

A Bibliography of Publications about the Python Scripting and Programming Language

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Abstract

This bibliography records books about the Python scripting and programming Language and related software.

-**Statistics** [JWHS16].

.**NET** [SKS08, HF06, SM04, Stu07].

/**Python** [LWH12, SV14].

Title word cross-reference

#**105** [Bri12a]. #**106** [Bri12b].

1 [DB17, Hug18, RKVL14]. 1.5 [SAA18].
\$24.95 [Lee17]. 3 [Bra13, ML16a, Pet02,
PBN+09, SDS00, ZL20]. **\$34.95** [Ano00a].
\$44.95 [Ano97a]. *D* [HH17]. Γ [DEMM19].
N [HH17]. *Q* [JWHS16].

-**D** [Pet02, RKVL14]. -**method** [DEMM19].

1.0 [KPK+17]. **10** [SV14]. **1004** [RG20].
10th [ACM97]. **11** [Ano18]. **11th** [IEE97a].
1997 [Ano97d].

2 [DPSD08, JNN13, LS17, MP19a]. **2.0**
[Ano00c, MBW07, Seg07, SJL18, Yes15]. **2.2**
[Chu02b]. **2.6** [Pay11]. **2000** [Ano00c]. **2001**
[Ano01a]. **2009** [Jan10]. **23** [ESM98].
251pp. [Gve09].

3 [Bea09a, Bea12, BJ14a, Fas18, HB16,
Kiu13, Lee17, MP19a, MH15, Per14b, Phi10,

Phi15, Pil09, SW15, Sum09, Sum10]. **3.0** [MMEH08, Per14b, Wei09]. **3.1** [Pay11]. **3D** [PAB⁺97, SML06].

4 [CSZ⁺19, Cla15]. **4th** [Ass96, USE00].

6 [Ano13]. **6th** [Ano97c].

7 [Ano15a]. **77** [GH18, GHN19].

839 [Kir04].

9 [Ano15b]. **910** [Kor11]. **923** [Wim12]. **'96** [HK95, Ass96]. **'97** [ACM97]. **978** [Ano13, Ano15a, Ano15b, Cla15, Lee17]. **978-0-12-418676-7** [Ano14]. **978-0-12-418683-5** [Ano14]. **978-0-521-72596-5** [Gve09]. **978-0-691-17050-3** [Lee17]. **978-1-4665-0455-4** [Cla15]. **978-1-59327-590-7** [Ano15a]. **978-1-59327-640-9** [Ano15b]. **978-1-59749-957-6** [Ano13]. **997** [Spe19].

absolute [Daw03, Daw06, Daw10, MTS⁺18]. **Abstraction** [Hen08, LP19]. **Abstractions** [RHM⁺17]. **accelerate** [LHM14]. **Accelerating** [ZLBF14, YPB16]. **acceleration** [Wu13]. **Accelerator** [RSRT19]. **accelerators** [Mar18]. **acceptance** [Sal14]. **access** [BB17]. **Accessing** [Buc14]. **Accord** [Sta19]. **acquisition** [Myr15]. **activation** [SH19b]. **Active** [BBB02, CHG⁺16, Mit00]. **Active-subspaces** [CHG⁺16]. **ActiveState** [Ano00c]. **ACTS** [DGMP09]. **Ada** [Bri12a, Bri12b, Men09, Och09, RAH⁺01]. **adaptive** [SVY09]. **Adding** [IOC⁺12, Tab10]. **Adjoint** [HA20]. **Administration** [Bru09, GJ08, Sil14]. **adsorbed** [SSH16]. **Advanced** [Chu07a, LT03, DDK19, Lan13]. **Advances** [Poo16, Spo12]. **Adventures** [Ric15]. **again** [Cas20]. **against** [Pre03]. **age** [LL08].

Agent [EVV12]. **agents** [HMD⁺96, Lot14b]. **Agglomerative** [Mül13]. **aggregate** [VFMM08]. **Agile** [Suc13, VB08, You08]. **Agoren** [Ano01a]. **Agreement** [EVV12]. **AI** [ZGL20]. **AIL** [vd91]. **Ajax** [RDS07]. **Ajax-powered** [RDS07]. **aktuell** [EK08]. **aktuelles** [Lin06b]. **Alberta** [ACM97]. **Alexander** [Ish17]. **algebra** [BCG05, JCMG11, Sah15]. **Algorithm** [BTR14, Wit15, Kir04, Kor11, RG20, Spe19, Tau16, Wim12]. **Algorithms** [BH12, Het10, Het14, Jan10, KBLJ18, Di 13, DV21, RZ09, VBM⁺18, Wep15]. **Alias** [GLS⁺10]. **Alice** [PAB⁺97, UVa95]. **all-atom** [HQF⁺20]. **alle** [Lin06b, The09]. **Allen** [Gve09]. **aller** [DF00]. **allow** [BM18]. **always** [Buc15]. **Amit** [Ano15b]. **analyses** [Spi18]. **Analysis** [BHS18, CH17, GdGB⁺18, GDP18, HU17, ISMA18, KSB12, Ls16, McK12, Mil18, MB07, OZW18, TGEA09, VPO19, XL18, AM19, Bow15, Cue13, GFB⁺14, GLS⁺10, Hug18, Idr14, Ish17, IOC⁺12, ICVG14, MP19a, NMG17, Nel15, RJAL09, RRRGVD19, SHFJ18, Sto13, SH19b, Tom15, Wes15, Yes15]. **analysts** [O'C13]. **Analytical** [NCS17, MS15]. **analytics** [CFÁA⁺20, DDK19, Mil14, Mil15, Nel15, RO15a, SK19]. **analyze** [Lay15, Lot14b, MB17, Wes15]. **analyzer** [MTPHH18]. **analyzing** [HFF⁺17, MK16, PMBF17]. **Andrew** [Ish17]. **Android** [Bar11]. **Andy** [Ano00a]. **angewendet** [Wei06a]. **angle** [MTPHH18]. **animation** [vdH18]. **Annotated** [Di 13, Wep15, Bro00]. **Annotator** [HYG16]. **Annual** [ACM97, Ass96, USE00]. **anomalies** [MTS⁺18]. **Anthology** [Anoxxb]. **Antlab** [GMS17]. **Any** [Pre03]. **Apache** [TSC02]. **API** [Ano98b, AJH⁺12, BG17, FSZD20, Kuc98c, Men09, SGPHD⁺17, Smi17, van98c]. **APIs** [Meh15]. **App** [Pip15, San15]. **Application** [Ano01b, BSSz⁺20, Gut16, Orb18, Bah15, BL97a, Buc15, HQF⁺20, HCPF95, Ree04,

Rem01b, SV14].

application-programming [SV14].

Applications

[AJH⁺12, Ble20, DGMP09, ML16a, MSR03, Nil07a, Pul00, RM19, Shi07, BL97b, BCG05, CV15, CB96, DAJ⁺15, Di 13, Gup15, HF06, Har12, Hig03, Jos15, Kar14, Lot14a, Pip15, RDS07, RG10, RCRS06, SW15, ST⁺07, SML06, Seg07, Ull15, Wei15, Wep15, Yan14, YHA⁺16, Zac15]. **apply** [Idr14]. **applying** [Sal14]. **Apprendre** [Swi09].

apprenticeships [Lon08]. **Approach**

[EVV12, Joh15, Mat16, Mis19, Arb14, Bro06, FMPS17, HHK⁺09, SML06, SWD15, Sha03].

Approaches

[KLM14, KLM15, Bra13, MD15, RMZG06].

Approximate [FV18]. **approxposterior**

[FV18]. **April** [IEE97a]. **Arc** [Ano00c].

ArcGIS [Tom15]. **ArcGIS-geospatial**

[Tom15]. **Architecture** [HM18, LLL⁺20].

Archive [Wal97]. **archives** [Bro00]. **ArcPy**

[Tom15]. **Arduino** [DAJ⁺15, KSH14].

Arithmetic [KJ14, Bri06]. **Arizona**

[Ano97d]. **ARL's** [War18]. **ARM** [HC16].

array [Fas18]. **Arrays** [HH17]. **art**

[Wei15, HC16]. **Article** [Wat95]. **Artificial**

[Tan06]. **ASCII** [IG19]. **Asia** [IEE97b].

aspiring [Lot14b]. **assembly** [TBJ18].

Assessing [LJ19]. **Associates** [Jan10].

AST [HWW⁺15, ZLBF14].

Astroinformatics [MAC14]. **astronomical**

[HJPB17]. **astronomy** [Ish17, ICVG14].

asymmetric [CFSK14]. **Atlanta** [USE00].

ATNF [Pit18]. **atom** [HQF⁺20]. **Atomic**

[OPA⁺14]. **atomistic** [HHP⁺16]. **Auction**

[EVV12]. **Auction-Based** [EVV12].

Ausdrücke [SKS08]. **AutoCNet** [LRPD18].

autoDIAS [SH19b]. **automan** [Ram18].

Automate [Swe14, Tom15]. **Automated**

[Bea98, HAB⁺20, LMW12, LLL⁺20, TS14,

Law15, SH19b, LW10]. **Automatic**

[MAC14, MO14, RJAL09]. **Automating**

[Ble20, RHM⁺17, JAGP14]. **Automation**

[OZW18, Ram18, Ste06]. **autonomous**

[FMPS17, Len15]. **avancées** [Chu07a].

awarded [Bal12]. **aware** [ABF13, VC18].

Awk [Bla02, Bla04]. **AWS** [Ano20].

B [Gve09]. **backed** [YHA⁺16]. **Bad**

[Bea09a]. **Banded** [Wim12]. **Banff**

[ACM97]. **Based** [Ang00a, Aya14, BBB02,

DGMP09, EVV12, Nor17, Ram18, RSRT19,

SN12, ZGL20, ABGD⁺20, AZLY18,

BKMY03, BKMY04, BB17, CFMR19, CB96,

Dec04, Gup15, JAGP14, KSH14, Lac06,

LYX⁺18, OL17, Ott18, PFH⁺16, PBN⁺09,

RS17, Rad06, Rad08, TEG18, YKKD19].

bases [Swi09]. **Bash** [Bla02, Bla04, Ano12].

Basic [Het14, Tro96a, Het10]. **basierenden**

[Lac06]. **basierte** [Ric14]. **basis** [Kir04].

Bastard [RAH⁺01]. **Batteries** [Dub07].

Bayes [Sto13]. **Bayesian**

[JG17, PHF10, Sto13, SBMD14]. **BDD**

[Sal14]. **BeagleBone**

[Hia15, Ric13, Ric14, Buc14]. **Beautiful**

[Nai14]. **become** [BM15]. **Bed** [Ngu08a].

Beedle [Jan10]. **beginner**

[Daw03, Daw06, Daw10, Swe13]. **beginners**

[Can14, Cha15, Fla08, She15, Swe14].

Beginning [Het05, Het08, KM15, McG07a,

Mue14, Pay11, Vai09, Vai14]. **behandelt**

[LAG07]. **behavior** [WMM18]. **Beispiele**

[The09]. **Beispielen** [The09]. **believe**

[KI19]. **BEM** [ŠBA⁺15]. **benefits** [CEI⁺12].

Best [Hug97, Sco17, LS98, ZKB⁺08].

best-bet [LS98]. **bet** [LS98]. **Better**

[Sit02, SW14, Sla15]. **between**

[DOS17, LFT09, Sta17]. **beyond**

[BMK03, GL08b, GL09, SB15]. **Big** [VSS17].

BIL [BM18]. **Bildbearbeitung** [DF00].

Bilder [DF00]. **Bind** [Cot03]. **Bindings**

[LFN⁺11, RJAL09]. **Biocomputing** [HK95].

Bioinformatics [Ant15, Fla08, Bas08,

Bas10, Kin09, SNB⁺19, SB15]. **Biological**

[AJH⁺12, VBB18, XL18].

Biological-Modeling [AJH⁺12]. **biologists**

[LHB14]. **Biology**

[MGS07, Di 13, LHM14, SB15, Wep15].

biomolecular [CBB14, CCFB16]. **bionic** [KI19]. **Black** [Sei14, Buc14, Ano15a]. **Blackboard** [UVa95]. **BLAKE** [AMPH14]. **blame** [VSS17]. **BLAS** [FSZD20]. **BLASFEO** [FSZD20]. **Blaxxun** [Ano00c]. **Bleeding** [Wil97a]. **Blitz** [AJJF14]. **Blood** [DB17]. **body** [Gra18]. **Book** [Ano97b, Ano97a, Ano00b, Ano00a, Ano13, Ano14, Ano15a, Ano15b, Bax01, Gve09, Hug01, Ish17, Ish19, Jan10, Joh97, Lak17, Lee17, LMW12, Mat16, Orb18, Roo98, Cha15, GHT06, GHT08]. **Bookshelf** [McG98c, Wil97b, Wil00, Wil01, Wil02]. **boost** [Lan13]. **boring** [Swe14]. **Borland** [Ano00c]. **Bose** [Nil07a]. **Both** [Hug97, Sma12, HB16]. **Boundary** [CFCB17, CCFB16, ŠBA⁺15, CBB14]. **Boundary-integral** [CFCB17]. **Box** [RAH⁺01]. **Boy** [RAH⁺01]. **breadth** [Sha03]. **breadth-first** [Sha03]. **Browser** [BP17, CB96]. **browser-based** [CB96]. **BSD** [DF00]. **BSP** [Hin03, HLSØ06]. **Buch** [vF97]. **Buchs** [The09]. **bug** [KCS11, LWH⁺10]. **bugs** [Ros08]. **Build** [RM19, Ada14, Bah15, Jos15, Lot14a, Nai14, Pip15, SML06, Tos09, Yan14, Zac15]. **Building** [BL97b, CR15, Gup15, Kar14, KDC⁺18, Rem01b, Ste06, DPH16, HF06, Hig03, HWW⁺15, RG10, Seg07, VBM⁺18]. **Buildings** [ZGL20]. **built** [DTM⁺18, Hos12]. **built-in** [DTM⁺18]. **Business** [Ano01b].

C [DF00, Jan10, Ano18, Bai08, Bea96, Bea98, BFM18, Bri06, BM18, CSZ⁺19, Cot03, Dal01, EPM09, GH18, GHN19, HAGH18, Kor11, LWH12, Nag06, Ngu08c, Pre03, Pul00, RZ09, Sah12, SV14, SML06, SGPHD⁺17, Smi18, SM04, Stu07, WX18, WMA12, Wil00, Yes15, Zho97, van98c]. **C#** [SKS08]. **C/C** [Bea98, Pul00, WMA12]. **CA** [Ano97a, Ano00a, Ass96]. **CAD** [Ano00c, Ngu08d]. **calculating** [Gre16]. **Calculation** [RG20, CFSK14, MR18, QZWU19]. **Calculations** [Kor11, OZW18, Cri18, Gra18, KPK⁺17]. **Calculus** [BH12, Sah15]. **California** [ACM92, Ano97c]. **caloric** [SAA18]. **CALPHAD** [OL17]. **CALPHAD-based** [OL17]. **Cambridge** [Gve09]. **Can** [Dör08, CBB14]. **Canada** [ACM97, USE96]. **canonical** [PHH⁺12]. **can't** [KI19]. **capabilities** [She97]. **capacity** [Zie19b]. **capture** [SGPHD⁺17]. **Careers** [Ano20, Cas20]. **Carlo** [ABGD⁺20, DEMM19, HQF⁺20, Mor17, Nil07b, PHH⁺12]. **Case** [JWHS16, AJJF14, HPH12, LJ19, LHM14, OMGDG14, RCRS06, ÜK12]. **Case-Control** [JWHS16]. **catalogue** [Pit18, Var16]. **cavities** [CBB14]. **CD** [DF00, Lin06b, The09]. **cell** [RKVL14]. **cellML** [CM07]. **census** [Smi17]. **CFD** [TGEA09]. **CG** [AJH⁺12]. **CGI** [Wei06a, Kuc98b, RG00, Van97b]. **CGI-Scripting** [Wei06a]. **cgimodel** [RG00]. **chain** [HQF⁺20, Mau02, You08]. **Challenges** [Sie17]. **Chameleon** [SVY09]. **change** [Cas17]. **Changes** [RAH⁺01]. **channel** [SGPHD⁺17]. **Chapman** [Ano01a]. **characteristics** [CSRV13]. **charge** [ABS20]. **Charts** [SJL18, Ada14]. **ChebTools** [Ano18]. **Chebyshev** [Ano18]. **checking** [Hen08, RF16]. **chemical** [HPT⁺16, NCS17]. **chemistry** [Dah18a]. **ChemPy** [Dah18a]. **Chet** [Ano14]. **CHICOM** [GHN19]. **Chimera** [HCPF95]. **Chityala** [Myr15]. **CHIWEI** [GH18]. **choice** [AJJF14]. **Choosing** [LS97]. **Christian** [Lak17]. **Chromatin** [CSZ⁺19]. **ChromStruct** [CSZ⁺19]. **Ciphers** [Swe13]. **Class** [Ngu08a, Hig03, RS17, TSD⁺12]. **classes** [How98, TSD⁺12, Ngu08c]. **Classification** [BHF16, CFSK14, Sta17]. **clear** [Ram15]. **Client** [Lac06]. **climate** [GWM18, Ros18, WHG17]. **CLIMLAB** [Ros18]. **Cloud** [Suc13, Kla11, NEGZG18].

Clustering [JWHS16, Müll13]. **CMIstark** [CFSK14]. **CMU** [Mac91, Mac92a, Mac92b]. **CNNs** [SH19a]. **co** [Wu13]. **co-designed** [Wu13]. **Cobol** [Ano01b]. **coco** [Sta17].
Code [Ano00c, Ano01b, CSZ⁺19, GHN19, Har15, HAB⁺20, Mit00, The09, VMFG17, XMW10, ABGD⁺20, AM10, Ber13, BC09, Buc15, Cas17, Day07b, GH18, Lot15b, MO14, RBV16, Ros08, SML06, WMM18, WZ18]. **Code-Beispiele** [The09]. **Codes** [Anoxxd]. **codice** [Day07a]. **coding** [Cha15, DV21, ZKB⁺08]. **coeur** [Chu07b, Chu07a]. **cold** [MTPHH18]. **cold-neutron** [MTPHH18]. **Collaboration** [Ano01b]. **collaborative** [VSS17]. **Collation** [Tau16]. **Collected** [Ngu08a]. **collecting** [Mit15, PMBF17]. **collection** [Ngu08d, Ngu08e]. **collections** [BDT13, DTM⁺18, SVY09]. **collective** [Seg07]. **Collector** [Roo97]. **combined** [AM10]. **Combining** [Zie19a, MS15]. **Comfort** [ZGL20]. **Command** [IG19]. **commandi** [Day07a]. **commands** [Day07b]. **Comments** [Roo97, VMFG17]. **commercial** [Tab10]. **Common** [Mac91, Mac92a, Mac92b, RO15b, RAH⁺01]. **Communications** [Ano00c]. **community** [Gar09]. **Comparative** [VPO19, Kak08, Mau02]. **comparing** [GHN19, MD15]. **Comparison** [Pre00, Zho97]. **Competitive** [DV21]. **compilation** [MD15, WMA12]. **Compiler** [Ano01b, CEI⁺12, HS12, IOC⁺12, Mac92b, Ott18, TTS⁺10]. **Compiling** [Fee16, CGK11]. **complete** [Meh15, Sum09, Sum10]. **completely** [Orl97]. **complex** [LR14]. **complexity** [KCS11]. **Compliant** [Ano01b]. **components** [HCPF95]. **Composable** [MLGW18]. **Composing** [RHM⁺17]. **compounds** [DMC⁺15]. **comprehend** [Cox14]. **Comprehensive** [RO15b, RG10, Tel06, You08]. **Compressive** [OPA⁺14]. **Computation** [AMGM20, Coe17, Gut13, Gut16, HA20, LLL⁺20, Orb18, Wim12, Guz03].
Computational [Aya14, Bäck07, Ble20, HM18, LT03, Lan08, MS07, OL17, VMFG17, Vir16, Bor07, HHK⁺09, Lan06, Lan07, MDRN18, TBA⁺17].
Computations [KJ14, AM10, CLM05, YFD98]. **Computer** [Dow15, IEE97b, MR07, Can14, Dow09, Jos15, JČMG11, MTS⁺18, MH15, Rad06, RMZG06, San13, Swe13]. **Computers** [BT06]. **Computing** [AJYH18, BSSz⁺20, HTA⁺97, HM18, LHB14, LD07, Oli07, PG07, PGH11, Ram18, VB08, BL97b, CSRV13, Cla15, DMC⁺15, DDMS14, DCOC⁺19, FKA⁺17, Her14, Kir04, LW10, Lub14, LS17, Mar18, Meh15, MBK09, Nil07a, Ras18, Ros13, Ros14, SAA18, YPB16]. **concentrations** [DMC⁺15]. **concentré** [Mar07]. **concepts** [BM15, ÜK12]. **concise** [Joh12, Ram15]. **concurrency** [Tab10]. **concurrent** [WO14]. **condensates** [Nil07a]. **Conditional** [Sco17]. **Conference** [ACM92, Ano97c, Eur91, HTA⁺97, IEE97b, USE96, USE00]. **Confidence** [PRH17]. **configuration** [Hos12, LJ19, QZWU19, VC18]. **confusion** [HJHZ18]. **Connolly** [Ish17]. **console** [Rem01b]. **constants** [DCOC⁺19]. **constructed** [HCPF95]. **constructing** [CB96]. **content** [GFB⁺14]. **context** [MR09, MBK09]. **continuation** [VY15]. **contract** [Plo97]. **contraction** [SG18]. **Control** [BBB02, JWHS16, KB07, BST⁺17]. **Controlled** [WX18]. **Controlling** [ZGL20, KSH14]. **conversion** [McF16]. **convert** [GZT⁺18]. **converter** [Sta17]. **converting** [Sta17]. **Convex** [Ble20]. **Cookbook** [Mar02, Ant15, BJ14a, Buc15, Cox14, Law15, MMA05, O'C13, Per14b, Ros14, Sar14, Zac15]. **cool** [Jos15]. **COOTS** [USE96]. **Copperhead** [CGK11]. **CORBA** [MSR03]. **Core**

[Bax01, Chu01, Chu07c, Chu07b, Chu07a]. **Corner** [Ano01a]. **corner.py** [FM16]. **corpus** [Joh08]. **Correction** [Ano02]. **Corrections** [Spe19]. **correctness** [Hen08]. **correlation** [MR18]. **correspondence** [LRPD18, RS17]. **cottoncandy** [NEGZG18]. **Counterexample** [LP19]. **counting** [GdGB⁺18]. **country** [Sta17]. **Coupled** [HM18]. **Coupling** [HM18]. **Course** [WX18, Fla08, GL07a, Guz03, MS15, Mau02, MSW08]. **courses** [RMZG06]. **cp** [Zie19b]. **cp-tools** [Zie19b]. **Cracking** [GAS⁺16]. **crafting** [Vai09, Vai14]. **CRC** [Cla15]. **Create** [Ano01a, Cha01, Kno08, Lay15, RDS07, Ull15]. **create-modify-reuse** [Kno08]. **Creating** [MD17, CR15, KL97, Mur18]. **creativity** [Gal14]. **Creator** [Chu02b]. **cross** [CFW17, HPT⁺16, Ull15]. **cross-machine** [CFW17]. **cross-platform** [HPT⁺16, Ull15]. **Crossing** [Gue18]. **crunching** [Wil05]. **cryptography** [Swe13]. **crystalline** [Zie19b]. **crystallography** [TV13]. **CS** [Sha03]. **CS1** [EPM09, GL07a, GL08c, Rad08]. **CS2** [EPM09]. **curriculum** [HRS06]. **customizable** [Bah15]. **Customized** [TGEA09]. **cutting** [RO15a]. **cutting-edge** [RO15a]. **CV** [Len15]. **cycles** [Hug18]. **Cython** [Smi15].

D [Bra13, DB17, Hug18, ML16a, Pet02, PBN⁺09, RKVL14, SDS00, SAA18, ZL20]. **D3GB** [BP17]. **DAG** [IG19]. **Data** [Ano97d, CSZ⁺19, GDP18, Gut16, HC16, KJ15, KHD⁺16, McK12, MT18, ML16a, Mil18, Ngu08a, RZ09, Van16, Wil05, Ada14, BST⁺17, BB17, BM15, CGK11, CFÁA⁺20, CR15, Cue13, DDK19, FKA⁺17, GdGB⁺18, GZT⁺18, HPT⁺16, HFF⁺17, Idr14, Ish17, ICVG14, JAGP14, LRPD18, Lay15, Lot14b, Mad15, MB17, MTPHH18, MMG19, Mil14, Mil15, Mit15, NMGB17, Nel15, Ras18, Ros13, Ros14, RC18, SML06, Smi17, SH19a, Tom15, Var16, Wes15, Orb18, Ish17, Jan10]. **data-intensive** [FKA⁺17]. **Database** [Ano00c, DDK19, SCAK⁺19, YHA⁺16]. **database-backed** [YHA⁺16]. **dataset** [RS17]. **Datasets** [HH17, HJPB17]. **Dateien** [DF00]. **Datenbanken** [The09, Wei06b]. **David** [Jan10]. **day** [Cha15, GL08b, GL09]. **DB** [Ano98b, Kuc98c]. **DB-API** [Ano98b, Kuc98c]. **dc** [CFSK14]. **Debian** [DF00]. **Debugging** [Par11, BL97a]. **December** [IEE97b]. **decision** [RBV16]. **declarative** [FMPS17]. **decomposition** [TEG18, DTR18]. **Deep** [JCY⁺19, RM19]. **deeper** [RO15a]. **defect** [DMC⁺15]. **defects** [BMZ⁺18]. **Deferred** [Spe19]. **defined** [Dah18b]. **defining** [RS17]. **Definitive** [HKM08, Gar09, Lot15b, Sum08]. **demonstration** [SCAK⁺19]. **demos** [Jos15]. **Dense** [Wim12]. **Dependent** [KSB12]. **Derivative** [CFMR19]. **Derivative-free** [CFMR19]. **Derivatives** [AMGM20, HM18]. **description** [Dec04]. **Design** [Ano01b, BBB02, Bro06, KL97, KB07, MMT09, MH18, Plo97, VKSB15, BCC⁺18, Dow09, Kas15, Len15, LHM14, MRG18, OA17, Wei15, Gve09]. **designed** [Wu13]. **Designing** [Mit00, CG17, ZKB⁺08]. **desktop** [Bah15, Law15]. **desukutoppu** [SM04]. **detailed** [Sar14]. **Detecting** [GAS⁺16]. **detectors** [ABGD⁺20, LWH⁺10]. **develop** [DAJ⁺15, DV21, Gup15, Jos15, Pal14, SW14, Sar14]. **Developer** [Hug01, RAH⁺01, dos01, Ano19]. **developers** [Tos09]. **developing** [Har12, RCRS06, RH15]. **Development** [Ano00c, Ano01b, GdGB⁺18, Hin03, HKM08, KM15, LD07, Bah15, BL97a, CFÁA⁺20, Con95, FBC09, Gar09, Gov15, Mau02, McG07a, Per14a, Pip15, Ree04, You08, Lac06]. **Devices** [Por03, KPK⁺17]. **Devito** [LLL⁺20]. **DGB** [Par11]. **dialect** [Men09]. **Different** [Bra13, KLM14, KLM15, Or197, PBN⁺09, Sta17, Wep15]. **Differential**

[BT06, GWW09, LT03, LMW12, MSL⁺07]. **Diffpack** [LT03, LM03]. **Diffusive** [BFM18]. **Digital** [Rad08, Hos14, LL08, Rad06]. **Dimensional** [Pat16]. **direct** [ML16b]. **discrete** [DPH16, JEC18, vdH18]. **Discretization** [BH12]. **Disease** [JWHS16]. **dispel4py** [FKA⁺17]. **display** [Wes15]. **Distance** [BSSz⁺20]. **distortion** [SH19b]. **distortion/interaction** [SH19b]. **Distributed** [Ano98c, ABC97, Eur91, KI19, SSH08, SCAK⁺19]. **distributed-memory** [SSH08]. **distributing** [ZKB⁺08]. **Distribution** [Ano00c]. **Distributions** [FV18]. **dit** [JEC18]. **Dive** [Orr05, Pil04, Pil09]. **Django** [EK08, Alc09, Ben08, FBC09, Gup15, HKM08, MBW07]. **DNest4** [BFM18]. **Document** [Ano00c]. **documents** [KL97]. **Does** [She97]. **Doing** [Sah15, Ano15b]. **DOLFIN** [LW10, LWH12]. **domain** [HWW⁺15]. **domain-specific** [HWW⁺15]. **Done** [HKM08, LRvE17]. **données** [Swi09]. **dot** [KPK⁺17]. **Downey** [Gve09]. **Downscaling** [LVH⁺18]. **dozen** [Ros08]. **draw** [RC18]. **Dreaming** [Ros08]. **driven** [Gov15, Kin05, LGS10, Per14a]. **dummies** [MM06, Mue14]. **dust** [Gre18]. **dustmaps** [Gre18]. **Dyer** [Ano00b]. **Dynamic** [DTR18, Ada14, BC09, CEI⁺12, DTM⁺18, FhDAF09, GLS⁺10, LWH⁺10, MRG18, OMGDG14, RF16, SAA18, Wu13, YHA⁺16, YPB16]. **dynamical** [Mar17, Wie18]. **Dynamically** [Kla99, BDT13, IOC⁺12]. **dynamically-typed** [IOC⁺12]. **dynamics** [CMM14, JNN12, JNN13, PW17, SV14]. **dynamism** [BCC⁺18].

e-book [Ano14]. **E-Business** [Ano01b]. **Early** [Sev15a]. **easily** [SW15]. **Easy** [RG00, SJL18, Arb14, Bea96, Cox14, Kla99, NEGZG18, PAB⁺97, Tos09]. **easy-to-comprehend** [Cox14]. **eBook** [Haj08]. **Econometrics** [CS09]. **Ecosystem** [PGH11]. **Eddylicious** [ML18]. **Edge** [Wil97a, RO15a]. **Edit** [BSSz⁺20]. **Editing** [Ano00c]. **Edition** [Ano00b, Orb18]. **Editor** [RAH⁺01, CB96, Dub07, Gar98]. **Education** [Bäc07, MS07, VMFG17, DDMS14]. **effect** [CFSK14]. **Effective** [Sla15, Cri18, Ram15, Wha18]. **effects** [SAA18]. **efficiency** [AM10]. **Efficient** [CSRV13, CFÁA⁺20, RG20, SN12, TEG18, Wim12, BM15, McF16, Pal14, SW14, Sie17, SK19, Zac15]. **efficiently** [Lot14a]. **effmass** [Wha18]. **egtplot** [MWS18]. **Eighth** [HTA⁺97]. **Einführung** [EK08, LAG07]. **Einsteiger** [Ric14]. **Einstein** [Nil07a]. **Einstieg** [The09]. **einsum** [SG18]. **einsum-like** [SG18]. **electric** [CFSK14]. **Electrical** [LYX⁺18]. **electro** [Wie18]. **electro-dynamical** [Wie18]. **Electromagnetic** [LFN⁺11]. **Electron** [ABGD⁺20, GDP18]. **electronic** [HTH⁺20]. **electrostatic** [ABS20]. **electrostatics** [CFCB17, CBB14, CCFB16]. **Elektronik** [Ric14]. **Elektronik-Projekte** [Ric14]. **Element** [LMW12, RHM⁺17, AM10, Kir04, LW10, LWH12, ZMS18]. **Elementary** [MS15]. **Elements** [Ano02, Ple02, CBB14, CCFB16]. **embedded** [Cas17, CGK11, LHM14, Par11]. **Embedding** [Nag06, Pul00, van98b, GF18, Rie09, van95a]. **emphasizing** [Gar09]. **Empirical** [Pre00, SS13, MP19a]. **employer** [Ano20]. **ENA** [BG17]. **Enabling** [GDP18, PHH⁺12]. **ENASearch** [BG17]. **encoding** [SGPHD⁺17]. **encrypt** [Lot14b]. **End** [LD07, GHT06]. **ends** [MP19b]. **energy** [GDP18, HHM18, MTPHH18, QZWU19]. **Engine** [Ano00c, Ang99, SCAK⁺19, Pip15, San15]. **Engineering** [IEE97b, STS⁺18, VMFG17, Kiu10, Kiu13, MP19b, SML06, Yan14]. **Engineers** [MA11, O'C13, Sei09]. **engines** [BKC14]. **English** [VPO19]. **enhanced** [WO14]. **ensure** [Buc15]. **ensuring** [RS17]. **Enterprise** [Hig03]. **Entity** [KDC⁺18].

Entwicklung [Lac06]. **Enumeration** [SN12]. **ENVI** [BM18]. **ENVI-BIL** [BM18]. **Environment** [Ano01b, BKMY03, BMK03, BKMY04, Pal14, VFMM08]. **Environments** [McG98c]. **eqtools** [CFW17]. **equation** [Bra13]. **Equations** [BT06, GWW09, LT03, LMW12, MSL⁺07, CKK⁺13, Dah18b, WZ18]. **equilibria** [CFW17]. **Equilibrium** [San13, DMC⁺15]. **Equivalent** [MH18]. **Era** [Sev15b]. **Errata** [Ano01a]. **ErsatzPasswords** [GAS⁺16]. **ESB** [Suc13]. **Essential** [Cop08, Joh08, Bea00, Bea06, Bea09b, Bow15, Day07b, Lot14b]. **Essentials** [PR02, Bah15, BM15, CV15, FL06, Lot15b, Moh15, Wes15]. **Estimate** [CSZ⁺19]. **Estimation** [Nor17, LWV20]. **èÜbungsaufgaben** [The09]. **EurOpen** [Eur91]. **Evaluating** [Dör08]. **Evaluation** [KLM14, KLM15, RO15b, TTS⁺10, BHJ⁺18, CSRV13, IOC⁺12, MD15, VKSB15]. **evaluator** [Huc18]. **even** [LR14]. **événements** [Swi09]. **Event** [Kin05, DPH16, HQF⁺20, vdH18]. **event-chain** [HQF⁺20]. **Event-driven** [Kin05]. **events** [LRvE17]. **everyday** [Wil05]. **evidence** [LFT09]. **Evolution** [Yes15]. **Evolutionary** [MWS18, Wie18]. **exact** [Bri06]. **Examining** [Ang99, CK00]. **example** [Jos15, RH15]. **exciting** [Gup15]. **Execution** [JCY⁺19, BKC14, Spi18]. **exemple** [MRA06]. **existing** [Lot15b]. **ExoData** [Var16]. **exoplanet** [Var16]. **expansions** [Ano18]. **Experience** [CM07, Pop10]. **Experiment** [WX18, BST⁺17]. **experimental** [KSH14]. **Experiments** [MD17, CG17]. **Expert** [Sma12, ZKB⁺08]. **Explain** [VMFG17]. **explaining** [LFT09]. **Explicit** [HPH12]. **Explorative** [HLR15]. **explore** [Mad15, Sah15]. **exploring** [BMK03, Sev13]. **Exposure** [JWHS16]. **express** [Har07]. **expression** [Stu03, Stu07]. **expressions** [LR14, Rom14, SG18, SM04, Stu07].

Extending [Dar12, DY96a, DY96b, DY99, van95a, van98b, CEI⁺12, PHH⁺12]. **extensibility** [Kla99]. **Extensible** [BL97a, CFW17, HCPF95]. **Extension** [Ngu08c, BSG⁺16]. **Extensions** [Ano98c, Bea98, Dal01, DPSD08, Ras18]. **Exterior** [BH12]. **Extracting** [HGMC⁺97]. **Extractive** [VPO19]. **extrinsic** [DMC⁺15]. **Eyringpy** [DCOC⁺19].

F [Ano00b]. **facilitating** [Spi18]. **FAD.js** [BB17]. **Fall** [MH18]. **FAQ** [Ano98e]. **Fast** [Mül13, BB17, Yes15]. **fastcluster** [Mül13]. **Faster** [SN12]. **father** [LS97]. **FDTD** [CKK⁺13]. **features** [LR14, Pip15]. **Featuring** [S JL18]. **FEniCS** [LMW12]. **fgivenx** [Han18]. **FIAT** [Kir04]. **Field** [Pat16, Cri18, Wie18]. **fields** [CFSK14, Mur18]. **Fifth** [CI96]. **files** [KI19, VC18]. **filled** [CBB14]. **Filter** [BHF16]. **Finally** [Aya14]. **Finance** [Vir16, Di 13, Hil15b, Wei15, Wep15, Yan14]. **financial** [Yan14]. **Finite** [Ano02, LMW12, Ple02, RHM⁺17, AM10, Kir04, LW10, LWH12, ZMS18]. **FiPy** [GWW09]. **Firedrake** [RHM⁺17]. **first** [GL08b, GL09, HRS06, MSW08, Rad06, SL08, Sha03, TSD⁺12]. **first-class** [TSD⁺12]. **fit** [GH18]. **Flask** [Gup15]. **Flexibility** [CFMR19, Gar09, PHH⁺12]. **Flexible** [KB07, BL97b, CSRV13, SAA18]. **Flow** [DB17, TGEA09, YHA⁺16]. **flows** [ML16b]. **Flowtracks** [ML16a]. **Fluent** [Ram15]. **fly** [Cas17]. **Follow** [STS⁺18]. **fondamentales** [Chu07b]. **Force** [OPA⁺14]. **foreign** [LWH⁺10]. **forensic** [Hos14, O'C13]. **Forensics** [Hos14, Ano14]. **Forests** [PRH17]. **form** [GS12]. **format** [Fas18]. **Formula** [AJJF14]. **Formulation** [Ble20]. **Fortran** [AJJF14, DY99, GH18, GHN19, LC11, MMEH08]. **Fortran-77** [GH18, GHN19]. **Fotos** [DF00]. **Foundation** [Ngu08c]. **Foundations** [RG10, RG14, You08]. **FPGAs** [AJYH18].

fracture [ZL20]. **fragments** [OA17]. **Framework** [HA20, JPOB20, MMT09, Nor17, Ram18, Zuk97, BSG⁺16, BK19, DMC⁺15, FMPS17, FKA⁺17, Gar09, GQCP⁺18, JNN12, JNN13, KSH14, Kuc98b, Law15, LC11, LGS10, LYX⁺18, Mar17, OMDG14, SV14, SAA18, Tay18, ZMS18]. **frameworks** [Dal07, Gup15, MBW07, RCRS06]. **Francisco** [ACM92]. **Franklin** [Jan10]. **Free** [Ano00c, Tro96c, Tro96a, Tro96b, Tro97, CFMR19, HFF⁺17, QZWU19]. **French** [Chu07b, Chu07a]. **friendly** [DDK19]. **front** [MP19b]. **front-ends** [MP19b]. **Frontier** [Gue18]. **full** [Pip15, PMM⁺13, Wie18]. **full-field** [Wie18]. **Function** [AMPH14, Kor11]. **Functional** [ACM92, Lot15a, MB07, BBH⁺15, Cla15, Han18, Her14]. **functions** [CSRV13, Kir04, May17, MR18]. **Fundamental** [Chu07b]. **fundamentals** [Chu08, Lee11]. **Funktionen** [Wei06b]. **Further** [LFT09]. **fvextra** [Poo16].

Gala [PW17]. **galactic** [PW17]. **Game** [Gut04, Har07, McG07a, RH15]. **Games** [KM15, MWS18, RH15, Swe09, Ull15]. **Gas** [Mor17, DCOC⁺19]. **gaseous** [ABGD⁺20]. **Gaussian** [SBMD14]. **Ge** [Wei06b]. **Ge-Packt** [Wei06b]. **Gem** [Bri12a, Bri12b, GF18]. **gem5** [RSRT19]. **Gemma** [Cas17]. **General** [AJYH18, LS16, AZLY18, Myr15]. **General-Purpose** [AJYH18, LS16]. **Generate** [Bie97]. **Generation** [Ano01b, HAB⁺20, JPOB20, AM10, Dal07, ML18, RJAL09]. **Generator** [Bri02, MO14, NCS17, WZ18, vd91, Hag17]. **genesis** [TV13]. **Geneva** [IEE97a]. **Genome** [BP17]. **genomic** [GQCP⁺18]. **gentle** [MS13]. **Geodesy** [Ngu08c]. **geometric** [PBN⁺09]. **geometry** [TEG18]. **Georgia** [USE00]. **Geospatial** [KHD⁺16, Bah15, Law15, Tom15, Wes15, Tom15].

German [Lac06]. **gestalten** [DF00]. **Get** [Wil02, CR15, Cox14, SW15]. **Getting** [Hos12, McG07b, Nai14, Nix15, Ric13]. **GIFT** [SGPHD⁺17]. **GIFT-Grab** [SGPHD⁺17]. **GIMP** [DF00, DF00]. **GIMP-** [DF00]. **GIS** [Bah15, Law15, Shi07]. **Glade** [Ano01a, Cha01, Ree04]. **glass** [WMM18]. **Global** [LVH⁺18]. **Globus** [Jac02]. **GlusterFS** [Dar12]. **GMES** [CKK⁺13]. **GNU** [DF00]. **Go** [Ano98d]. **Good** [Bea09a, Pre03, HB16]. **goodness** [GH18]. **Google** [Pip15, San15]. **GPU** [CFCB17]. **GPUs** [AJYH18, CBB14, CCFB16, VY15]. **Grab** [SGPHD⁺17]. **Gradual** [TSD⁺12, Sie17, VKSB15, VSS17]. **Grafik** [Lin06b]. **Grafik-Modul** [Lin06b]. **Grafiken** [DF00]. **Grammar** [MP19b]. **grand** [PHH⁺12]. **grand-canonical** [PHH⁺12]. **grants** [Bal12]. **Graph** [BSSz⁺20, Hag17, JCY⁺19, LS16, Boe17, GF18]. **Graph-Mining** [LS16]. **graph-theoretic** [Boe17]. **Graphical** [S JL18, Kar14, MTS⁺18]. **Graphics** [SDS00, GL08b, GL09, PAB⁺97, SML06]. **grasp** [Lot14a]. **gravity** [MTS⁺18]. **Gray** [Ish17, Sei09]. **Great** [RAH⁺01]. **groff** [RAH⁺01]. **GROMACS** [PHH⁺12]. **GromPy** [PHH⁺12]. **große** [Haj08]. **Grundlagen** [DF00]. **GSAS** [TV13]. **GSAS-II** [TV13]. **Gsolve** [MTS⁺18]. **GTK** [DF00]. **GTK-Versionen** [DF00]. **Guest** [Dub07]. **GUI** [Wei06a, Bri02, Con95, Har12, LS98, Sum08, Tal00]. **GUI-Programmierung** [Wei06a]. **Guide** [HAB⁺20, HKM08, Lee17, Mit00, Feh02, Gar09, Ish17, Ish19, ICVG14, KN15, Lot15b, Meh15, Mill14, RO15a, RG10, RH15, Sum08, Swe13, Tel06]. **Guided** [LP19, FhDAF09, Ott18]. **Guido** [Chu02b, Dou98, Kuc98a, Sev15a, Sev15b]. **GUIs** [EK08]. **Gumbie** [Bri02]. **gut** [SKS08]. **Guttgart** [Orb18].

H [HA20]. **H-Revolve** [HA20]. **Hack** [Ott18]. **hackers** [O’C13, Sei09, Sei14]. **Hacking** [Swe13]. **Haddad** [Ano00b]. **Halloween** [Cas17]. **Hammond** [Ano00a]. **hand** [Buc15]. **Handbook** [Van16, dos01, Hug01]. **Handbuch** [EK08, EK09]. **Handle** [GZT⁺18, CBB14, Var16, VC18]. **Handook** [RAH⁺01]. **Hands** [Mil18, Bro06, Cha15, Ros14]. **Hands-On** [Mil18, Bro06, Cha15, Ros14]. **HappyJIT** [HS12]. **Hardware** [JPOB20, Dec04, Tab10]. **harness** [Lay15]. **Hash** [AMPH14]. **Haskell** [CM07, Pop10]. **Hawaii** [HK95]. **heat** [SAA18, Zie19b]. **Heatrapy** [SAA18]. **Hector** [ABC97, WHG17]. **Height** [MH18]. **Held** [HTA⁺97]. **Help** [Dör08, HR00, HS13, Law15, Len15]. **Herman** [Cla15]. **Heterogeneous** [HM18]. **HexagDLy** [SH19a]. **hexagonally** [SH19a]. **HHVM** [Ott18]. **Hi** [CSZ⁺19]. **Hi-C** [CSZ⁺19]. **Hierarchical** [HA20, Müll13]. **High** [AMGM20, Dog15, GO14, Hin02, Hin03, Lew09, LD07, ML16b, CFÁA⁺20, GQCP⁺18, HF06, Lan13, Mar18, Ros13, Ros14, SNB⁺19, SSH08]. **High-Level** [Hin02, Hin03]. **High-order** [AMGM20]. **high-performance** [HF06, Mar18, Ros13, Ros14, SNB⁺19, SSH08]. **high-throughput** [GQCP⁺18]. **higher** [MO14]. **highlighter** [BC09]. **Hill** [Lak17]. **Hindi** [VPO19]. **histograms** [GH18, GHN19]. **Historic** [TS14]. **Hits** [Sco17]. **hmis** [MB17]. **Holistic** [VFMM08]. **Holographic** [BDF⁺20]. **HoloPy** [BDF⁺20]. **home** [Ste06]. **homotopy** [VY15]. **Hong** [IEE97b]. **Hosmer** [Ano14]. **hot** [OMGDG14]. **hot-reprogramming** [OMGDG14]. **Houches** [Sta19]. **Hour** [Ngu08b]. **HSImage** [BM18]. **HTML** [Bie97, KL97]. **HTML-supporting** [KL97]. **HTML5** [Ada14]. **HTML5-ready** [Ada14]. **HTMLgen** [Ham98]. **huge** [Cox14]. **Hughes** [Ano00b]. **humanleague** [Smi18].

HW [Wu13]. **HW/SW** [Wu13]. **Hybrid** [LP19]. **hydraulic** [ZL20]. **hyogen** [SM04]. **Hyperbolic** [LeV09]. **hyperspectral** [BM18]. **HyPhy** [Spi18]. **HYSPLIT** [War18].

i-PI [CMM14]. **IAST** [SSH16]. **Ibrahim** [Ano00b]. **IDE** [Ano01b, SW14]. **Ideal** [SSH16]. **ideas** [Chu07b, Chu07a]. **identification** [LRPD18]. **II** [Ang00c, TV13]. **Iisignature** [RG20]. **Image** [Ble20, SLGB14, LRPD18, Myr15]. **Images** [ISMA18, OPA⁺14, BM18, TEG18]. **Imaging** [MB07, CG17]. **immediately** [Cha15]. **impact** [LJ19]. **Impedance** [LYX⁺18]. **Imperative** [JCY⁺19]. **Implement** [Mil18, Wei15]. **Implementation** [BBB02, JWHS16, Ngu08a, ABS20, BISC14, DEMM19, KL97, OA17, Sco17, Tau16]. **Implementations** [RO15b]. **Implemented** [BHF16, Bra13, Kar14]. **Implementing** [Bri06, EVV12, Nil07b, Zuk97, RNR17]. **improved** [Sco17]. **improvements** [DPSD08]. **Improving** [Ago01, CFMR19]. **In-Code** [VMFG17]. **In-database** [SCAK⁺19, DDK19]. **Included** [Dub07]. **includes** [Gar09, SML06]. **independent** [PFH⁺16, She97]. **indispensable** [Buc15]. **Industry** [Joh15, Mat16]. **Infer** [VBB18]. **Inference** [SN12, SBMD14]. **inflationary** [MR18]. **inflow** [ML18]. **informatics** [Sev13]. **information** [Gra18, HGMC⁺97, JEC18, Sev13, YHA⁺16]. **Informix** [Ano00c]. **Inhibiting** [GAS⁺16]. **Initiation** [Bai08]. **initio** [CMM14]. **inkl** [The09]. **inputs** [CSRV13]. **ins** [DF00, Est01]. **insightful** [Lay15]. **insights** [RO15a]. **inspired** [VBM⁺18]. **Instant** [WMA12]. **Instantiation** [Ano01b]. **Instrumentino** [KSH14]. **instruments** [KSH14]. **insulators** [BMZ⁺18]. **Integral** [RG20, ŠBA⁺15, CMM14, CFCB17]. **integrals** [BHJ⁺18]. **integrate** [CV15].

integrating [Bea96, TSC02]. **integration** [Dah18c]. **integrations** [Suc13].
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Intelligence [Tan06, Lot14b, Seg07].
Intelligent [RM19, ZGL20]. **intensive** [FKA⁺17]. **Inter** [AAC⁺98].
Inter-Language [AAC⁺98]. **interacting** [BG17]. **interaction** [BM18, SH19b].
interactions [MMEH08]. **Interactive** [BP17, PG07, RAH⁺01, SDS00, DDK19, Len15, PAB⁺97, Ros13, Ros14, Ull15, Ano00c]. **interdisciplinary** [SWD15].
Interface [ACM97, DGMP09, SJL18, CMM14, DOS17, Gre18, HJPB17, HHP⁺16, Jac02, MTS⁺18, Pit18, PHH⁺12, PWF17, Spo12, WZ18, WHG17]. **Interfaces** [Ano01a, Cha01, LWH⁺10, Smi17, Smi18].
interfacial [SHFJ18]. **interferometric** [HJPB17]. **intermetallic** [DMC⁺15].
International [Ano97c, CI96, IEE97b, IEE97a]. **Internet** [DF00, Joh97, The09, Wei06b, Ano97b, DAJ⁺15, McG98b, Shi07, WvA96].
Internet-Programmierung [Wei06b].
interpreted [BKC14]. **Interpreter** [van98b, CM07, van95a]. **interpreters** [HWW⁺15, MD15, ZLBF14]. **interstellar** [Gre18]. **Intervals** [PRH17]. **Interviews** [Kuc98a]. **intricacies** [Lot14a]. **intrinsic** [DMC⁺15]. **Introducing** [BC09, GL07a, HRS06, Lub14].
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Introductory [KLM14, KLM15, WX18, LFT09, MBK09, RMZG06]. **Intuitive** [Hug14]. **invariant** [LGS10].
invariant-driven [LGS10]. **inventing** [Hos14]. **Investigates** [Ano95].
Investigation [SS13]. **invited** [Sie17].
involving [SAA18]. **IO** [Buc14]. **ion** [BFT20]. **IoT** [ZGL20]. **IPython** [Ber13, PG07, Ros13, Ros14]. **ISBN** [Ano13, Ano14, Ano15a, Ano15b, Cla15, Lee17].
isotropic [Mur18]. **Iterated** [RG20].
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J [Ano00b, Ano13, Ish17]. **Jacob** [Ish17].
Jacobian [NCS17]. **Jacquez** [JWHS16].
January [HK95]. **Java** [SML06, SKS08, Ang99, Ano00c, Ano01b, Ano20, HF06, Hig03, Hug97, MSR03, Pre03, Rem01b, Roo97, SM04, Stu07, Tro97, Wil05, Zho97].
Java-Compliant [Ano01b]. **JavaScript** [Ric14, Gar09]. **JCanvas** [Ano01b]. **JDBC** [Tan01]. **jedem** [Wei06a]. **JeLLyFysh** [HQF⁺20]. **Jesse** [Lee17]. **Jinn** [LWH⁺10].
JIT [ABF13, BBH⁺15, BB17, CEI⁺12, HS12, Ott18, PFH⁺16]. **JIT-based** [BB17, PFH⁺16]. **John** [Jan10, Orb18].
Jose [Ano97c]. **JPython** [Ang99]. **JSON** [BB17]. **Jug** [Coe17]. **Julia** [BCC⁺18, MT18]. **July** [Ano01a, Ass96].
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Just-in-time [RF16, LJ19, TTS⁺10, WMA12]. **Justin** [Ano15a]. **Jython** [PR02, Bri02, Hig03].
Kapitel [Wei06a]. **KDE** [Ano00c]. **Keeping** [Chu02a]. **Kernel** [Ago01, Ano01a]. **key** [BM15, RS17]. **key-based** [RS17]. **keynote** [McK16]. **Kids** [Lin06b]. **Kinder** [Lee17].
kinetic [LWV20]. **kinetics** [NCS17]. **kisses** [Bri12a, Bri12b]. **Kivy** [Ull15]. **Klassen** [Wei06a, Wei06b]. **Knowbot** [HMD⁺96].
Kong [IEE97b]. **Korner** [Ago01]. **kurz** [SKS08].
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labeled [HH17]. **Lady** [Bri12a, Bri12b].
Langages [Bla02]. **Language** [AAC⁺98, Ano95, BKL09, CL06, Ful96,

HC16, Het10, Het14, LD07, Lut98a, PFH⁺16, RM19, Rie09, Roo97, Sco09, SS13, Tro96c, van98a, vRD05a, AJJF14, BBH⁺15, Bor07, CLM05, Can14, CEI⁺12, CGK11, Dec04, DY96a, Fee16, HWW⁺15, IOC⁺12, LS97, LWH⁺10, LGS10, MR07, Nel15, Ngu08d, Och09, Ori97, Per14b, SL08, SNB⁺19, She97, Sum09, Sum10, vd91]. **Language-independent** [PFH⁺16]. **Languages** [Ano98d, Dör08, ESM98, Pre00, Pre03, Bea96, BL97b, BDT13, BKC14, Cas20, CEI⁺12, DTM⁺18, FhDAF09, GLS⁺10, HPH12, LS97, Mau02, MRG18, Ngu08e, OMGDG14, RF16, Wu13, YPB16]. **large** [BL97b, BCG05, Var16]. **large-scale** [BL97b]. **LAST** [Sco17]. **latest** [Cas20]. **Lattice** [Mor17]. **Lattice-Gas** [Mor17]. **lattice_mc** [Mor17]. **Laughs** [Wil97a]. **layers** [CBB14]. **Lazily** [Har15]. **LazySorted** [Har15]. **Learn** [Cha15, Don14, Ros13, CV15, HS13, Idr14, Mad15, Nai14, Swe09, ZKB⁺08]. **Learning** [Ada14, Arb14, BW14, Duf15, Gun14, Hia15, Hil15a, Hil20, Hug99, JCY⁺19, Lay15, Len15, LA99, LA04, Lut08, Lut09a, Lut09b, Lut13, MH15, RM19, Ros13, SW15, Bow15, CR15, Har07, Ish17, ICVG14, Kar14, RS17, RO15a, Ras18, SCAK⁺19, Lak17]. **LEED** [GDP18]. **LEEM** [GDP18]. **LegacyJ** [Ano01b]. **LEGOs** [BMK03]. **Leitfaden** [Haj08]. **lets** [Cas17]. **Letter** [Gar98]. **Letters** [RAH⁺01]. **Level** [Hin02, Hin03, Myr15]. **leverage** [LR14, SW14]. **Libraries** [MLGW18, Bah15, Hig03, She97, Wes15]. **Library** [AMGM20, BTR14, CHG⁺16, CR12, HC16, HAGH18, ISMA18, LS16, Lun01, RG20, AM19, Ada14, BG17, BM18, Cri18, Gre16, HJHZ18, HTH⁺20, HU17, HB16, JAGP14, KL97, LRPD18, LRvE17, LWH12, May17, MMP11, MK16, PBN⁺09, RJAL09, RC18, SH17, Ull15, Yes15, ZMS18, Zie19b, van95b]. **life** [Yan14]. **lightweight** [Bah15, Gar09]. **Like** [Dow15, Dow09, SG18]. **Line** [IG19, Har07, Har07]. **Linear** [SBMD14, BCG05, CFSK14, Dah18b]. **Lines** [HAB⁺20]. **linguistics** [Joh08]. **Linking** [vd91]. **Linux** [Ano00b, DF00, Ric14, USE00, Ago01, Ano00b, Ano00c, Bla02, Bla04, GJ08, Lac06, MS⁺00, Par11, RAH⁺01, TSC02]. **Linux-basierte** [Ric14]. **Lion** [BFT20]. **Lisp** [ACM92, Mac91, Mac92a, Mac92b]. **List** [Har15]. **lists** [Ano20]. **little** [VSS17]. **LJ** [Kuc98a, RAH⁺01]. **LLNL** [Ano98c]. **LLNL-Distributed** [Ano98c]. **LLVM** [RSRT19]. **LLVM-Based** [RSRT19]. **Log** [RG20]. **logic** [Bro06]. **Loop** [ABF13, LS17]. **Loop-aware** [ABF13]. **Loosa** [RAH⁺01]. **Low** [GDP18]. **Low-energy** [GDP18]. **LSPR** [CFCB17]. **Lua** [Gut04]. **Lunch** [Ang00a]. **Lutz** [Ano97a].

M [Jan10, Lee17, Wep15]. **Mac** [SML06, Wal07]. **Machine** [Bow15, CFW17, CR15, Ish17, ICVG14, Kar14, MRG18, RS17, RO15a, Ras18, SCAK⁺19]. **machines** [MRG17, PFH⁺16]. **Made** [RG00, AW06, Cox14]. **MAGICC** [GWM18]. **Magnetic** [MB07, CFW17]. **Magni** [OPA⁺14]. **maintaining** [RS17]. **majors** [Guz03, HHK⁺09]. **make** [Mad15]. **makes** [Kla99]. **Making** [Dal01, DDK19, Swe09]. **manage** [RC18]. **Management** [Ano97d, Ano00c, BBB02, IG19, KDC⁺18, ML16a, AW06, Hos12, JAGP14]. **Managing** [Por03, PMBF17]. **Manifolds** [HAGH18]. **manipulate** [GZT⁺18]. **Manipulation** [Mil18]. **ManPy** [DPH16]. **Manual** [DF00, van98c, vRD05a, Mac91, Mac92a, van95c, HYG16]. **manufacturing** [DPH16]. **many** [Gra18]. **many-body** [Gra18]. **Maple** [GS12]. **mapped** [Fas18]. **mapping** [HK15, Tom15]. **maps** [Gre18]. **March** [HTA⁺97]. **Marginalization** [SN12]. **Mark** [Ano97a, Ano00a]. **Marketing** [Mil15]. **Mass** [SN12, Wha18]. **massively** [BSG⁺16]. **master** [Ada14, Meh15, Pip15, Zac15].

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Mathematics [LL08]. **Matplotlib** [RC18, Tos09, Nel15]. **Matrices** [FSZD20, Wim12, FM16]. **matrix** [HJHZ18, SH17]. **Maxwell** [CKK⁺13]. **May** [Ano97d, Ano01a, Eur91]. **Maya** [Gal14].
Maybe [How06]. **MCycle** [Hug18].
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media [Guz03]. **Mediator** [Far02].
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mesh [GS12]. **message** [BL97a]. **Meta** [Tro96b, MD15]. **meta-compilation** [MD15]. **metagraphs** [RNR17]. **Method** [LMW12, RHM⁺17, CKK⁺13, DEMM19].
Methodologists [Dör08]. **Methods** [Gez20, LT03, MS07, Nor17, AM10, GF18, Kiu10, Kiu13, You08]. **metrics** [Gre16].
MGtoolkit [RNR17]. **microcontrollers** [Ano19]. **microframework** [VBM⁺18].
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Misconception [RAH⁺01]. **Mitch** [Ano01a]. **Mitchell** [Mit00]. **Mix** [Est01].
Mix-ins [Est01]. **MLxtend** [Ras18].
mmappickle [Fas18]. **MN** [HTA⁺97]. **MO** [Cas17]. **Mobile** [ST⁺07, HMD⁺96, Len15].
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Monterey [Ass96]. **monty** [PMM⁺13].
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mpnum [SH17]. **Multi** [EVV12, GMS17, MLGW18, Och09, Pul00, BHJ⁺18, Fee16, LRPD18, MTPHH18, QZWU19, SGPHD⁺17]. **Multi-Agent** [EVV12]. **multi-channel** [SGPHD⁺17].
multi-configuration [QZWU19].
multi-image [LRPD18]. **Multi-language** [Och09, Fee16]. **Multi-Processing** [MLGW18]. **Multi-Robot** [GMS17].
multi-scale [BHJ⁺18]. **Multi-Threaded** [Pul00]. **Multi-Threading** [MLGW18].
Multiclass [HJHZ18]. **Multicomplex** [AMGM20]. **Multidisciplinary** [MMT09, HHK⁺09]. **Multidual** [AMGM20].
MultiFLEXX [MTPHH18]. **multiflexxlib** [MTPHH18]. **multigrid** [BISC14].
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Multiple-Precision [Kor11]. **Multiscale** [LWV20]. **multithreading** [Swi09].

multivariate [CSR13]. **MultiZ** [AMGM20]. **music** [MBK09]. **Musterlösungen** [Wei06a]. **MWA** [HYG16]. **MyHDL** [Dec04]. **Myro** [Men09]. **MySQL** [Bis01, HF06, TSC02]. **Mython** [Rie09].

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