000 Models 400, 500 and 600, 4/3 (1992) 60-72
 design, 4/3 (1992) 60-72
 CPU module, 4/3 (1992) 61-64
 module testing, 4/3 (1992) 66-67
 MS690 memory module, 4/3 (1992) 70-71
 NCA (integrated circuit), 4/3 (1992) 69-70
 NMC (integrated circuit), 4/3 (1992) 67-69
 printed wiring board, 4/3 (1992) 64-66
 performance, 4/3 (1992) 71-72
 system overview, 4/3 (1992) 61
- VAX 6000, 4/3 (1992) 92-104
 error handling, 4/3 (1992) 92-104
 correctable memory errors, 4/3 (1992) 101-102
 development, 4/3 (1992) 92-93
 error rate checking, 4/3 (1992) 94-95
 message facility, 4/3 (1992) 94
 model, 4/3 (1992) 95-98
 support, 4/3 (1992) 98-101
 symmetric multiprocessing paradigm, 4/3 (1992) 93-94
 testing, 4/3 (1992) 103
 uncorrectable memory errors, 4/3 (1992) 102-103
- VAX 6000 Model 400, 2/2 (1990) 13-71, 73-83
 chip set, 2/2 (1990) 36-51
 CLK clock chip, 2/2 (1990) 48-51
 CMOS technology, 2/2 (1990) 38-39
 CPU chip (REX520), 2/2 (1990) 39-42
 pipeline, 2/2 (1990) 40-42
 design, 2/2 (1990) 37-38
 floating point accelerator chip (F-chip), 2/2 (1990) 43-46
 functional design verification, 2/2 (1990) 64-71
 bugs analysis, 2/2 (1990) 69-70
 simulation models, 2/2 (1990) 64-67
 verification strategies, 2/2 (1990) 67-69
 RSSC system support chip, 2/2 (1990) 48
 VC vector and cache controller chip, 2/2 (1990) 46-48
 physical technology, 2/2 (1990) 52-63
 chip packaging, 2/2 (1990) 55-57
 multilayer ceramic packaging, 2/2 (1990) 56-57
 tape-automated bonding technology, 2/2 (1990) 55-56
 module technology, 2/2 (1990) 57-61
 module design, 2/2 (1990) 60-61
 printed wiring board technology, 2/2 (1990) 57-59
 surface-mount assembly technology, 2/2 (1990) 59-60
 requirements, 2/2 (1990) 53-54
 test technology, 2/2 (1990) 61-63
- scalar processor module (XRP), 2/2 (1990) 27-35
 cache coherence, 2/2 (1990) 31-32
 caches, 2/2 (1990) 29-30
 design, 2/2 (1990) 27-28
 performance, 2/2 (1990) 34-35
 REXMI, 2/2 (1990) 30, 31
 signal integrity, 2/2 (1990) 32-34
 subsections, 2/2 (1990) 28-29
 XMI interface, 2/2 (1990) 30-31
- test and qualification, 2/2 (1990) 73-83
 AXE and MAX tests, 2/2 (1990) 79-80
 configuration selection and test, 2/2 (1990) 80-82
 design verification tests, 2/2 (1990) 77
 field test, 2/2 (1990) 77-78
 interactive test method, 2/2 (1990) 82
 reliability confidence test, 2/2 (1990) 76-77
 system test, 2/2 (1990) 75-76
- vector processor, 2/2 (1990) 13-26
 arithmetic pipeline, 2/2 (1990) 14-15
 load/store unit, 2/2 (1990) 15-16
 performance measurements, 2/2 (1990) 16-26
 algorithm optimization, 2/2 (1990) 20-26
 equation solvers, 2/2 (1990) 20-24
 fast Fourier transforms, 2/2 (1990) 24-26
 chaining, 2/2 (1990) 17-18
 instruction overlap, 2/2 (1990) 16-17
 vector control chip, 2/2 (1990) 13-14
- VAX 6000 Model 600, 4/3 (1992) 47-59, 100-101
 design goals, 4/3 (1992) 47
 error handling support, 4/3 (1992) 100-101

- module-related issues, 4/3 (1992) 55-59
 - backup cache size, 4/3 (1992) 56
 - ROMBUS, 4/3 (1992) 56-58
 - signal integrity, 4/3 (1992) 58
 - thermal management, 4/3 (1992) 58-59
- NEXMI support chip, 4/3 (1992) 49-55
 - design, 4/3 (1992) 52-55
 - behavioral modeling, 4/3 (1992) 52-53
 - semicustom design flow, 4/3 (1992) 53-55
 - structural design, 4/3 (1992) 52
 - processor module, 4/3 (1992) 48-49
 - verification, 4/3 (1992) 55
- VAX 6200 family, 1/7 (1988) 10-27, 33-45, 47-56, 64-77
 - built-in self-test, 1/7 (1988) 17
 - cache coherence, 1/7 (1988) 41-43
 - cache error conditions handling, 1/7 (1988) 43,
 - console, 1/7 (1988) 16-17
 - CPU design alternatives, 1/7 (1988) 33-38
 - cache subsystem, 1/7 (1988) 35-36
 - duplicate tag store, 1/7 (1988) 37-38
 - write-buffer subsystem, 1/7 (1988) 36-37
 - CPU module, 1/7 (1988) 12-14
 - design, 1/7 (1988) 48-56
 - computer-aided engineering, 1/7 (1988) 48-56
 - functional test methods, 1/7 (1988) 53-54
 - modeling, 1/7 (1988) 49-50
 - results, 1/7 (1988) 55
 - verification, 1/7 (1988) 50-53
 - memory module, 1/7 (1988) 24-26
 - VAXBI channel adapter, 1/7 (1988) 25-26
 - multiprocessor design, 1/7 (1988) 30-33
 - overview, 1/7 (1988) 10-18, 47-48
 - packaging, 1/7 (1988) 17, 26-27
 - performance, 1/7 (1988) 43-45, 71-78
 - multiprocessor performance, 1/7 (1988) 77-78
 - multistream batch performance, 1/7 (1988) 73-77
 - single-stream performance, 1/7 (1988) 71-73
 - performance simulation, 1/7 (1988) 38-41
 - power, 1/7 (1988) 27
 - processor module, 1/7 (1988) 23-24
 - project goals, 1/7 (1988) 19-20
 - system architecture, 1/7 (1988) 10-11, 29-30
 - system interconnect *see* XMI
 - workload development, 1/7 (1988) 64-71
 - multistream batch jobs, 1/7 (1988) 65
 - multiuser workload development, 1/7 (1988) 65-71
 - data analysis, 1/7 (1988) 66-67
 - data collection, 1/7 (1988) 66
 - workload validation, 1/7 (1988) 67-71
 - single stream benchmarks, 1/7 (1988) 65
- XMI, 1/7 (1988) 15-16, 20-23
 - electrical interface definition, 1/7 (1988) 21
 - physical definition, 1/7 (1988) 22-23
 - protocol definition, 1/7 (1988) 21-22
- VAX 8600 system, 1/1 (1985) 6-76
 - console, 1/1 (1985) 9, 17
 - cooling, 1/1 (1985) 66-70
 - component thermal design, 1/1 (1985) 68-70
 - module thermal design, 1/1 (1985) 67-68
 - E-box, 1/1 (1985) 8, 10-11, 26
 - microcode, 1/1 (1985) 17
 - F-box, 1/1 (1985) 9, 15-17, 26, 43-53
 - arithmetic algorithm processing, 1/1 (1985) 46-50
 - floating point formats, 1/1 (1985) 43-45
 - MCAs, 1/1 (1985) 45-46
 - microcode, 1/1 (1985) 50-53
 - I-box, 1/1 (1985) 8, 11-13, 26, 32-42
 - I/O system, 1/1 (1985) 9, 17-18
 - M-box, 1/1 (1985) 8, 13-15, 25-26
 - noise, 1/1 (1985) 62-65
 - packaging, 1/1 (1985) 22-23, 54-60
 - backplanes, 1/1 (1985) 58
 - devices, 1/1 (1985) 57
 - modules, 1/1 (1985) 57-58
 - thermal design, 1/1 (1985) 55-57
 - performance measurements, 1/1 (1985) 18-21
 - pipelined instruction processing, 1/1 (1985) 18-19, 27-42
 - example, 1/1 (1985) 40-41
 - model, 1/1 (1985) 27-32
 - stages, 1/1 (1985) 32, 33-35
 - reliability, 1/1 (1985) 21-22, 71-76
 - fault avoidance, 1/1 (1985) 71-73, 74
 - fault minimization, 1/1 (1985) 74, 75-76
 - fault tolerance, 1/1 (1985) 73-74, 75
 - mean time to repair, 1/1 (1985) 74, 76
 - signal integrity, 1/1 (1985) 61-65
- VAX 8800 family, 1/4 (1987) 10-141
 - C-box, 1/4 (1987) 14-15, 41-51
 - CAD development, 1/4 (1987) 129-135
 - design methodology, 1/4 (1987) 130-135
 - timing verification, 1/4 (1987) 131-132
 - clock system, 1/4 (1987) 17, 34-40
 - design requirements, 1/4 (1987) 34
 - timing verification, 1/4 (1987) 37-40
 - design, 1/4 (1987) 10-12
 - E-box, 1/4 (1987) 15-16, 62-65
 - floating point, 1/4 (1987) 62-71
 - floating point formats, 1/4 (1987) 62-65
 - performance, 1/4 (1987) 70-71
 - grounding scheme, 1/4 (1987) 88-99
 - ground conducted noise, 1/4 (1987) 88-93
 - ground structures, 1/4 (1987) 93-95
 - I-box, 1/4 (1987) 14
 - I/O system, 1/4 (1987) 72-80
 - NBI adapter, 1/4 (1987) 74-75
 - M-box, 1/4 (1987) 16-17
 - memory system, 1/4 (1987) 52-61
 - architecture, 1/4 (1987) 53-57
 - design requirements, 1/4 (1987) 57-59
 - microarchitecture, 1/4 (1987) 20-33
 - definition, 1/4 (1987) 20
 - multiprocessing, 1/4 (1987) 111-119
 - hardware, 1/4 (1987) 113-114
 - history, 1/4 (1987) 115
 - software, 1/4 (1987) 114-115
 - NMI Bus, 1/4 (1987) 17-18, 72
 - overview, 1/4 (1987) 10-19
 - parallel processing, 1/4 (1987) 120-128
 - CAYENNE, 1/4 (1987) 127-128
 - methodology, 1/4 (1987) 121-125
 - SPICE, 1/4 (1987) 125

- performance simulator, *1/4 (1987) 100-110*
 - hardware, *1/4 (1987) 104-108*
 - performance measurements, *1/4 (1987) 108-109*
 - performance model, *1/4 (1987) 100-104, 107-108*
- reliability, *1/4 (1987) 18-19*
- VAXBI Bus, *1/4 (1987) 18, 72-73, 81-87*
 - description, *1/4 (1987) 81*
 - electrical design, *1/4 (1987) 83-85*
- VAX 8974, *1/5 (1987) 80-92*
 - system level performance, *1/5 (1987) 80-92*
 - scientific environment, *1/5 (1987) 81-85*
 - transaction processing environment, *1/5 (1987) 85-92*
- VAX 8978, *1/5 (1987) 80-92*
 - system level performance, *1/5 (1987) 80-92*
 - scientific environment, *1/5 (1987) 81-85*
 - transaction processing environment, *1/5 (1987) 85-92*
- VAX 9000 system, *2/4 (1990) 13-141*
 - architecture, *2/4 (1990) 25-42*
 - E box, *2/4 (1990) 25-42*
 - I box, *2/4 (1990) 25-42*
 - M box, *2/4 (1990) 25-42*
 - design, *2/4 (1990) 13-24, 118-129*
 - CAD, *2/4 (1990) 14-15*
 - error handling, *2/4 (1990) 21-22*
 - instruction processing, *2/4 (1990) 15-21*
 - methodologies, *2/4 (1990) 118-120*
 - overview, *2/4 (1990) 13*
 - physical design process, *2/4 (1990) 125-127*
 - problems, *2/4 (1990) 127-128*
 - results, *2/4 (1990) 128-129*
 - SID database, *2/4 (1990) 120-125*
 - fault detection and isolation, *2/4 (1990) 130-141*
 - HDSC (high density signal carrier), *2/4 (1990) 80-83*
 - Multichip Unit (MCU), *2/4 (1990) 80, 83-89*
 - TAB, *2/4 (1990) 84-86*
 - performance improvements, *2/4 (1990) 13-15*
 - performance measurements, *2/4 (1990) 24, 77-78*
 - performance modeling, *2/4 (1990) 22-23*
 - power system, *2/4 (1990) 102-117*
 - architecture, *2/4 (1990) 103-106*
 - control and monitoring, *2/4 (1990) 109-113*
 - harmonic distortion, *2/4 (1990) 106-107*
 - load sharing, *2/4 (1990) 107-109*
 - simulation, *2/4 (1990) 113-117*
 - semiconductor technology, *2/4 (1990) 43-44*
 - service processor unit (SPU), *2/4 (1990) 90-101*
 - architecture, *2/4 (1990) 91-94*
 - debugging features, *2/4 (1990) 94-98*
 - error handling, *2/4 (1990) 98-101*
 - VAX instructions, *2/4 (1990) 25-42*
 - vector processing, *2/4 (1990) 21, 61-78*
 - vector architecture, *2/4 (1990) 61-62*
 - vector execution model, *2/4 (1990) 62-66*
 - V-box overview, *2/4 (1990) 67-77*
- VAXclusters, *1/5 (1987) 7-10, 14-20, 30-39, 45-55*
 - 3/3 (1991) 16-26, 46-49, 56, 69-78*
 - 1/8 (1989) 29-44, 88-98*
 - application design, *3/3 (1991) 16-26*
 - choices and methods, *3/3 (1991) 16-18, 23-25*
 - availability, *1/5 (1987) 7, 69, 72-78*
 - 1/8 (1989) 88-98*
 - modeling, *1/5 (1987) 74-78*
 - cache management, *1/5 (1987) 49-55*
 - buffers, *1/5 (1987) 49-53*
 - configurations, *1/5 (1987) 71-72*
 - definition, *1/5 (1987) 7, 3/3 (1991) 16, 56*
 - design and implementation, *3/3 (1991) 18-22*
 - disk sharing, *1/8 (1989) 89-90*
 - distributed file system, *1/5 (1987) 45-55*
 - failures, *1/5 (1987) 70-71*
 - hardware structure, *1/5 (1987) 8, 69-70*
 - lock manager, *1/5 (1987) 17-18, 29-44, 46-49*
 - 1/8 (1989) 90-92*
 - deadlock detection, *1/5 (1987) 41-43*
 - definition, *1/5 (1987) 30-32*
 - operation, *1/5 (1987) 32-39, 46-49*
 - performance measurements, *1/5 (1987) 20*
 - queuing, *1/5 (1987) 30-32*
 - software, *1/5 (1987) 16-19*
 - synchronization, *1/5 (1987) 46-48*
- VAXft3000, *3/1 (1991) 79-85*
 - fault-insertion techniques, *3/1 (1991) 81-85*
 - fault-tolerance, *3/1 (1991) 79-81*
- VAXsimPLUS, *1/8 (1989) 38-45*
 - diagnose function, *1/8 (1989) 40-42*
 - error detection, *1/8 (1989) 39-40*
 - fault management, *1/8 (1989) 38-39*
 - recover function, *1/8 (1989) 42-44*
 - reporting, *1/8 (1989) 44-45*
- VEST *see* binary translation—VEST
- video compression, *3/4 (1991) 22-23*
- video processing, *5/2 (1993) 9, 11*
- videoconferencing, *5/2 (1993) 65-75, 5/4 (1993) 38, 44*
- virtual device drivers, *4/1 (1992) 49-51*
- VMS files, *1/9 (1989) 46-47*
- VMS SMP, *1/7 (1988) 57-63*
 - development, *1/7 (1988) 58-63*
 - device affinity, *1/7 (1988) 62-63*
 - interrupt stacks, *1/7 (1988) 61*
 - IPLs, *1/7 (1988) 58-59*
 - mutexes, *1/7 (1988) 58*
 - per-CPU context areas, *1/7 (1988) 60-61*
 - process affinity, *1/7 (1988) 61-62*
 - spinlocks, *1/7 (1988) 59-60*
 - translation buffer invalidation, *1/7 (1988) 61*
 - hardware, *1/7 (1988) 57-58*
- VMS Workstation Software (VWS), *2/3 (1990) 45-46*
- voice management, *1/3 (1986) 125-127* *see also* P/FM
- volume data sets, *6/2 (1994) 36-37*
- volume rendering, *6/2 (1994) 35-36, 37-45* *see also*
 - Kubota 3D imaging and graphics accelerator-volume rendering implementation
 - techniques, *6/2 (1994) 39-42*
 - isosurface rendering, *6/2 (1994) 40-41*
 - maximum intensity projection, *6/2 (1994) 41-42*
 - multiplanar reformatting, *6/2 (1994) 40*
 - ray sum, *6/2 (1994) 42*
- volume shadowing, *3/3 (1991) 7-15, 6/1 (1994) 36-52*
 - components and primitives, *3/3 (1991) 10-11*
 - configurations, *3/3 (1991) 8-9*
 - definition, *3/3 (1991) 7*

- in a VAXcluster environment, *3/3 (1991)* 8–10
- porting to OpenVMS AXP, *6/1 (1994)* 36–52
 - change inspections, *6/1 (1994)* 41–42
 - process challenges, *6/1 (1994)* 37–38
 - process effectiveness, *6/1 (1994)* 38–41
 - process enhancements, *6/1 (1994)* 38
 - process improvement, *6/1 (1994)* 48–50
 - productivity increases, *6/1 (1994)* 51–52
 - release criteria, *6/1 (1994)* 39
 - testing, *6/1 (1994)* 42–48
 - profile testing, *6/1 (1994)* 43, 45, 46, 47–48
 - test complexity, *6/1 (1994)* 44
 - test domain, *6/1 (1994)* 43
 - test environment, *6/1 (1994)* 44–47
 - test factors, *6/1 (1994)* 43–44
 - steady state processing, *3/3 (1991)* 11–12
 - transient state processing, *3/3 (1991)* 12–15
- voxels, *6/2 (1994)* 34–35, 47
- VTX, *1/6 (1988)* 80–90
 - design challenges, *1/6 (1988)* 80–81
 - distributed architecture, *1/6 (1988)* 81–83
 - tools, *1/6 (1988)* 84–88
 - VAS, *1/6 (1988)* 86–88
 - VISTA, *1/6 (1988)* 84–85
 - VALU, *1/6 (1988)* 80–84, 88–90
- VT1000, *3/4 (1991)* 30, 31, 32–33
- VT1200, *3/4 (1991)* 17, 18, 29, 30, 33, 34
- VT1300, *3/4 (1991)* 33, 34
- VXT 2000, *3/4 (1991)* 33–34

W

- WAVE tools base, *1/9 (1989)* 51–60
- WFMS *see* workflow management system
- widgets *see* XUI toolkit
- willing-to-wait design, *3/1 (1991)* 75–77
- Window systems, *5/2 (1993)* 24, *6/4 (1994)* 50–62
- Windows NT, *5/3 (1993)* 21, 29–30
- workflow management system, *6/4 (1994)* 26–49
 - concepts, *6/4 (1994)* 28–29
 - definition, *6/4 (1994)* 26
 - history, *6/4 (1994)* 27–28
 - Policy Definition Language, *6/4 (1994)* 39–42
 - Policy Resolution Architecture, *6/4 (1994)* 33, 35–39
 - policy resolution engine, *6/4 (1994)* 43–44
 - travel expense reimbursement example, *6/4 (1994)* 29–32
- workload classes, *4/1 (1992)* 69, 72–73
 - definition, *4/1 (1992)* 69
- workloads, *4/1 (1992)* 69, 72
 - definition, *4/1 (1992)* 69
- WORM, *5/2 (1993)* 41–45, 48, 53–55
- writing, *5/3 (1993)* 9–13, 64–65, 97

X

- X image extension protocol *see* XIE protocol
- X protocol, *2/3 (1990)* 10, 16 *4/1 (1992)* 56–57
- X server, *2/3 (1990)* 10, 12–13, 17–22
 - C (Language), *2/3 (1990)* 17, 22
 - DDX (device-dependent X), *2/3 (1990)* 17–20
 - DIX (device-independent X), *2/3 (1990)* 17–19

- fonts, *2/3 (1990)* 20–22
- I/O devices, *2/3 (1990)* 18–19
 - operating system layer, *2/3 (1990)* 19
 - shared data structure, *2/3 (1990)* 18
- X terminals, *3/4 (1991)* 26–35 *see also* X Window System
- X toolkit intrinsics, *2/3 (1990)* 11, 24, 27, 29
- X user interface *see* XUI
- X Window System, *2/3 (1990)* 9–10, 16, 26, 27
 - 5/2 (1993)* 21, 52–53 *3/4 (1991)* 26, 66 *see also* X terminals
- XDPS *see* Display PostScript System
- Xlib, *2/3 (1990)* 11, *3/4 (1991)* 27, 13 *see also* XUI toolkit
- XUI style, *2/3 (1990)* 44–51
- XUI Style Guide, *2/3 (1990)* 13–14, 27, 45
- XUI toolkit, *2/3 (1990)* 11–13, 24–34
 - design, *2/3 (1990)* 25–29
 - gadgets, *2/3 (1990)* 30, 42
 - widgets, *2/3 (1990)* 11, 13, 24–27, 34–43
 - callbacks, *2/3 (1990)* 36–38
 - X resource manager (XRM), *2/3 (1990)* 40–41
- X11 protocol, *2/3 (1990)* 16, 21–22
- X/Open, *5/3 (1993)* 32–33, 36

Y

- yield enhancement, *4/2 (1992)* 83–99
 - single layer yield model, *4/2 (1992)* 89–92
 - test chip, *4/2 (1992)* 84–89
 - yield forecasting, *4/2 (1992)* 94–97
 - yield methodology, *4/2 (1992)* 83–84
- 78032 (integrated circuit), *1/2 (1986)* 12–23
 - caches, *1/2 (1986)* 15
 - CAD tools and design, *1/2 (1986)* 16
 - functional organization, *1/2 (1986)* 16–19
- 78132 (integrated circuit), *1/2 (1986)* 24–36
 - architecture, *1/2 (1986)* 26–30
 - electromigration, *1/2 (1986)* 35
 - interface with 78032, *1/2 (1986)* 30–32
 - performance measurements, *1/2 (1986)* 32
 - physical description, *1/2 (1986)* 24
 - power routing, *1/2 (1986)* 34–35
 - wiring, *1/2 (1986)* 34–36

Volume Listing

Volume 6, Number 4

"The Architecture and Design of HS-series StorageWorks Array Controllers"

Stephen J. Sicola

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Richard L. Sites

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R. Neil Faiman, Jr., Kent D. Glossop, Richard B. Grove,
Steven O. Hobbs, and William B. Noyce

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to the Alpha AXP Platform"**

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G. Michael Uhler, Debra Bernstein, Larry L. Biro, John
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Walker Anderson

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Lawrence Chisvin, Gregg A. Bouchard, and
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Gerd Nanz, Llanda M. Richardson, Christian O. Schiebl,
Hamid R. Soleimani, and Martin Thurner

**"CMOS-4 Technology for Fast Logic and Dense
On-chip Memory"**

Andre I. Nasr, Gregory J. Gula, Antonio C. Berti, and
Richard D. Jones

**"CMOS-4 Back-end Process Development for a VLSI
0.75 μm Triple-level Interconnection Technology"**

Marion M. Garver, Joseph M. Bulger, Thomas E. Clark,
Jamshed H. Dubash, Lorain M. Ross, and Daniel J. Welch

**"Implementation of Defect Reduction Strategies into
VLSI Manufacturing"**

Mary Beth Nasr and Ellen J. Mager

**"A Yield Enhancement Methodology for Custom VLSI
Manufacturing"**

Randall S. Collica, X. Joseph Dietrich, Rudolph
Lambracht, Jr., and David G. Lau

**"Transistor Hot Carrier Reliability Assurance in CMOS
Technologies"**

Daniel B. Jackson, David A. Bell, Brian S. Doyle, Bruce J.
Fishbein, and David B. Krakauer

"Electromigration Reliability of VLSI Interconnect"

J. Joseph Clement, Eugenia M. Atakov, and James R. Lloyd

Volume 4, Number 1

"An Overview of the PATHWORKS Product Family"

Alan Abrahams and David A. Low

"PATHWORKS for VMS File Server"

Edward W. Bresnahan and Siu Yin Cheng

**"The Development of an Optimized PATHWORKS
Transport Interface"**

Philip J. Wells

"Design of the PATHWORKS for ULTRIX File Server"

Anthony J. Rizzolo, Elizabeth A. Brewer, and
Martha A. Chandler

"DECnet Transport Architecture"

Mitchell P. Lichtenberg and Jeffrey R. Curless

**"Microsoft Windows Network Virtual Device Drivers
in PATHWORKS for DOS"**

Andrew W. Nourse

**"eXcursion for Windows: Integrating Two
Windowing Systems"**

Dennis G. Giokas and Andrew T. Leskowitz

**"Capacity Modeling of PATHWORKS Client-Server
Workloads"**

Christopher E. Methot

Volume 3, Number 4

"Hardware Accelerators for Bitonal Image Processing"

Christopher J. Payson, Christopher J. Cianciolo, Robert
N. Crouse, and Catherine E. Winsor

"X Window Terminals"

Björn Engberg and Thomas Porcher

"ACCESS.bus, an open Desktop Bus"

Peter A. Sichel

"Design of the DECprint Common Printer Supervisor for VMS Systems"

Richard Landau and Alan Guenther

"The Common Printer Access Protocol"

James D. Jones, Ajay P. Kachrani, and Thomas E. Powers

"Design of the Turbo PrintServer 20 Controller"

Guido Simone, Jeffrey A. Metzger, and Gary Vaillette

Volume 3, Number 3

"Design of VMS Volume Shadowing Phase II—Host-based Shadowing"

Scott H. Davis

"Application Design in a VAXcluster System"

William E. Snaman, Jr.

"New Availability Features of Local Area VAXcluster Systems"

Lee Leahy

"Design of the DEC LANcontroller 400 Adapter"

Richard E. Stockdale and Judy B. Weiss

"The Architecture and Implementation of a High-performance FDDI Adapter"

Satish L. Rege

"Performance Analysis of a High-speed FDDI Adapter"

Ramsesh S. Kalkunte

"Performance Analysis of FDDI"

Raj Jain

Volume 3, Number 2

"Fiber Distributed Data Interface Overview"

William R. Howe, Richard Graham, and Peter C. Hayden

"Development of the FDDI Physical Layer"

Jerry D. Hutchison, Christopher Baldwin, and Bruce W. Thompson

"FDDI Data Link Development"

Henry S. Yang, Barry A. Spinney, and Stephen Towing

"An Overview of the Common Node Software"

Paul W. Ciarfella, David Benson, and David S. Sawyer

"Development of the DECbridge 500 Product"

Robert C. Kochem, James S. Hiscock, and Brian T. Mayo

"The DECconcentrator 500 Product"

William J. Tiffany, G. Paul Koning, and James E. Kuenzel

"DECelms—Managing Digital's FDDI and Ethernet Extended Local Area Networks"

Bruce E. Sweet

"ULTRIX Fiber Distributed Data Interface Networking Subsystem Implementation"

Ursula Sinkewicz, Chran-Ham Chang, Lawrence G. Palmer, Craig Smelser, and Fred L. Templin

Volume 3, Number 1

"DECdta—Digital's Distributed Transaction Processing Architecture"

Philip A. Bernstein, William T. Emberton, and Vijay Trehan

"Digital's Transaction Processing Monitors"

Thomas G. Speer and Mark W. Storm

"Transaction Management Support in the VMS Operating System Kernel"

William A. Laing, James E. Johnson, and Robert V. Landau

"Performance Evaluation of Transaction Processing Systems"

Walter H. Kohler, Yun-Ping Hsu, Thomas K. Rogers, and Wael H. Bahaa-El-Din

"Tools and Techniques for Preliminary Sizing of Transaction Processing Applications"

William Z. Zahavi, Frances A. Habib, and Kenneth J. Omahen

"Database Availability for Transaction Processing"

Ananth Raghavan and T. K. Rengarajan

"Designing an Optimized Transaction Commit Protocol"

Peter M. Spiro, Ashok M. Joshi, and T. K. Rengarajan

"Verification of the First Fault-tolerant VAX System"

William F. Bruckert, Carlos Alonso, and James M. Melvin

Volume 2, Number 4

"Design Strategy for the VAX 9000 System"

David B. Fite, Jr., Tryggve Fossum, and Dwight Manley

"VAX Instructions That Illustrate the Architectural Features of the VAX 9000 CPU"

John E. Murray, Ricky C. Hetherington, and Ronald M. Salett

"Semiconductor Technology in a High-performance VAX System"

Matthew J. Adiletta, Richard L. Doucette, John H. Hackenberg, Dale H. Leuthold, and Dennis M. Litwinetz

"Vector Processing on the VAX 9000 System"

Richard A. Brunner, Dileep P. Bhandarkar, Francis X. McKeen, Bimal Patel, William J. Rogers, Jr., and Gregory L. Yoder

"HDSC and Multichip Unit Design and Manufacture"

Peter B. Dunbeck, Richard J. Dischler, James B. McElroy, and Frank J. Swiatowicz

"The VAX 9000 Service Processor Unit"

Matthew S. Goldman, Paul H. Dormitzer, and Paul A. Leveille

"The Unique Features of the VAX 9000 Power System Design"

Derrick J. Chin, Barry G. Brown, Charles F. Butala, Luke L. Chang, Steven J. Chenetz, Gerald E. Cotter, Brian T. Lynch, Thiagarajan Natarajan, and Leonard J. Salafia

"Synthesis in the CAD System Used to Design the VAX 9000 System"

Donald F. Hooper and John C. Eck

"Hierarchical Fault Detection and Isolation Strategy for the VAX 9000 System"

Karen E. Barnard and Robert P. Harokopus

Volume 2, Number 3

"An Overview of the DECwindows Architecture"

Scott A. McGregor

"The Sample X11 Server Architecture"

Susan Angebrannt and Todd D. Newman

"Development of the UXI Toolkit"

Leo P. Treggiari and Michael D. Collins

"The DECwindows User Interface Language"

Stephen R. Greenwood

"The Evolution of the X User Interface Style"

Thomas M. Spine and Jacob L. VanNoy

"PEX: A Network-transparent Three-dimensional Graphics System"

Randi J. Rost, Jeffrey D. Friedberg, and Peter L. Nishimoto

"XDPS: A Display PostScript System Extension for DECwindows"

Christopher A. Kent

"The Development of DECwindows VMS Mail"

Michael R. Ryan and James H. VanGilder

"Ethernet Performance of Remote DECwindows Applications"

Dinesh Mirchandani and Prabuddha Biswas

Volume 2, Number 2

"Vector Processing on the VAXvector 6000 Model 400"

Debra L. Slater, David M. Fenwick, D. John Shakshober, and Douglas D. Williams

"The VAX 6000 Model 400 Scalar Processor Module"

Patrick Sullivan, Michael A. Callander, Sr., James R. Lundberg, Rebecca L. Stamm, and William J. Bowhill

"An Overview of the VAX 6000 Model 400 Chip Set"

W. Hugh Durdan, William J. Bowhill, John F. Brown, William V. Herrick, Richard C. Marcello, Sridhar Samudrala, G. Michael Uhler, and Nicholas Wade

"VAX 6000 Model 400 Physical Technology"

John T. Bartoszek, Robert J. Hannemann, Stephen P. Hansen, Robert J. McCarty, and John C. Sweeney

"VAX 6000 Model 400 CPU Chip Set Functional Design Verification"

Richard E. Calcagni and Will Sherwood

"Test and Qualification of the VAX 6000 Model 400 System"

John E. Croll, Larry T. Camilli, and Anthony J. Vaccaro

"Development of the DECstation 3100"

Thomas C. Furlong, Michael J. K. Nielsen, and Neil C. Wilhelm

"Compiler Optimization in RISC Systems"

Larry B. Weber

Volume 2, Number 1

"CDA Overview"

Robert L. Travis, Jr.

"The Digital Document Interchange Format"

William R. Laurune and Robert L. Travis, Jr.

"The Digital Table Interchange Format"

Carol A. Young and Neal F. Jacobson

"Development of the CDA Toolkit"

Richard T. Gumbel and Martin L. Jack

"Interapplication Access and Integration"

Baldwin K. Cheung and Neal F. Jacobson

"The Design and Development of the DECdecision Product"

Alan Sung, Neal F. Jacobson, and Carol A. Young

"The Relationship between the DECwrite Editor and the Digital Document Interchange Format"

Seth S. Cohen and Wm. Eugene Morgan

"CDA in Science and Engineering"

Neal B. Appel and Ronald M. Olson

Volume 1, Number 9

"Development of the VAX Distributed Name Service"

Sally J. Martin, Janet M. McCann, and David R. Oran

"Design and Implementation of the VAX Distributed File Service"

William G. Nichols and Joel S. Emer

"Remote System Management in Network Environments"

David M. Griffin and Brad C. Johnson

"The Evolution of the MAILbus"

Peter O. Mierswa

"VAX/VMS Services for MS-DOS"

Alan Abrahams

"The WAVE Tools Base for Protocol Testing"

Peter G. Viscarola and Jeffery E. Watkins

"Performance Evaluation of Distributed Applications and Services in the DECnet Environment"

Eugene Finkelstein and Richard A. Grawin

"Measurement and Analysis Techniques for DECnet Products"

Vijay G. D'Silva and Rui-Hsin Hsiao

"Modeling and Analysis of the DECnet/SNA Gateway"

John P. Morency, Richard P. Pitkin, Ramasamy Jesuraj, and Ambrose C. Kwong

Volume 1, Number 8

"The Hierarchical Storage Controller, A Tightly-Coupled Multiprocessor as Storage Server"

Richard F. Lary and Robert G. Bean

"Performance Aspects of the HSC Controller"

Kenneth H. Bates

"VAXsimPLUS, A Fault Manager Implementation"

Larry W. Emlich and Herman D. Polich

"Disk Drive Technology Improvements in the RA90"

Barbara A. Crane

"Control Systems Technology in Digital's Disk Drives"

Michael D. Sidman

"Magnetic Domain Observations in Thin-film Heads Using Kerr Microscopy"

Alan B. Smith

"Margin Analysis on Magnetic Disk Recording Channels"

Reinhard Kretschmer and Siegbert Sadowski

"High Availability Mechanisms of VAX DBMS Software"

T. K. Rengarajan, Peter M. Spiro, and William A. Wright

"A Relational Database Management System for Production Applications"

Ashok M. Joshi and Karen E. Rodwell

Volume 1, Number 7

"An Overview of the VAX 6200 Family of Systems"

Brian R. Allison

"The Architectural Definition Process of the VAX 6200 Family"

Brian R. Allison

"Interfacing a VAX Microprocessor to a High-speed Multiprocessing Bus"

Richard B. Gillett, Jr.

"The Role of Computer-aided Engineering in the Design of the VAX 6200 System"

Jean H. Basmaji, Glenn P. Garvey, Masood Heydari, and Arthur L. Singer

"VMS Symmetric Multiprocessing"

Rodney N. Gamache and Kathleen D. Morse

"Performance Evaluation of the VAX 6200 Systems"

Bhagyam Moses and Karen T. DeGregory

"Overview of the MicroVAX 3500/3600 Processor Module"

Gary P. Lidington

"Design of the MicroVAX 3500/3600 Second-level Cache"

Charles J. DeVane

"The CVAX 78034 Chip, a 32-bit Second-generation VAX Microprocessor"

Thomas F. Fox, Paul E. Gronowski, Anil K. Jain, Burton M. Leary, and Daniel G. Miner

"Development of the CVAX Floating Point Chip"

Edward J. McLellan, Gilbert M. Wolrich, and Robert AJ Yodlowski

"The System Support Chip, a Multifunction Chip for CVAX Systems"

Jeff Winston

"Development of the CVAX Q22-bus Interface Chip"

Barry A. Maskas

"The CVAX CMCTL—A CMOS Memory Controller Chip"

David K. Morgan

Volume 1, Number 6

"VAX/VMS Software Development Environment"

Bert Beander

"Software Productivity Measurements"

Anne Smith Duncan and Thomas J. Harris

"Language-Sensitive Editor"

Glenn Lupton

"VAX SCAN: Rule-based Text Processing Software"

Stephen R. Greenwood

"Software Productivity Features Provided by the Ada Language and the VAX Ada Compiler"

Robert A. Conti

"Programmer Productivity Aspects of the VAX GKS and VAX PHIGS Products"

Brian A. Axtell, William H. Clifford, Jr., and Jeffery S. Saltz

"The VAX RALLY System—A Relational Fourth-Generation Language"

Lewis Lasher

"VTX and VALU—Software Productivity Tools for Distributed Applications Development"

Linda E. Benson, Michael Gianatassio, Jr., and Karen L. McKeen

"Pragmatics in the Development of VAX Ada"

Ronald F. Brender, Bevin R. Brett, and Charles Z. Mitchell

"Development of a Graphical Program Generator"

Steven J. Grass

"Project Management of the VAX DEC/Test Manager Software Version 2.0"

Linda Ziman and Martin Dickau

"Development of the VAX NOTES System"

Peter D Gilbert

"Software Usability Engineering"

Michael D. Good

Volume 1, Number 5

"The VAXcluster Concept: An Overview of a Distributed System"

Nancy P. Kronenberg, Henry M. Levy, William D. Strecker, and Richard J. Merewood

"The System Communication Architecture"

Darrel J. Duffy

"The VAX/VMS Distributed Lock Manager"

William E. Snaman, Jr. and David W. Thiel

"The Design and Implementation of a Distributed File System"

Andrew C. Goldstein

"Local Area VAXcluster Systems"

Michael S. Fox and John A. Ywoskus

"VAXcluster Availability Modeling"

Edward E. Balkovich, Prashant Bhabhalia, William R. Dunnington, and Thomas F. Weyant

"System Level Performance of VAX 8974 and 8978 Systems"

Daeil Park, Rekha D. Von Ehren, Tzyh-Jong Wang, and Nij N. Quaynor

"CI Bus Arbitration Performance in a VAXcluster System"

Xi-ren Cao, Nii N. Quaynor, and Fernando C. Colon Osorio

Volume 1, Number 4

"An Overview of the Four Systems in the VAX 8800 Family"

Robert M. Burley

"The VAX 8800 Microarchitecture"

Sudhindra N. Mishra

"The CPU Clock System in the VAX 8800 Family"

William A. Samaras

"Aspects of the VAX 8800 C Box Design"

John Fu, James B. Keller, and Kenneth J. Haduch

"The Memory System in the VAX 8800 Family"

Paul J. Natusch, David C. Senerchia, and Eugene L. Yu

"Floating Point in the VAX 8800 Family"

John H. P. Zurawski, Kathleen L. Pratt, and

Tracey L. Jones

"The VAX 8800 Input/Output System"

James P. Janetos

"The VAXBI Bus—A Randomly Configurable Design"

Paul C. Wade

"A Logical Grounding Scheme for the VAX 8800 Processor"

Michael W. Kement and Gerald J. Brand

"The Simulation of Processor Performance for the VAX 8800 Family"

Cheryl A. Weicek

"VMS Multiprocessing on the VAX 8800 System"

Stuart J. Farnham, Michael S. Harvey, and

Kathleen D. Morse

"A Parallel Implementation of the Circuit Simulator SPICE on the VAX 8800 System"

Gabriel P. Bishoff and Steven S. Greenberg

"The Impact of VAX 8800 Design Methodology on CAD Development"

Dennis T. Bak

"On-line Manufacturing Data Access on the VAX 8800 Project"

Andrew J. Matthews

Volume 1, Number 3

"Digital Network Architecture Overview"

Anthony G. Lauck, David R. Oran, and Radia J. Perlman

"Performance Analysis and Modeling of Digital's Networking Architecture"

Raj Jain and William R. Hawe

"The DECnet/SNA Gateway Product—A Case Study in Cross Vendor Networking"

John P. Morency, David Porter, Richard P. Pitkin, and David R. Oran

"The Extended Local Area Network Architecture and LANBridge 100"

William R. Hawe, Mark F. Kempf, and Alan J. Kirby

"Terminal Servers on Ethernet Local Area Networks"

Bruce E. Mann, Colin Strutt, and Mark F. Kempf

"The DECnet-ULTRIX Software"

John Forecast, James L. Jackson, and Jeffrey A. Schriesheim

"The DECnet-DOS System"

Peter O. Mierswa, David J. Mitton, and Martha L. Spence

"The Evolution of Network Management Products"

Nancy R. La Pelle, Mark J. Seger, and Mark W. Saylor

"The NMCC/DECnet Monitor Design"

Mark W. Saylor

Volume 1, Number 2

"The MicroVAX 78032 Chip, A 32-Bit Microprocessor"

Daniel W. Dobberpuhl, Robert M. Supnik, Richard T. Witek

"The MicroVAX 78132 Floating Point Chip"

William R. Bidermann, Amnon Fisher, Burton M. Leary,

Robert J. Simcoe, and William R. Wheeler

"Developing the MicroVAX II CPU Board"

Barry A. Maskas

"The Evolution of the Custom CAD Suite Used on the MicroVAX II System"

Anthony F. Hutchings

"The Making of a MicroVAX Workstation"

Rick Spitz, Peter George, and Stephen Zalewski

"The RQDX3 Design Project"

Nicholas A. Warchol and Stephen F. Shirron

"The Evolution of Instruction Emulation for the MicroVAX Systems"

Kathleen D. Morse, Lawrence J. Kenah

"The TK50 Cartridge Tape Drive"

Steven E. Boone, Guenter E. Schneider

"Porting ULTRIX Software to the MicroVAX System"

Raymond J. Lanza

Volume 1, Number 1

"An Overview of the VAX 8600 System"

Trygve Fossum, James B. McElroy, and William English

"The VAX 8600 I Box, A Pipelined Implementation of the VAX Architecture"

Mario Troiani, S. Stephen Ching, Nii N. Quaynor,

John E. Bloem, and Fernando C. Colon Osorio

"The F Box, Floating Point in the VAX 8600 System"

Trygve Fossum, William R. Grundmann, and

Virginia C. Blaha

"Packaging the VAX 8600 Processor"

James B. McElroy

"Signal Integrity in the VAX 8600 System"

John H. Hackenberg

"Cooling the VAX 8600 Processor"

E. Brian Kalita and William English

"Designing Reliability into the VAX 8600 System"

William F. Bruckert and Ronald E. Josephson

Author Listing

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- Angebrannt, Susan**, "The Sample X11 Server Architecture," Vol. 2, No. 3 (1990)
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- Asher, David**, "DEC @aGlance—Integration of Desktop Tools and Manufacturing Process Information Systems," Vol. 5, No. 2 (1993)
- Atakov, Eugenia M.**, "Electromigration Reliability of VLSI Interconnect," Vol. 4, No. 2 (1992)
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- Baldwin, Christopher**, "Development of the FDDI Physical Layer," Vol. 3, No. 2 (1991)
- Balkovich, Edward E.**, "VAXcluster Availability Modeling," Vol. 1, No. 5 (1987)
- Barnard, Karen E.**, "Hierarchical Fault Detection and Isolation Strategy for the VAX 9000 System," Vol. 2, No. 4 (1990)
- Bartoszek, John T.**, "VAX 6000 Model 400 Physical Technology," Vol. 2, No. 2 (1990)
- Basraji, Jean H.**, "The Role of Computer-aided Engineering in the Design of the VAX 6200 System," Vol. 1, No. 7 (1988)
- Bates, Kenneth H.**, "Performance Aspects of the HSC Controller," Vol. 1, No. 8 (1989)
- Bean, Robert G.**, "The Hierarchical Storage Controller, A Tightly Coupled Multiprocessor as Storage Server," Vol. 1, No. 8 (1989)
- Beander, Bert**, "VAX/VMS Software Development Environment," Vol. 1, No. 6 (1988)
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- Bell, David A.**, "Transistor Hot Carrier Reliability Assurance in CMOS Technologies," Vol. 4, No. 2 (1992)
- Benoit, Paul**, "DECnet for OpenVMS AXP: A Case History," Vol. 4, No. 4 (1992)
- Benson, David**, "An Overview of the Common Node Software," Vol. 3, No. 2 (1991)
- Benson, Linda E.**, "VTX and VALU—Software Productivity Tools for Distributed Applications Development," Vol. 1, No. 6 (1988)
- Benson, Thomas R.**, "Porting OpenVMS from VAX to Alpha AXP," Vol. 4, No. 4 (1992)
- Bernstein, Debra**, "The NVAX and NVAX+ High-performance VAX Microprocessors," Vol. 4, No. 3 (1992)
- Bernstein, Philip A.**, "DECdta—Digital's Distributed Transaction Processing Architecture," Vol. 3, No. 1 (1991)
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- Bishop, F. Avery, "Unicode: A Universal Character Code," Vol. 5, No. 3 (1993)
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- Boone, Steven E., "The TK50 Cartridge Tape Drive," Vol. 1, No. 2 (1986)
- Bouchard, Gregg A., "The VAX 6000 Model 600 Processor," Vol. 4, No. 3 (1992)
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- Brender, Ronald F., "Pragmatics in the Development of VAX Ada," Vol. 1, No. 6 (1988); "Using Simulation to Develop and Port Software," Vol. 4, No. 4 (1992)
- Bresnahan, Edward W., "PATHWORKS for VMS File Server," Vol. 4, No. 1 (1992)
- Brett, Bevin R., "Pragmatics in the Development of VAX Ada," Vol. 1, No. 6 (1988)
- Brewer, Elizabeth A., "Design of the PATHWORKS for ULTRIX File Server," Vol. 4, No. 1 (1992)
- Britton, Sharon, "A 200-MHz 64-bit Dual-issue CMOS Microprocessor," Vol. 4, No. 4 (1992)
- Brown, Barry G., "The Unique Features of the VAX 9000 Power System Design," Vol. 2, No. 4 (1990)
- Brown, John F., "An Overview of the VAX 6000 Model 400 Chip Set," Vol. 2, No. 2 (1990); "The NVAX and NVAX+ High-performance VAX Microprocessors," Vol. 4, No. 3 (1992)
- Bruckert, William F., "Designing Reliability into the VAX 8600 System," No. 1 (1985); "Verification of the First Fault-tolerant VAX System," Vol. 3, No. 1 (1991)
- Brunner, Richard A., "Vector Processing on the VAX 9000 System," Vol. 2, No. 4 (1990)
- Bryant, Stewart F., "The DECNIS 500/600 Multiprotocol Bridge/Router and Gateway," Vol. 5, No. 1 (1993)
- BuBler, Christoph J., "Policy Resolution in Workflow Management Systems," Vol. 6, No. 4 (1994)
- Bulger, Joseph M., "CMOS-4 Back-end Process Development for a VLSI 0.75 μ m Triple-level Interconnection Technology," Vol. 4, No. 2 (1992)
- Burley, Robert M., "An Overview of the Four Systems in the VAX 8800 Family," Vol. 1, No. 4 (1987)
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- Buxton, Kim A., "The ULTRIX Implementation of DECnet/OSI," Vol. 5, No. 1 (1993)
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- Callon, Ross W., "Routing Architecture," Vol. 5, No. 1 (1993)
- Camilli, Larry T., "Test and Qualification of the VAX 6000 Model 400 System," Vol. 2, No. 2 (1990)
- Cao, Xi-ren, "CI Bus Arbitration Performance in a VAXcluster System," Vol. 1, No. 5 (1987)
- Cardoza, Wayne M., "Porting OpenVMS from VAX to Alpha AXP," Vol. 4, No. 4 (1992)
- Carlson, Lauren M., "The VAXstation 4000 Model 90," Vol. 4, No. 3 (1992); "Development of Digital's PCI Chip Sets and Evaluation Kit for the DECchip 21064 Microprocessor," Vol. 6, No. 2 (1994)
- Chandler, Martha A., "Design of the PATHWORKS for ULTRIX File Server," Vol. 4, No. 1 (1992)
- Chang, Chiran-Ham, "ULTRIX Fiber Distributed Data Interface Networking Subsystem Implementation," Vol. 3, No. 2 (1991); "High-performance TCP/IP and UDP/IP Networking in DEC OSF/1 for Alpha AXP," Vol. 5, No. 1 (1993)
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Acronym Glossary

Acronym Definition

ACA	application control architecture
ACMS	application control and management system
AIL	application interface library
API	application programming interface
ASN	abstract syntax notation
AUD	Alpha user-mode debugging
AUDI	Alpha user-mode debugging environment for translated images
AXE	architecture exerciser
BIOS	basic input-output system
BIU	bus interface unit
BLAS	basic linear algebra subroutines
BLOB	binary large object
BMP	buffer management protocol
CAD	computer-aided design
CAM	content addressable memory
CASE	computer-aided software engineering
CDA	compound document architecture
CFPA	CVAX floating point accelerator
CI	computer interconnect
CMCTL	CMOS memory controller
CMOS	complementary metal-oxide semiconductor
CNS	common node software
CORBA	common object request broker architecture
CPAP	common printer access protocol
CPS	common printer supervisor
CPU	central processing unit
CQBIC	CVAX Q22-bus interface chip
CSMA/CD	carrier sense multiple access with collision detection
DAS	DECimage application services
DBMS	database management system
DCE	distributed computing environment
DDE	dynamic data exchange
DDIF	Digital document interchange format
DDIS	Digital data interchange syntax
DDX	device-dependent X
DECdta	DEC distributed transaction processing architecture
DECdtm	DEC distributed transaction manager
DECelms	DEC extended LAN management software
DECNIS	DEC network integration server
DECtp	DEC transaction processing
DFS	distributed file service
DIX	device-independent X
DLT	Digital linear tape
DLZI	Digital Lempel-Ziv I

Acronym Definition

DNA	Digital network architecture
DNP	DECnet network process
DNS	distributed name service
DQFD	distributed quality function deployment
DRAM	dynamic random access memory
DTIF	Digital table interchange format
DXML	Digital extended math library
E ² COTS	extended environment, commercial off-the-shelf
EMA	enterprise management architecture
EMS	electronic mail system
FAL	file access listener
FCIS	frame content independent stripping
FDDI	fiber distributed data interface
FRBS	frame relay bearer service
FTAM	file transfer, access and management
GKS	graphical kernel system
GSMP	generalized semi-Markov process
HDSC	high density signal carrier
HSC	hierarchical storage controllers
I/O	input/output
I ² C	interintegrated circuit
IDRC	improved data recording capability
IMA	Interactive Multimedia Association
IOS	integrated office system
LAN	local area network
LAPACK	linear algebra package
LAPS	local area printserver protocol
LAST	local area system transport
LAT	local area transport
LSE	language-sensitive editor
MAX	multi-instruction architecture exerciser
MCA	macrocell array
MCU	multichip unit
MDA	manufacturing data access
MIPS	million instructions per second
MOSAIC	Motorola's oxide-isolated self-aligned implanted circuits
MPEG	Motion Picture Experts Group
MPP	massively parallel processor
MSCP	mass storage control protocol
NCP	network control process
NETACP	network ancillary control process
NetBIOS	network basic input-output system
NI	network interconnect
NML	network management listener
OSF	Open Software Foundation

Acronym Definition

OSI	open systems interconnection
P/FM	PBX facilities management
PBX	private branch exchange
PCI	peripheral component interconnect
PDL	page description language
PEX	PHIGS/PHIGS+ extension to X
PHIGS	programmer's hierarchical interactive graphical system
PLL	phase-locked loop
POSIX	portable operating system interface for computer environment
PVP	parallel vector processors
QFD	quality function deployment
QIO	queued I/O
RAID	redundant arrays of inexpensive disks
Rdb	relational database
RISC	reduced instruction set computer
RMC	ring memory controller
RPC	remote procedure calls
RSM	remote system manager
RTL	register transfer level
RTL	run-time library
SCA	system communication architecture
SCSI	small computer systems interface
SEI	Software Engineering Institute
SID	system for integral design
SMB	server message block
SMP	software motion pictures
SMP	symmetric multiprocessing
SNA	systems network architecture
SOC	system on a chip
SPIN	sound picture information networks
SQL	standard query language
SRAM	static random-access memory
SSC	system support chip
TAB	tape automated bonding
TCP/IP	transmission control protocol/internet protocol
TIE	translated image environment
TP	transaction processing
UART	universal asynchronous receiver/transmitter
UDP/IP	user datagram protocol/internet protocol
UID	user interface description
UIL	user interface language
UIS	user interface services
UTF	universal transmission format
VALU	VAX application link utilities
VAS	VTX application service
VEST	VAX environment software translator
VISTA	VTX infobase structure tool and assistor
VME	versatile microprocessor
VWS	VMS workstation software
WFMS	workflow management system
WORM	write once read many
XDPS	X display postscript system
XIE	X image extension
XUI	X user interface

3) 84
print symbiont see DECprint con
supervisor
n printer access protocol, 3/4 (1991) 55, 57
ound Document Architecture see CDA
puter Interconnect bus see CI bus
puter Interconnect port see CI port
computer monitoring, 5/2 (1993) 106-107
concentrators, 3/2 (1991) 64-70
contention, 3/1 (1991) 20, 22, 26
contextual inquiry, 5/4 (1993) 14, 21-23, 38, 47-49
6/4 (1994) 64
control systems, 5/2 (1993) 100-104
controlled terminals, 3/1 (1991) 30
CORBA see Common Object Request Broker Architecture
CPAP see common printer access protocol
CPS see DECprint common printer supervisor
CQBIC, 1/7 (1988) 129-138 see also MicroVAX
3500/3600—processor module—CQBIC
implementation, 1/7 (1988) 133-134
project goals, 1/7 (1988) 129-130
project research, 1/7 (1988) 130-133
Q22-bus arbiter, 1/7 (1988) 134-135
Q22-bus electrical interface, 1/7 (1988) 138
Q22-bus master, 1/7 (1988) 137
Q22-bus slave, 1/7 (1988) 137-138
map, 1/7 (1988) 135-137
tem, 6/2 (1994) 8-21
6/2 (1994) 19-21

