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Title word cross-reference

16 [ABG+16]. 16×16 [AEJ+00]. 28 [KBN16]. 3 [Awa95, Bat97, DFG+13, Jay98, Kre98, LD98, MMG+98, Pot97, Tre96, Tre97]. 64×64 [Wei00].

-nm [ABG+16, KBN16].

0.35-micron [BB96]. **0.5W** [San96]. **000-Processor** [BSP+17].

1 [BH15, Bre10, Kru00, Ste95]. **1/4** [PAGC+97]. **1/4-Inch** [PAGC+97]. **100** [PSW91, Pot97]. **100-Mops** [PSW91]. **1000-Way** [LL98]. **100Kbit** [Oru94]. **100Kbit/s** [Oru94]. **110** [San96]. **1100** [Sla97]. **115W** [Ano93a]. **12** [DTB01]. **12-bit** [OKN+00]. **13** [KW02]. **1300** [SLR+99]. **14** [WD03]. **15** [FD04]. **150** [SHMS95]. **1500** [Gan98]. **16** [DD05, FH99]. **16-Core** [FJL+13]. **16-nm** [FME18]. **160MHz** [San96]. **16bps** [CEF+99]. **17** [SS06]. **18** [KS07]. **19** [AM08]. **19-20** [Rei96]. **196** [CES+11]. **1993** [IEE93]. **1994** [IEE94]. **1995** [IEE95]. **1996** [IEE96, Rei96]. **1997** [IEE97]. **1999** [IEE99]. **1GHz** [MBB+99].

2 [KCA25, KSI+96, Lee97, MS03, NTK+97, Nga95, OWJF98, RMC04, SSB20]. **2-Petaflop** [SB23]. **2.0** [Lee97, VBC+21]. **2000** [IEE00]. **2001** [IEE01]. **2002** [IEE02]. **2003** [IEE03]. **2004** [IEE04]. **2005** [IEE05]. **2006** [IEE06]. **2007** [IEE07]. **2008** [IEE08]. **2009** [IEE09]. **2010** [IEE10]. **2011** [IEE11]. **2012** [IEE12]. **2013** [IEE13]. **2023** [LV24]. **2024** [AY25]. **21** [AW10]. **21164** [BB96, ERPR95]. **21264** [Kes98]. **21264a** [BVD+99]. **215Hz** [CVS+00]. **21st** [Sam99].

22 [RE11]. **23** [BB12]. **230MHz** [O'D99]. **24** [KZ13]. **25** [NN14]. **26** [NS15]. **27** [AR16a]. **28** [CM17]. **28-nm** [CCA+19]. **29** [Eec18]. **29K** [McM95].

3 [HWG+09, Tre98]. **30** [KR19, SB23]. **30-Teraflops** [SB23]. **30-Teraflops/W** [SB23]. **300** [Ano93a, Gan98, KS90, Nt97]. **3171** [BSC+90]. **32** [CHH+98, KS90, Kur21, RY21, Rub97, RDJ+13]. **32-bit** [NTK+97, KS90]. **32-nm** [RDJ+13]. **32-Way** [KAO05]. **32b** [San96, Ano93a]. **33** [Joh22, SS22]. **34** [DA23, Joh23]. **3DNow** [OWJF98].

4 [GDES08]. **4-Gbps** [GDES08]. **4-Inch** [PAGC+97]. **40-nm** [Man09]. **400** [DRM+23]. **400-G** [DRM+23]. **4096-Core** [ZSB21]. **440LX** [Mal97]. **4MB** [Shi98]. **4th** [BT24]. **4x** [KKK+99].

5 [Bro00]. **5-qubit** [CVS+00]. **5.5** [KIS+99]. **50Mpixel** [OKN+00]. **50Mpixel/s** [OKN+00]. **511-Core** [DXT+18]. **5W** [Bur97, O'D99].

6 [PFK+25]. **600** [Kes98, LL98]. **6000** [Ari96, OB91]. **64** [Fan99a, Kni99a, Kni99b]. **64-bit** [BBTV15, LL98, Naa95, Nt97, She95, SBKK99, Tre95]. **64-Core** [DFG+13]. **65nm** [DAV06]. **6800** [MM05]. **6M** [RMC04]. **6th** [DKyL+17]. **6th-Generation** [DKyL+17].

7040 [SKP24].

8000 [Naa95]. **8500** [Joh98]. **870** [BCC+02].

90nm [FSP06].

A/V [GDES08]. **A100** [CGG+21]. **Academia** [Eec17]. **Accelerated** [BCF+14, KBN16]. **Accelerating** [Bir98, DDC+98, ESG+05, KKSS99, Lee95, TKS+99]. **Acceleration** [GHY+17, SB23]. **Accelerator** [Buc97, DXT+18, Kre98, MMG+98, PAA+06, Pia98, SA25, YYA06, Pri90, Dja96]. **Accelerators** [KXS+25]. **Access** [O'C00a]. **Across** [DDC+98]. **Active** [PAGC+97]. **Adapter** [Edd02]. **Adaptive** [DRM+23, FAWR+11]. **Address** [Kut99, O'C00b, O'C00a, OG01, Vit00]. **Advanced** [SF18]. **Advances** [Hun97]. **Afternoon** [Dub97, Pra96]. **Age** [DPY18]. **Agile** [LWC+16, RHK25]. **AGP** [KKK+99]. **AGPset** [Mal97]. **Ahead** [Var94]. **AI** [KCA25, CPL+25, MD20, SA25]. **Alchemy** [Plu00a]. **Algebra** [KXS+25]. **Algorithm** [CD95]. **Algorithms** [Vis99]. **All-Programmable** [FME18]. **Alpha** [Ano93b, BVD+99, BB96, ERPR95, Kes98, Rub97]. **AltiVec** [DDC+98, Phi98]. **Alto** [IEE98]. **Always** [BBC+15]. **Always-on** [BBC+15]. **AMD** [BT24, BCF+14, BFS12, BCD+11, Chr95, Chr96, CKD+10, DRM+23, KKK+99, KMAC03, KCA25, OWJF98, OS08, SA25, SKP24, SSB20]. **AMD-K5** [Chr95, Chr96]. **AMULET2e** [Gar96]. **AMULET3i** [Gar00]. **Analog** [OKN+00, OW01]. **Anatomy** [THT+04]. **Annual** [Eec16, Ste90a, Ste90b]. **Appliances** [JSR+99]. **Application** [GHSV+11]. **Applications** [BYM+06, BBC+15, BSP+17, FM95, HYYS96, KTP+99, LCP+11, Rub97, SC91, SF18, TSI06, Ano93b, Yea96]. **Applied** [RSS98]. **Approach** [BBSG11, KR96, LWC+16]. **APU** [BFS12]. **Architecting** [CM00]. **Architectural** [Bro00, Dub97]. **Architecture** [Als90, Ano93b, BGP+25, Cas00, CEM+95, CAV+14, CH06, DPY18, GM21, Gol00, GHSV+11, GA21, Hed00, Joy96, Kni99a, KFL99, KTP+99, KIS+00, LD98, Lie23, LNOM08, Nem95, Nga95, OS08, Phi98, PSS+91, Rat98, RNA+12, STKS17, SL00, SA25, TUHwH99, Tre99, Tru97, WK25, WKP11, Yeh06, YYA06, ZSB21, Chr96, Hes07, OB91, Pri90, SMHB91, TO96a, BDH03]. **Architectures** [DXT+18, MD20, Vis99]. **Arena** [Joh20]. **ARM** [BBTV15, San96, SBB+17, GBW+23, PSB+20, SSR21]. **Arm-Based** [SSR21]. **ARM810** [Lar96]. **ARM9E** [Seg99]. **ARM9ESP** [Bur99]. **ARM9TDMI** [Bur99]. **Array** [ABG+16, BYM+06, BSP+17]. **AsAP** [BYM+06]. **ASIC** [CC95, Man09, Pfi99]. **associated** [Mal97]. **Asynchronous** [BYM+06, Gar00]. **At-Memory** [SB23]. **Athlon** [KKK+99]. **Atom** [BvdGM+15]. **ATSC** [Par98]. **Attached** [Gan98]. **Au1000** [Plu00a]. **Audio** [FM95, Sav98, Ste95]. **Audio/Video** [Ste95]. **Auditorium** [IEE98, IEE13]. **August** [IEE93, IEE94, IEE95, IEE96, IEE97, IEE98, IEE99, IEE00, IEE01, IEE02, IEE03, IEE04, IEE05, IEE06, IEE07, IEE08, IEE09, IEE10, IEE11, IEE12, IEE13, Rei96]. **Automatically** [AAW+96]. **Automotive** [SF18]. **AV** [ASK97, SANK98]. **Availability** [Qua00]. **AXP** [Ano93b]. **Azure** [Sti19].

Bandwidth [SL00, WAA+20]. **Based** [GBW+23, SSR21, WMSH09, IDTS00]. **Basics** [Kni99a]. **Basics/Introduction** [Kni99a]. **BCM4100** [FH99]. **BCM4100/BCM4210** [FH99]. **BCM4210** [FH99]. **BCM5600** [EM99]. **Beast** [Gar95]. **Beat** [Lar96]. **Behind** [Sti19]. **Below** [FSP06]. **Benchmark** [MRC+20, AAW+96]. **Berkeley** [CFK+10]. **Best** [Bas00, RY21, WBC+96]. **Better** [Ber98, Gar95]. **Beyond** [Hes07, LCP+11]. **Big** [MMG+98]. **Binary** [CHH+98]. **bipolar** [Ano93a]. **bit** [BBTV15, LL98, Naa95, NTK+97, Nt97, OKN+00, She95, SBKK99, Tre95, KS90]. **Bitcoin** [BH15]. **Blitzen** [Kre98]. **Block** [BCC+02]. **Blocking** [AEJ+00]. **Blocks** [PSB+20]. **Blue** [HOF+12]. **board** [MKN+98]. **Bobcat** [BCD+11]. **Boost** [Gol00]. **bottleneck** [Joh90]. **Boundaries** [NCT+98]. **Brain** [SKW+23]. **Brainwave** [CFO+18]. **bridge** [WBC+95, PKB+15, RNA+12]. **bridge/memory** [WBC+95]. **Brief** [Bar21]. **Bringing** [Khu96]. **Broadband** [Gol00, Gre11, Sam99, Sam00b]. **Broadcasting** [Hun97]. **Broadcom** [EM99, SP09]. **BROOM** [CCA+19]. **Building** [BCC+02, Gar95, LWC+16, PSB+20, SP09]. **Built** [MD20]. **Bulldozer** [BBSG11]. **Buses** [Jam90].

C [Bro00]. **C-5** [Bro00]. **C-Port** [Bro00]. **C2000** [BvdGM+15]. **C400** [SMHB91]. **C64x** [Gol00]. **CA** [IEE93, IEE94]. **CA1024** [SBS+06]. **Cache** [Bur97, CKD+10, Faa98, RMC04]. **Caches** [Cha96, VJFG17]. **California** [IEE95, IEE96, IEE97, IEE99, IEE00, IEE01, IEE02, IEE03, IEE04, IEE05, IEE06, IEE07, IEE08, IEE09, IEE10, IEE11, IEE12, IEE13, IEE98]. **Calisto** [NIJ+03]. **Camera** [Fos98]. **Can** [Ano03]. **Capabilities** [vES98]. **Capacity** [Shi98]. **Carrizo** [KBN16]. **Cartridge** [Sam00a]. **Cascade** [AFK+19]. **Case** [PAY96]. **Casting** [Pfi99]. **CD** [FM95]. **CDMA** [She99b]. **Celerity** [DXT+18]. **Center** [IEE12]. **Centip3De** [DFG+13]. **Century** [Sam99]. **Cerebras** [Lie23]. **Chairs** [JW98]. **Challenge** [Wha98]. **Challenges** [Pen90, Rab06, Won03, Mal97]. **Change** [Gon99]. **Channel** [Edd02]. **CHERI** [GBW+23]. **CHERI-Based** [GBW+23]. **Chess** [hH98, hH98]. **Chip** [ABG+16, AEJ+00, Ari96, Awa95, ASN+99, BCF+14, BWBJ11, Bur97, CD95, DRM+23, EGL+90a, EM99, FM95, FAWR+11, Fos98, FH00, Gar00, HOF+12, hH98, Joh20, KST04, KML04, Kec97, KSIA95, McC99, NIJ+03, NCT+98, Oru94, PAGC+97, Pet00, Plu00a, Pot97, Rat98, SC91, SO14, SGG+12, Shi98, Ste95, SBS+06, TSW+01, Wei00, Ano93d, KSI+96, MKN+98, TO96a]. **Chiplet** [WAA+20, ZSB21]. **Chips** [AY25, AS95, Alt13, Alt14, AAFH95, AM08, AR16a, AR16b, Ano95, Ano00, Ano03, AW10, BS98, BB12, CM17, DTB01, DD05, DXT+18, DA23, Dit00, Eec15, Eec16, Eec17, Eec18, FD04, HW91, IEE94, IEE97, IEE99, IEE00, IEE01, IEE02, IEE03, IEE04, IEE05, IEE06, IEE07, IEE08, IEE09, IEE10, IEE11, IEE12, IEE13, Joh19, Joh20, Joh22, Joh23, Joh90, KZ13, KB20, KW02, KS07, KR19, Kur21, LV24, Mat97, NN14, NS15, NPY+21, RY21, Rat06, Rei96, RE11, RC13, SS22, SS06, Ste90a, Ste90b, WD03, IEE93, IEE95, IEE96, IEE98, JA96, Alt11, Hoo90, Jou92, KvdW09, Var94]. **Chips-III** [Jou92]. **Chipset** [CEF+99, FH99, GDES08]. **Chipsets** [Par98]. **Choices** [Ano95]. **Circuit** [Kid14]. **Circuits** [TKM+02]. **Classifier** [IDTS00]. **ClassiPI** [IDTS00]. **Clipper** [SMHB91]. **clock** [Cra90]. **Clockless** [Cum04]. **close** [hH98]. **Cloud** [PSB+20]. **Cloud-to-Edge** [PSB+20]. **Clouds** [MFN+17]. **Cluster** [BDH03]. **CMOS** [San96, AEJ+00, Ano94c, CCA+19, Faa98, PAGC+97, RDJ+13]. **CMP** [CH06, HHS+99, HHS+00]. **CMT** [CCE+09]. **Co** [Hay97, JW98, KKO06, Lie23, SKW+23]. **Co-Chairs** [JW98]. **Co-Design** [Lie23]. **Co-Designed** [SKW+23]. **Co-Processor** [Hay97, KKO06]. **Code** [DKyL+17, RNA+12]. **Code-Named** [DKyL+17, RNA+12]. **Codes** [Rat06]. **Codesign** [GHY+17]. **CoinTerra** [BH15]. **Collaborative** [Mey06]. **Color** [BD99]. **Combining** [TO96a]. **Commercial** [SBKK99]. **Commodity** [Ros99]. **Common** [Man09]. **Communications** [CAV+14, FME18, Gol00, Hun97, LS98, NIJ+03, Sam99, She99a, She99b, Sla97]. **Companies** [Bas00]. **Compatible** [Bos96]. **Compilation** [Fan99b]. **Compiler** [ADG+96, Fan99a, Pen90, TGK+96]. **Compilers** [AAFH95, KFL99].

Complexity [MM96]. **Compliant** [Par98]. **Compositing** [Dja96]. **Compression** [AHM+00, CD95, Nga95]. **Computation** [SVC01, CVS+00]. **Computational** [TKM+02]. **Compute** [BBSG11, HOF+12, TSV+20, VBC+21]. **Computer** [Bre10, DPY18, Kut99, RSS98, SKW+23, TSV+20, TSW+23]. **Computing** [Bar21, BJ06, CFK+10, CSM+21, CPL+25, DHM97, Dit00, KKSS99, LNOM08, LCP+11, MYK+10, McC99, ND10, TKS+99, YHT+15, ZSB21]. **concurrency** [Yea96]. **conference** [IEE98]. **Configurable** [DHM97, Gon99, Gon00]. **Configuration** [MKN+98]. **Confronting** [Wha98]. **Connected** [Sam99]. **Connecting** [FH00]. **connections** [SL00]. **Considerations** [Wei96]. **Consoles** [ML21]. **Consumer** [FM95, KTP+99]. **Content** [IDTS00]. **Continue** [Jam90]. **Continuous** [ABD+97]. **Contraction** [CPL+25]. **Controller** [Bur97, NABR95, TSW+01, Tre98, WBC+95]. **Converged** [PKB+15]. **Convey** [Bre10]. **Cool** [Ano03, Dit00, Rat06, Ano93d]. **Cooler** [Bal95]. **Coprocessor** [DKB+90, Bar97]. **Coprocessors** [BSC+90, CSM+21]. **Core** [BT24, CGG+21, CC95, DXT+18, DKyL+17, DFG+13, FZW+12, FJL+13, HMB+14, Hes07, KST04, Kru00, MB05, Sha00a, Sha00b, ZSB21]. **Cores** [CSM+21, SB23]. **Cost** [BCC+02, Luc99, SBS+06, Ano93b, KSI+96, SLR+99]. **Cost-Effective** [BCC+02, SBS+06, KSI+96]. **Coupled** [LD98]. **Court** [WBC+96]. **CPU** [Cra90, Gan98, HMR96, Kum96, Mod97, Nt97, WK25]. **CPUs** [Ber98, BT24, ESG+05, Kur21]. **Crossbar** [Cum04, Wei00]. **Crusoe** [Dit00, Fle00]. **Cryptocurrency** [BH15]. **Cryptography** [Bir98]. **Cryptosystems** [ESG+05]. **Crystal** [BD99]. **Cubes** [Ano03]. **Cupertino** [IEE12]. **Custom** [Dja96, Faa98]. **Cutting** [Eec17, Fle00, LB00]. **Cutting-Edge**

[Eec17, LB00]. **CW4010** [CC95]. **Cycle** [Pra96, Cra90]. **Cycles** [ABD+97].

D [Awa95, Bat97, DFG+13, Jay98, Kre98, LD98, MMG+98, Pot97, Shi98, Tre96, Tre97]. **DAC** [Dja96]. **Dancing** [Lar96]. **Dark** [GHSV+11]. **Datacenter** [BvdGM+15, CFO+18]. **DataPlay** [Dav02]. **Datawave** [SC91]. **Day** [Ano03]. **DDC** [Kid14]. **Debuts** [AHM+00]. **DECchip21066** [Ano93b]. **Decoder** [Ste95]. **Decoding** [MD06]. **Deep** [Lie23]. **Defining** [War97]. **Definition** [MD06]. **Delay** [NTK+97]. **Delta** [Tre96]. **dense** [FSP06]. **Denver** [BBTV15]. **Design** [BTR02, BB96, DXT+18, Dub97, EGL+90b, EGL+90a, Gon99, Joh20, Lie23, MBB+99, NPY+21, PKB+15, RSS+08, SMHB91, SBKK99, WK25, WP97, Won03, Joh90, Pap96]. **Designed** [SKW+23]. **Designing** [CSM+21, hH98, KXS+25, WBC+95]. **Designs** [LB00]. **Desktop** [Khu96]. **Developing** [BSC+90, Chr96, Pri90]. **Development** [Mey06, Chr96, Mal97]. **Device** [DHM97, SB23]. **Devices** [Vit00]. **Did** [Joh20, hH98]. **dies** [Pap96]. **Different** [Lar96]. **Digital** [FME18, Fos98, OKN+00, OW01, PAGC+97, Sav98, TP10, THT+04, Rub97]. **Digital-RF** [FME18]. **Directed** [CHH+98]. **Direction** [Gre11]. **DirectX** [Tre98]. **Discussion** [vdWAB+06, GTB99]. **Display** [BD99]. **Distributed** [GM21, NABR95]. **Distribution** [Dav02, DHM97]. **Dive** [Lie23]. **Diverse** [Eec15]. **DNNs** [CFO+18]. **Do** [ABD+97]. **DOJO** [TSW+23]. **DRAM** [KGM+00, LD98, O'C00b, O'C00a, PAY96, Shi98]. **DRAMs** [Prz97]. **Driven** [DSK+92]. **Driving** [TSV+20]. **Drum** [Lar96]. **DSP** [CAV+14]. **DTV** [Par98, Rat98]. **Dual** [KST04, MB05]. **Dual-Core** [KST04, MB05]. **Dual-Thread** [MB05]. **Dust** [WAP00]. **Dynamic** [Fan99b, Mod97]. **Dynamically** [SGG+12, YYA06].

ECL [Ano93a, BAC+90]. **Economics** [WD03]. **Edge** [BWBJ11, CSM+21, Eec17, KCA25, LB00, PSB+20, Plu00a]. **Edge-Computing** [CSM+21]. **Editors** [AS95, AM08, AW10, BS98, DTB01, FD04, HW91, JA96, KW02, KS07, LB00, SS06, WD03]. **Effective** [BCC+02, SBS+06, KSI+96]. **Effectiveness** [Lee97]. **Effects** [Joh98]. **Efficient** [Bat97, BvdGM+15, DSK+92, FZW+12, GHY+17, KBN16, MD06, TUHwH99]. **efficiently** [Yea96]. **Eight** [FJL+13]. **Electronics** [RSS98]. **eliminate** [Joh90]. **Elite** [WK25]. **Embedded** [ASK97, Cum04, KGM+00, LD98, O'C00b, O'C00a, SANK98]. **Emerging** [Joh19]. **Emotion** [KIS+99, KIS+00]. **Emphasizing** [Yea96]. **Empowering** [DPY18]. **EMU10K1** [Sav98]. **Emulation** [HWG+09]. **Emulator** [HMR96]. **Enabling** [Sam99, Seg99, Vit00]. **Encoder** [KSIA95, MKN+98, Nga95, KSI+96]. **End** [OKN+00, OW01, Vin07]. **Endian** [Jam90]. **Energy** [FAWR+11, KBN16]. **Energy-Efficient** [KBN16]. **Engine** [ACD+00, Sel18]. **Engines** [NABR95]. **Enhanced** [Luc99, SLR+99, KGM+00, Lee95]. **Entertainment** [Kut99, KKO06]. **entertainment-quality** [KKO06]. **EPI41100** [CEF+99]. **EPI41210** [CEF+99]. **EPI41210/EPI41100** [CEF+99]. **Epigram** [CEF+99]. **EPYC** [BT24]. **Era** [ND10]. **Establish** [NMP+96]. **Established** [Bas00]. **Estimation** [KSIA95]. **Ethernet** [AEJ+00, EM99, MD20]. **Evaluation** [EG95, GBW+23]. **Evening** [WBC+96]. **Evolving** [Bal95, Hes07]. **Exa** [TSW+23]. **Exa-Scale** [TSW+23]. **executing** [Cra90]. **Execution** [EG95, Kes98, Mod97, Rub97, ERPR95]. **Expanding** [NCT+98]. **experience** [KKO06]. **Exploiting** [Alt13]. **Exploring** [FZW+12]. **Exponentiation** [Oru94].

Express [CRTI00]. **Extensible** [Gon99, Gon00]. **Extension** [SBB^{+}17, TUHwH99]. **Extensions** [Gol00, Lee97, Mah96, Tha99].

Fabric [BJ06, DXT^{+}18, TKM^{+}02]. **Fabrics** [Wei00]. **Face** [WD03]. **Facing** [KML04]. **Families** [Bur99]. **Family** [Als90, Bal95, BvdGM^{+}15, McM95, OS08, Plu00a, PFK^{+}25, Seg99, SL00, Yeh06]. **Fast** [Ber98, CD95, DXT^{+}18, MMG^{+}98, O'C00b, O'C00a, OW01, Rub97]. **Faster** [Bal95]. **Fat** [VJFG17]. **Fault** [RSS^{+}08]. **Fault-Tolerant** [RSS^{+}08]. **Feast** [Eec16]. **Feature** [SHMS95]. **Features** [FAWR^{+}11, Kni99b, Naa95, Qua00]. **Fermi** [WKP11]. **Fi** [FM95]. **Field** [ABG^{+}16, BD99]. **Field-Programmable** [ABG^{+}16]. **Field-Sequential** [BD99]. **final** [Pap96]. **Fine** [BSP^{+}17]. **Fine-Grained** [BSP^{+}17]. **First** [BH15, BBTV15, Kag96, Lie23, McM95, Plu00a, Ste90a, Ste90b]. **First-Generation** [BH15]. **Five** [SVC01]. **Five-Qubit** [SVC01]. **Flexibility** [SL00]. **Flint** [IEE12]. **Floating** [BSC^{+}90, DKB^{+}90, ZSB21]. **Floating-Point** [BSC^{+}90, DKB^{+}90, ZSB21]. **Flying** [Chr96]. **Forum** [ES99, GTB99]. **Forward** [Joy96]. **Forwarding** [ACD^{+}00, O'C00b, O'C00a]. **four** [TO96a]. **four-issue** [TO96a]. **Fourth** [HMB^{+}14]. **Fourth-Generation** [HMB^{+}14]. **FPGA** [DAV06, Man09]. **Frame** [Nga95]. **Frequency** [RMC04, SBJ13]. **Fresh** [KR96]. **Front** [OKN^{+}00, OW01]. **Front-End** [OW01]. **Fujitsu** [YHT^{+}15]. **Full** [PAGC^{+}97, TSV^{+}20]. **Fully** [SBS^{+}06]. **Functions** [PAGC^{+}97]. **FuriosaAI** [CPL^{+}25]. **Fusion** [BFS12]. **Future** [AAFH95, CH06, GHSV^{+}11]. **FUZION** [McC99]. **FX** [Rub97, CHH^{+}98].

G [DRM^{+}23]. **G5** [SAC^{+}98]. **Game** [ML21]. **Gamma** [Tre97]. **Gate** [ABG^{+}16]. **Gaudi** [MD20]. **Gbps** [GDES08]. **GeForce** [MM05]. **Gen** [BT24, KCA25, PSB^{+}20]. **Gene** [HOF^{+}12]. **Gene/Q** [HOF^{+}12]. **General** [ESG^{+}05, TKM^{+}02]. **General-Purpose** [ESG^{+}05, TKM^{+}02]. **Generation** [AJK^{+}15, AFK^{+}19, BH15, BT24, Bir98, DAV06, DKyL^{+}17, ESG^{+}05, HMB^{+}14, KSSF10, KKK^{+}99, Mah96, MYK^{+}10, Phi98, She95, SBJ13, SGC^{+}16, SSR21, Tre96, Tre98, Vit00, Web08, YHT^{+}15, IDTS00]. **Generative** [SA25]. **Genesis** [Cho98]. **Geometry** [Kre98, TUHwH99, Tre97]. **Geoscience** [LCP^{+}11]. **Get** [RHK25]. **GF100** [WKP11]. **GFLOPS** [KIS^{+}99]. **Gigabit** [AEJ^{+}00]. **Gigascale** [Mei97]. **GLINT** [Tre96, Tre97]. **Gmicro** [KS90]. **Gmicro/300** [KS90]. **goals** [Pap96]. **Godson** [FZW^{+}12, HWG^{+}09]. **Godson-3** [HWG^{+}09]. **Godson-T** [FZW^{+}12]. **Golden** [DPY18]. **Goldstrike** [BH15]. **Good** [Ber98, Joh90]. **Google** [BDH03, NPY^{+}21]. **GPS** [KTP^{+}99]. **GPU** [Bur20, CGG^{+}21, Cho23, FD17, ND10, WKP11]. **GPUs** [Kur21]. **Grade** [WCX^{+}25]. **Grained** [BSP^{+}17]. **Grandmaster** [hH98]. **Graphics** [Awa95, Eer97, Jay98, Khu96, KBN16, LNOM08, MMG^{+}98, Pia98, Tre96, Tre98, Ano93c, Pri90, MM96]. **GreenDroid** [GHSV^{+}11]. **Griffin** [OS08]. **Guest** [AS95, AM08, AW10, BS98, DTB01, FD04, HW91, JA96, KW02, KS07, LB00, SS06, WD03]. **GX** [Pri90].

H100 [Cho23]. **Habana** [MD20]. **HAL** [She95, EG95]. **HALO** [SKW^{+}23]. **Hardware** [BYM^{+}06, BVD^{+}99, Bir98, BJ06, GHY^{+}17, Kal96, Lie23, SKW^{+}23, Sti19, YYA06, TO96b]. **Hardware/Software** [Kal96, Lie23]. **Haswell** [HMB^{+}14]. **HC** [Bre10]. **HC-1** [Bre10]. **HD** [GDES08]. **HDD** [TSI06]. **HDTV** [Hun97, SBS^{+}06]. **Hearing** [WMSH09]. **Heart** [Ari96]. **Heat** [Joh20].

heavily [Ano95]. **Heterogeneous** [MD06]. **Hexagon** [CAV+14]. **Hi** [FM95]. **Hi-Fi** [FM95]. **Hidden** [ML21]. **hiding** [Yea96]. **Hierarchy** [CKD+10]. **High** [ASN+99, Bat97, BTR02, Cha96, CCE+09, CM00, Cum04, GBW+23, HBG+97, Jay98, Kru00, Kum96, LCP+11, Luc99, Mod97, MD06, O'C00a, Plu00a, Plu00b, Pot97, Qua00, RC13, Shi98, SBJ13, SLR+99, TP10, WAA+20, WCX+25, Yeh06, YHT+15, Ano94a, IEE93, IEE94, TO96a]. **High-Bandwidth** [WAA+20]. **High-Frequency** [SBJ13]. **High-Performance** [ASN+99, CCE+09, CM00, Cum04, GBW+23, HBG+97, Jay98, Kru00, LCP+11, WCX+25, Yeh06, YHT+15, IEE93, TO96a]. **High-Speed** [O'C00a, TP10, SLR+99]. **Higher** [RMC04]. **highest** [AAW+96]. **Highlights** [AR16b]. **Highly** [CD95, EM99, Nt97, Pro06, Ano93c]. **highly-integrated** [Ano93c]. **History** [Bar21]. **HL** [MKN+98]. **Home** [CEF+99, FH00, JSR+99, KKO06, Rab06]. **Hopper** [Cho23]. **Horus** [KO05]. **Hot** [Alt13, Alt14, AAFH95, AR16b, Ano95, Ano00, Ano03, BS98, Eec15, Eec16, Eec17, HW91, Joh19, Joh90, JA96, KB20, Rat06, Ste90a, Ste90b, Var94, Ano93d, AY25, AS95, Alt11, AM08, AR16a, AW10, BB12, CM17, DTB01, DD05, DA23, Eec18, FD04, Hoo90, IEE93, IEE94, IEE95, IEE96, IEE97, IEE98, IEE99, IEE00, IEE01, IEE02, IEE03, IEE04, IEE05, IEE06, IEE07, IEE08, IEE09, IEE10, IEE11, IEE12, IEE13, Joh22, Joh23, Jou92, KvdW09, KZ13, KW02, KS07, KR19, Kur21, LV24, Mat97, NN14, NS15, RY21, Rei96, RE11, SS22, SS06, WD03]. **HP** [Kum96]. **Human** [WMSH09]. **Hybrid** [Pro06]. **Hydra** [HHS+99, HHS+00]. **Hyperthreading** [KM03].

I-Frame [Nga95]. **I/O** [WAA+20, Ber98]. **i486** [Cra90]. **i740** [Pia98]. **IA** [Fan99a, Fan99b, Kni99a, Kni99b, RDJ+13]. **IA-32** [RDJ+13]. **IA-64** [Fan99a, Kni99a, Kni99b, Fan99b]. **IA64** [KFL99]. **IBM** [Ari96, AHM+00, BBB+25, BWBJ11, HOF+12, KST04, KSSF10, OB91, RSS+08, STKS17, SBJ13, SAC+98, STSM21, TSW+01, Web08]. **IBMLZ1** [CD95]. **IC** [Bos96, BJ06]. **IC's** [Sam99]. **If** [War97]. **iFlow** [O'C00b, OG01]. **II** [Buc97, Mod97, BBB+25, Hes07, HW91, KTP+99, She99b]. **III** [AHM+00, Jou92, LL98, Nt97, NCT+98]. **Illinois** [CFK+10]. **Image** [KDR+00]. **IMAGINE** [KDR+00, KDK+01]. **Imaging** [Gol00, OKN+00, OW01]. **Impact** [Won03]. **Implementation** [Bat97, EGL+90b, HBG+97, Kag96, Kru00, TO96b, YYA06, SMHB91]. **Implementing** [BAC+90, Gar95]. **Implications** [Dub97]. **In-Package** [WAA+20]. **Inc.** [Plu00a]. **Inch** [PAGC+97]. **Incomplete** [Alt13]. **Increasingly** [Eec15]. **independent** [Chr96]. **Industrial** [WCX+25]. **Industrial-Grade** [WCX+25]. **Industries** [RSS98]. **Industry** [Eec17, MRC+20]. **Inference** [MD20, SB23]. **Inferno** [WP97]. **InfinBand** [Cas00]. **InfiniBand** [Ano00, Edd02]. **InfiniBridge** [Edd02]. **InfiniteReality** [MM96]. **Information** [Dav02, JSR+99, Mey06]. **Infrastructure** [PSB+20]. **initial** [Pap96]. **Innovate** [Bas00]. **Innovation** [CGG+21, Mey06, Seg99, WD03]. **Innovations** [Bre10]. **Innovative** [LD98]. **Insensitive** [NTK+97]. **Instinct** [SA25]. **Instruction** [BVD+99, Bre10, DHM97, Mah96, vES98, ERPR95]. **Instructions** [Pra96, Cra90, TO96a]. **Instructions/Cycle** [Pra96]. **instruments** [Chr96]. **Integrated** [Edd02, EM99, Jay98, Nem95, Nt97, NABR95, Pro06, Ano93c]. **Integration** [Mei97, Pet00]. **Intel** [AFK+19, BGP+25, BCC+02, BvdGM+15, DKyL+17, HMB+14, Mal97, Pia98, PFK+25, RNA+12, Sha00a, SGC+16, Wei96].

Intellectual [RSS98]. **Intelligent** [PAY96]. **Interaction** [Kal96]. **Interconnect** [FD17]. **Interconnects** [Ano00]. **Interface** [ASK97, FCD+99, PAGC+97]. **Interfaces** [SF18, SKW+23]. **Internal** [Shi98]. **Internet** [Plu00a, Plu00b, Tha99]. **Introducing** [FAWR+11]. **Introduction** [AS95, AM08, AW10, BS98, DTB01, ES99, FD04, HW91, Jou92, Kni99a, KW02, KS07, LB00, SS06, WD03, JA96]. **IP** [ACD+00]. **IP/MPLS** [ACD+00]. **IQ2000** [SL00]. **IRAM** [KGM+00, PAY96]. **Issue** [AY25, DA23, LV24, SS22, TO96a]. **Itanium** [MS03, MB05, Qua00, RMC04, Sam00a, Sha00a, Sha00b]. **Ivy** [PKB+15]. **Iwarp** [PSW91]. **IX** [IEE97, Mat97].

Java [Sha96, HBG+97, TO96b, WBC+96]. **Job** [Alt13].

K5 [Chr95, Chr96]. **K6** [OWJF98]. **K6-2** [OWJF98]. **Kabini** [BCF+14]. **Key** [Bir98, ESG+05]. **Keynote** [Hes07, Kut99, Pap98, Sam99, Vin07, Vit00]. **KiloCore** [BSP+17]. **Kinect** [SO14]. **Klessydra** [CSM+21]. **Klessydra-T** [CSM+21]. **Knights** [SGC+16]. **Know** [ABD+97, hH98]. **Knowing** [hH98].

L2 [Bur97]. **L3** [RMC04]. **Labs** [MD20]. **Laguna** [Buc97]. **Lagunita** [WBC+96]. **Lake** [AFK+19, BGP+25]. **Landing** [SGC+16]. **Landscape** [Eec15]. **Large** [KO05, KKSS99, TKS+99, Yea96]. **Large-Scale** [KO05]. **Larger** [RMC04]. **Latency** [Joh98, Yea96]. **latency-hiding** [Yea96]. **Law** [RSS98]. **Learning** [DPY18, Lie23, MRC+20]. **Level** [FZW+12, KSI+96]. **Lever** [Mey06]. **Lighting** [Tre97]. **Lightning** [Kre98]. **like** [Gar95]. **Limit** [Mei97]. **Line** [FH00, DGR99]. **Liquid** [BD99]. **Liquid-Crystal-on-Silicon** [BD99]. **Living** [vdWAB+06]. **LIW** [PSW91]. **Llano** [BFS12]. **LongRun** [Fle00]. **Look** [Lie23]. **Looking** [Joy96]. **Lookup** [O'C00a]. **Lookups** [O'C00b]. **Low** [ACD+00, BCD+11, CCA+19, Kru00, Luc99, NIJ+03, Plu00a, Plu00b, RC13, SLR+99, WAA+20, Yeh06, Ano93b, Ano94a, Ano94c]. **Low-cost** [SLR+99, Ano93b]. **Low-Power** [BCD+11, Kru00, NIJ+03, WAA+20, Yeh06]. **Low-Voltage** [CCA+19]. **LSI** [MKN+98]. **Lunar** [BGP+25].

M3 [RBGZ19]. **M32Rx** [Shi98]. **M32Rx/D** [Shi98]. **M7** [AJK+15]. **Machine** [DPY18, MRC+20, Ros99, WP97, TO96b]. **Machine-Learning** [DPY18]. **main** [KSI+96]. **Mainframe** [SBJ13, Web08]. **Mainstream** [Tre98]. **MAJC** [Tre99]. **Making** [SL00]. **Management** [Fle00, FAWR+11, RNA+12]. **Manticore** [ZSB21]. **Many** [FZW+12]. **Many-Core** [FZW+12]. **Manycore** [MFN+17]. **MAP** [Kec97]. **MAP1000A** [O'D99, BLO00]. **Marvell** [SSR21]. **MasPar** [Ano93d]. **Massively** [BJ06, McC99]. **Massively-Parallel** [BJ06]. **MATRIX** [DHM97]. **MAX** [Lee97]. **MAX-2** [Lee97]. **Mbps** [FH99]. **MC68060** [CEM+95]. **Mechanisms** [DSK+92]. **Media** [Bat97, CRTI00, DDC+98, Gan98, Kal96, KDK+01, KGM+00, NMP+96, Rat98, SLR+99, SBS+06, vES98, GTB99]. **Media-enhanced** [KGM+00]. **mediaDSP** [SP09]. **Mediaprocessing** [Dub97]. **Mediaprocessor** [BLO00, Luc99, O'D99, SRD96, THT+04]. **Meeting** [WCX+25]. **Member** [McM95]. **Memorial** [IEE98, IEE13]. **Memory** [AHM+00, CKD+10, DD05, EGL+90a, FSP06, Joh98, KKK+99, LATSK06, Naa95, NABR95, SB23, TSW+01, WBC+95]. **MEMS** [TP10]. **Merced** [War97]. **Message** [DSK+92, JW98]. **Message-Driven** [DSK+92]. **Metaflow** [PSS+91]. **Methodologies** [DXT+18]. **Methods**

[Gar95]. **MHz** [Ano93a, Bur97, Gan98, Kes98, LL98, Nt97, SHMS95]. **MI300X** [SA25]. **Micro** [Mat97, WK25]. **Micro-Architecture** [WK25]. **Microarchitecture** [DKyL+17, Kag96, KM03, MS03, RNA+12, TSW+23, Pap96]. **Microcontroller** [Shi98]. **Microlithography** [Won03]. **Micromachining** [Bos96]. **micron** [BB96]. **Microprocessor** [ABSS95, ANUN97, ANUN98, ABIK95, BB96, Bur97, Cho98, Chr95, CES+11, Eec15, Joy96, Kes98, KS90, NTK+97, OWJF98, OS08, PSW91, Phi98, RSS+08, SBJ13, Sla97, SAC+98, TKM+02, Web08, Ano93a, Ano94b, ERPR95, JA96, Yea96]. **Microprocessors** [Eec17, Gar95, LWC+16, LCP+11, Lee95]. **Microsoft** [Wha98]. **milestones** [Ano00]. **Millenium** [Kut99]. **Millennium** [Tre99]. **MIMD** [BJ06]. **Mining** [BH15]. **MiniRISC** [CC95]. **MIPS** [CC95, MWV92, Yea96]. **MIPS64** [Kru00]. **Mitigating** [Joh98]. **ML** [Joh20, MKN+98]. **MLPerf** [MRC+20]. **MMX** [Kag96, Mod97, Wei96]. **Mobile** [BBC+15, BGP+25, CAV+14, Dav02, Dit00, GHSV+11, KKO06, TSI06]. **Modular** [Oru94]. **Monitor** [Ros99]. **Monolithic** [ACD+00]. **Montecito** [MB05]. **Mops** [PSW91]. **Morello** [GBW+23]. **Morning** [Prz97, Sha96]. **Mote** [WAP00]. **Motion** [KSIA95]. **Motorola** [Als90]. **Mountain** [FD04]. **move** [KKO06]. **MP** [Ano93d, MKN+98, MKN+98]. **MP-2** [Ano93d]. **Mpact** [Kal96]. **MPC105** [WBC+95]. **MPEG** [KSI+96, Nga95, Ste95]. **MPEG-1** [Ste95]. **MPEG-2** [KSI+96, Nga95]. **MPEG2** [KSIA95, MKN+98]. **MPLS** [ACD+00]. **MSP** [NMP+96]. **Multi** [Hes07, MKN+98, MD06, SBKK99, Wei00]. **Multi-chip** [MKN+98]. **Multi-Core** [Hes07]. **Multi-Standard** [MD06]. **Multi-Terabit** [Wei00]. **Multi-Threaded** [SBKK99]. **Multicomputer** [DSK+92]. **Multicomputers** [PSW91]. **Multicore** [HWG+09, LATSK06, SP09]. **Multimedia** [ASK97, ANUN97, ANUN98, Buc97, CAV+14, Dja96, HYYS96, KR96, KBN16, Lee97, Mah96, SANK98, Tre95, vES98, Ano95, KKO06, Lee95, TO96a]. **Multiple** [PAA+06]. **Multiplexed** [Jam90]. **Multiprocessing** [ABG+16, KO05, MD06]. **Multiprocessor** [KMAC03, NIJ+03, SC91]. **Multiprocessors** [AAW+96]. **Multitenant** [MFN+17]. **Multithreaded** [BBSG11, CSM+21, KST04, KML04, KAO05]. **MXi** [Jay98]. **MxP** [CRTI00]. **MXT** [AHM+00, AHM+00, TSW+01].

N1 [PSB+20]. **Named** [DKyL+17, RNA+12]. **Names** [Vin07]. **Native** [Gar95]. **Near** [DFG+13, Khu96]. **Near-Threshold** [DFG+13]. **Neon** [MMG+98]. **Neoverse** [PSB+20]. **Netburst** [KM03]. **Network** [Bro00, FH00, GHY+17, Hed00, KML04, NH00, O'C00a, SF18, BWBJ11, SL00]. **Network-Facing** [KML04]. **Networking** [CEF+99, FH99]. **Networks** [ACD+00, CRTI00]. **Neural** [GHY+17]. **New-Generation** [MYK+10]. **News** [Ano00, Ano03, Mat97]. **Nexperia** [KKO06, Pro06]. **Next** [AJK+15, AFK+19, BT24, DAV06, ESG+05, KSSF10, KKK+99, PSB+20, SSR21, Vit00, Web08, YHT+15, IDTS00]. **Next-Gen** [PSB+20]. **Next-Generation** [AJK+15, BT24, ESG+05, KSSF10, SSR21, Web08, YHT+15]. **Niagara** [KAO05]. **Nintendo64** [Hay97]. **nm** [ABG+16, CCA+19, FME18, KBN16, Man09, RDJ+13]. **Node** [DSK+92]. **Non** [AEJ+00]. **Non-Blocking** [AEJ+00]. **NorthBridge** [CH06, AHM+00, KKK+99, OS08]. **note** [Joh90]. **Notebook** [Rei96]. **Nothing** [hH98]. **Novel** [vES98]. **NPU** [SL00]. **NS486** [Nem95]. **NT** [Rub97]. **Number**

[Bir98]. **NVIDIA** [Bur20, CGG+21, Cho23, LNOM08, BBTV15]. **NVLink** [FD17].

O [Ber98, WAA+20]. **Objective** [BB96]. **Octocore** [MYK+10]. **off** [Wei96]. **offs** [Pap96, SMHB91]. **On-Chip** [Bur97, PAGC+97, TO96a]. **On-line** [DGR99]. **One** [Sel18, Cra90, SO14]. **Open** [CCA+19, DXT+18, WCX+25]. **Open-Source** [CCA+19, DXT+18]. **Opening** [BWJ98, BBL99, SBS97]. **Operating** [Fle00, RDJ+13]. **Operation** [CCA+19]. **Opportunities** [Rab06]. **Opteron** [CH06, CKD+10, KMAC03, KO05]. **Optical** [WAA+20]. **Optimization** [Kid14, Kni99b, Plu00b]. **Optimized** [CAV+14]. **Optimizing** [Pap95, SL00]. **Oracle** [AJK+15, FJL+13]. **Orca** [Ari96]. **Order** [BVD+99, CCA+19, Kes98, Kum96]. **Oryon** [WK25]. **Oscillators** [TP10]. **Other** [Alt14, Hun97]. **Out-of-Order** [BVD+99, CCA+19, Kes98, Kum96]. **Outsider** [Ano18]. **Overview** [BGP+25, Bro00, Buc97]. **Owns** [vdWAB+06].

P55C [Kag96]. **P6** [Pap95]. **PA** [Kum96, Joh98, Lee97, Naa95]. **PA-8000** [Kum96, Naa95]. **PA-8500** [Joh98]. **PA-RISC** [Lee97]. **Package** [WAA+20]. **Packet** [ACD+00]. **Palo** [IEE98]. **Panel** [Bas00, GTB99, JSR+99, War97, WBC+96, Wha98, vdWAB+06]. **Papers** [RY21]. **Parallel** [BSP+17, BJ06, CFK+10, McC99, Bar97]. **Parallelism** [DD05, FZW+12]. **Parallelizing** [ADG+96, TGK+96, AAW+96]. **Part** [EGL+90a, Ste90a, Ste90b, EGL+90b]. **partially** [Joh90]. **Parts** [Plu00a]. **Pascal** [FD17]. **Pathways** [Ano18]. **PC** [KR96, Tre97, Tre98]. **PCI** [SRD96, Luc99, SLR+99, WBC+95]. **PCs** [Ros99]. **PE** [Ano93d]. **Pensando** [GM21]. **Pentium** [Ano94a, Pap96]. **PentiumAE** [Mod97]. **Performance** [ASN+99, Bat97, BBSG11, Cha96, CCE+09, CGF18, CGG+21, Cho23, CM00, Cum04, DD05, EG95, FD17, Gol00, GBW+23, HBG+97, Jay98, Khu96, Kru00, Kum96, LCP+11, MRC+20, Mod97, Naa95, Plu00a, Plu00b, Pot97, RC13, WCX+25, Wei96, Yeh06, YHT+15, Ano94a, IEE93, IEE94, OB91, Pap96, TO96a]. **Performance/Low** [Plu00b]. **PERMEDIA** [Tre98, Tre96]. **Personal** [Ano03]. **Perspective** [AAW+96]. **Petaflop** [SB23]. **Petascale** [MYK+10]. **Phi** [SGC+16]. **Philips** [KKO06]. **Phone** [FH00]. **Phoneline** [CEF+99, FH99]. **PicoJava** [TO96b]. **Pinnacle** [TSW+01]. **Pioneer** [Alt11]. **Pipeline** [Bat97, FCD+99, Pap95]. **Piton** [MFN+17]. **PivotPoint** [Cum04]. **Pixel** [PAGC+97]. **Planet** [BDH03]. **Platform** [ABG+16, KTP+99, Man09, NIJ+03, PSB+20, SP09, SA25, GBW+23, Ros99]. **PNX4103** [KKO06]. **PNX8535** [Pro06]. **Point** [BSC+90, DKB+90, ZSB21]. **Policy** [IDTS00]. **Port** [Bro00]. **Portable** [LS98, Sla97, THT+04]. **Potential** [ML21]. **Power** [ACD+00, BWBJ11, BCD+11, BvdGM+15, DD05, Fle00, Hay97, Hed00, Kid14, Kru00, MM96, NIJ+03, Plu00a, Plu00b, RC13, RNA+12, WAA+20, Yeh06, Ano94a, Ano94c]. **Power-Efficient** [BvdGM+15]. **Power-Management** [RNA+12]. **POWER10** [STSM21]. **POWER4** [FCD+99, MBB+99, Pet00, BTR02]. **Power5** [KST04]. **Power6** [RSS+08]. **Power7** [FAWR+11, KSSF10]. **Power9** [STKS17]. **Powerful** [KTP+99]. **PowerPC** [Ano94b, Bal95, Bur97, SBKK99]. **Preliminary** [WAP00]. **Preview** [DRM+23]. **PRISM** [SL00]. **Pro** [Pap96]. **Proceedings** [Rei96]. **Process** [Kid14, NPY+21]. **Processing**

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