A Bibliography of Publications about the Python Scripting and Programming Language

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

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: `beebe@math.utah.edu`, `beebe@acm.org`, `beebe@computer.org` (Internet)
WWW URL: `http://www.math.utah.edu/~beebe/`

03 December 2016
Version 2.105

Abstract

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

Title word cross-reference

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

1 [RKVL14]. 3 [Bra13, Pet02, PBN+09, SDS00]. *Q* [JWHS16].

- [GL08c]. **-D** [Pet02, RKVL14]. **-Statistics** [JWHS16].

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

/Python [LWH12, SV14].

10 [SV14]. **10th** [ACM97]. **11th** [IEE97a]. **1997** [Ano97c].

2 [DPSD08, JNN13]. **2.0** [Ano00b, MBW07, Seg07, Yes15]. **2.2** [Chu02b]. **2.6** [Pay11]. **2000** [Ano00b]. **2001** [Ano01a]. **2009** [Jan10]. **23** [ESM98].

3 [Bea09a, Bea12, BJ14a, Kiu13, MH15, Per14b, Phi10, Phi15, Pil09, SW15, Sum09, Sum10]. **3.0** [MMEH08, Per14b, Wei09]. **3.1** [Pay11]. **3D** [PAB+97, SML06].

4th [Ass96, USE00].

6th [Ano97b].

839 [Kir04].

910 [Kor11]. **923** [Wim12]. **'96** [HK95, Ass96]. **'97** [ACM97].

absolute [Daw03, Daw06, Daw10]. **Abstraction** [Hen08]. **accelerate** [LHM14]. **Accelerating** [ZLBF14, YPB16]. **acceleration** [Wu13]. **acceptance** [Sal14]. **Accessing** [Buc14]. **acquisition** [Myr15]. **Active** [BBB02, Mit00]. **ActiveState** [Ano00b]. **ACTS** [DGMP09]. **Ada** [Bri12a, Bri12b, Men09, Och09, RAH+01]. **adaptive** [SVY09]. **Adding** [IOC+12, Tab10]. **Administration** [Bru09, GJ08, Sil14]. **adsorbed** [SSH16]. **Advanced** [Chu07a, LT03, Lan13]. **Advances** [Poo16, Spo12]. **Adventures** [Ric15]. **against** [Pre03]. **age** [LL08]. **Agent** [EVV12]. **agents** [HMD+96, Lot14b]. **Agglomerative** [Mül13]. **aggregate** [VFMM08]. **Agile** [Suc13, VB08, You08]. **Agoren** [Ano01a]. **Agreement** [EVV12]. **AIL** [vd91]. **Ajax** [RDS07]. **Ajax-powered** [RDS07]. **aktuell** [EK08]. **aktuelles** [Lin06b]. **Alberta** [ACM97]. **algebra** [BCG05, JČMG11, Sah15]. **Algorithm** [BTR14, Wit15, Kir04, Kor11, Wim12]. **Algorithms** [BH12, Het10, Het14, Jan10, Di 13, RZ09, Wep15]. **Alias** [GLS+10]. **Alice** [PAB+97, UVa95]. **alle** [Lin06b, The09]. **aller** [DF00]. **always** [Buc15]. **Analysis** [KSB12, McK12, MB07, TGEA09, Bow15, Cue13, GFB+14, GLS+10, Idr14, IOC+12, Nel15, RJAL09, Sto13, Tom15, Wes15, Yes15]. **analysts** [O'C13]. **analytical** [MS15]. **analytics** [Mil14, Mil15, Nel15, RO15a]. **analyze** [Lay15, Lot14b, Wes15]. **Android** [Bar11]. **angewendet** [Wei06a]. **Annotated** [Di 13, Wep15, Bro00]. **Annual** [ACM97, Ass96, USE00]. **Anthology** [Anoxxb]. **Any** [Pre03]. **Apache** [TSC02]. **API** [Ano98b, AJH+12, Kuc98c, Men09, van98c]. **APIs** [Meh15]. **App** [Pip15, San15]. **Application** [Ano01b, Bah15, BL97a, Buc15, HCPF95, Ree04, Rem01b, SV14]. **application-programming** [SV14]. **Applications** [AJH+12, DGMP09, MSR03, Nil07a, Pul00, 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, Arb14, Bro06, HHK+09, SML06, SWD15, Sha03]. **Approaches** [KLM14, KLM15, Bra13, MD15, RMZG06]. **April** [IEE97a]. **Arc** [Ano00b]. **ArcGIS** [Tom15]. **ArcGIS-geospatial** [Tom15]. **Archive** [Wal97]. **archives** [Bro00]. **ArcPy** [Tom15]. **Arduino** [DAJ+15, KSH14]. **Arithmetic** [KJ14, Bri06]. **Arizona** [Ano97c]. **art** [Wei15]. **Article** [Wat95]. **Artificial** [Tan06]. **Asia** [IEE97b]. **aspiring** [Lot14b]. **Associates** [Jan10]. **AST** [HWW+15, ZLBF14]. **Astroinformatics** [MAC14]. **asymmetric** [CFSK14]. **Atlanta** [USE00]. **atomistic** [HHP+16]. **Auction** [EVV12]. **Auction-Based** [EVV12]. **Ausdrücke** [SKS08]. **Automate** [Swe14, Tom15]. **Automated** [Bea98, LMW12, TS14, Law15, LW10]. **Automatic** [MAC14, MO14, RJAL09]. **automation** [Ste06]. **autonomous** [Len15]. **avancées** [Chu07a]. **awarded** [Bal12]. **aware** [ABF13]. **Awk** [Bla02, Bla04].

backed [YHA+16]. **Bad** [Bea09a]. **Banded**

[Wim12]. **Banff** [ACM97]. **Based** [Ang00a, Aya14, BBB02, DGMP09, EVV12, SN12, BKMY03, BKMY04, CB96, Dec04, Gup15, KSH14, Lac06, PFH+16, PBN+09, Rad06, Rad08]. **bases** [Swi09]. **Bash** [Bla02, Bla04, Ano12]. **Basic** [Het14, Tro96a, Het10]. **basierenden** [Lac06]. **basierte** [Ric14]. **basis** [Kir04]. **Bastard** [RAH+01]. **Batteries** [Dub07]. **Bayes** [Sto13]. **Bayesian** [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]. **Beispiele** [The09]. **Beispielen** [The09]. **BEM** [ŚBA+15]. **benefits** [CEI+12]. **Best** [Hug97, LS98, ZKB+08]. **best-bet** [LS98]. **bet** [LS98]. **Better** [Sit02, SW14, Sla15]. **between** [LFT09]. **beyond** [BMK03, GL08b, GL09, SB15]. **Bildbearbeitung** [DF00]. **Bilder** [DF00]. **Bind** [Cot03]. **Bindings** [LFN+11, RJAL09]. **Biocomputing** [HK95]. **Bioinformatics** [Ant15, Fla08, Bas08, Bas10, Kin09, SB15]. **Biological** [AJH+12]. **Biological-Modeling** [AJH+12]. **biologists** [LHB14]. **Biology** [MGS07, Di 13, LHM14, SB15, Wep15]. **biomolecular** [CBB14]. **Black** [Sei14, Buc14]. **Blackboard** [UVa95]. **Blaxxun** [Ano00b]. **Bleeding** [Wil97a]. **Book** [Ano97a, Ano00a, Bax01, Hug01, Jan10, Joh97, LMW12, Mat16, Roo98, Cha15, GHT06, GHT08]. **Bookshelf** [McG98c, Wil97b, Wil00, Wil01, Wil02]. **boost** [Lan13]. **boring** [Swe14]. **Borland** [Ano00b]. **Bose** [Nil07a]. **Both** [Hug97, Sma12]. **Boundary** [ŚBA+15, CBB14]. **Box** [RAH+01]. **Boy** [RAH+01]. **breadth** [Sha03]. **breadth-first** [Sha03]. **browser** [CB96]. **browser-based** [CB96]. **BSD** [DF00]. **BSP** [Hin03, HLSØ06]. **Buch** [vF97]. **Buchs** [The09]. **bug** [LWH+10]. **bugs** [Ros08]. **build** [Ada14, Bah15, Jos15, Lot14a, Nai14, Pip15, SML06, Tos09, Yan14, Zac15]. **Building** [BL97b, CR15, Gup15, Kar14, Rem01b, Ste06, HF06, Hig03, HWW+15, RG10, Seg07]. **built** [Hos12]. **Business** [Ano01b].

C [DF00, Jan10, Bai08, Bea96, Bea98, Bri06, Cot03, Dal01, EPM09, Kor11, LWH12, Nag06, Ngu08c, Pre03, Pul00, RZ09, Sah12, SV14, SML06, SM04, Stu07, WMA12, Wil00, Yes15, Zho97, van98c]. **C#** [SKS08]. **C/C** [Bea98]. **C/C** [Pul00, WMA12]. **CA** [Ass96]. **CAD** [Ano00b, Ngu08d]. **calculation** [CFSK14]. **Calculations** [Kor11]. **Calculus** [BH12, Sah15]. **California** [ACM92, Ano97b]. **Can** [Dör08, CBB14]. **Canada** [ACM97, USE96]. **canonical** [PHH+12]. **capabilities** [She97]. **Carlo** [Nil07b, PHH+12]. **Case** [JWHS16, HPH12, LHM14, OMGDG14, RCRS06, ÜK12]. **Case-Control** [JWHS16]. **catalogue** [Var16]. **cavities** [CBB14]. **CD** [DF00, Lin06b, The09]. **cell** [RKVL14]. **cellML** [CM07]. **CFD** [TGEA09]. **CG** [AJH+12]. **CGI** [Wei06a, Kuc98b, RG00, Van97b]. **CGI-Scripting** [Wei06a]. **cgimodel** [RG00]. **chain** [Mau02, You08]. **Chameleon** [SVY09]. **Changes** [RAH+01]. **Chapman** [Ano01a]. **characteristics** [CSRV13]. **charts** [Ada14]. **checking** [Hen08, RF16]. **chemical** [HPT+16]. **Chimera** [HCPF95]. **Chityala** [Myr15]. **Choosing** [LS97]. **Ciphers** [Swe13]. **Class** [Ngu08a, Hig03, TSD+12]. **classes** [How98, TSD+12, Ngu08c]. **classification** [CFSK14]. **clear** [Ram15]. **Client** [Lac06]. **Cloud** [Suc13, Kla11]. **Clustering**

[JWHS16, Mül13]. **CMIstark** [CFSK14]. **CMU** [Mac91, Mac92a, Mac92b]. **co** [Wu13]. **co-designed** [Wu13]. **Cobol** [Ano01b]. **Code** [Ano00b, Ano01b, Har15, Mit00, The09, XMW10, AM10, Ber13, BC09, Buc15, Day07b, Lot15b, MO14, Ros08, SML06]. **Code-Beispiele** [The09]. **Codes** [Anoxxd]. **codice** [Day07a]. **coding** [Cha15, ZKB+08]. **coeur** [Chu07b, Chu07a]. **Collaboration** [Ano01b]. **Collected** [Ngu08a]. **collecting** [Mit15]. **collection** [Ngu08d, Ngu08e]. **collections** [BDT13, SVY09]. **collective** [Seg07]. **Collector** [Roo97]. **combined** [AM10]. **combining** [MS15]. **commandi** [Day07a]. **commands** [Day07b]. **Comments** [Roo97]. **commercial** [Tab10]. **Common** [Mac91, Mac92a, Mac92b, RO15b, RAH+01]. **Communications** [Ano00b]. **community** [Gar09]. **comparative** [Kak08, Mau02]. **comparing** [MD15]. **Comparison** [Pre00, Zho97]. **compilation** [MD15, WMA12]. **Compiler** [Ano01b, CEI+12, HS12, IOC+12, Mac92b, TTS+10]. **Compiling** [Fee16, CGK11]. **complete** [Meh15, Sum09, Sum10]. **completely** [Orl97]. **complex** [LR14]. **Compliant** [Ano01b]. **components** [HCPF95]. **compounds** [DMC+15]. **comprehend** [Cox14]. **Comprehensive** [RO15b, RG10, Tel06, You08]. **Computation** [Wim12, Guz03]. **Computational** [Aya14, Bäc07, LT03, Lan08, MS07, Vir16, Bor07, HHK+09, Lan06, Lan07]. **Computations** [KJ14, AM10, CLM05, YFD98]. **Computer** [Dow15, IEE97b, MR07, Can14, Dow09, Jos15, JČMG11, MH15, Rad06, RMZG06, San13, Swe13]. **Computers** [BT06]. **Computing** [HTA+97, LHB14, LD07, Oli07, PG07, PGH11, VB08, BL97b, CSRV13, DMC+15, DDMS14, Kir04, LW10, Lub14, Meh15, MBK09, Nil07a, Ros13, Ros14, YPB16]. **concentrations** [DMC+15]. **concentré** [Mar07]. **concepts** [BM15, ÜK12]. **concise** [Joh12, Ram15]. **concurrency** [Tab10]. **concurrent** [WO14]. **condensates** [Nil07a]. **Conference** [ACM92, Ano97b, Eur91, HTA+97, IEE97b, USE96, USE00]. **configuration** [Hos12]. **console** [Rem01b]. **constructed** [HCPF95]. **constructing** [CB96]. **content** [GFB+14]. **context** [MR09, MBK09]. **continuation** [VY15]. **contract** [Plo97]. **Control** [BBB02, JWHS16, KB07]. **controlling** [KSH14]. **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]. **corpus** [Joh08]. **Correction** [Ano02]. **correctness** [Hen08]. **course** [Fla08, GL07a, Guz03, MS15, Mau02, MSW08]. **courses** [RMZG06]. **crafting** [Vai09, Vai14]. **Create** [Ano01a, Cha01, Kno08, Lay15, RDS07, Ull15]. **create-modify-reuse** [Kno08]. **creating** [CR15, KL97]. **creativity** [Gal14]. **Creator** [Chu02b]. **cross** [CFW17, HPT+16, Ull15]. **cross-machine** [CFW17]. **cross-platform** [HPT+16, Ull15]. **crunching** [Wil05]. **cryptography** [Swe13]. **CS** [Sha03]. **CS1** [EPM09, GL07a, GL08c, Rad08]. **CS2** [EPM09]. **curriculum** [HRS06]. **customizable** [Bah15]. **Customized** [TGEA09]. **cutting** [RO15a]. **cutting-edge** [RO15a]. **CV** [Len15]. **Cython** [Smi15].

D [Bra13, Pet02, PBN+09, RKVL14, SDS00]. **Data** [Ano97c, KJ15, McK12, Ngu08a, RZ09, Van16, Wil05, Ada14, BM15, CGK11, CR15, Cue13, HPT+16, Idr14, Lay15, Lot14b, Mad15, Mil14, Mil15, Mit15, Nel15, Ros13, Ros14, SML06, Tom15, Var16, Wes15, Jan10]. **Database** [Ano00b, YHA+16].

database-backed [YHA+16]. **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]. **deeper** [RO15a]. **defect** [DMC+15]. **Definitive** [HKM08, Gar09, Lot15b, Sum08]. **demos** [Jos15]. **Dense** [Wim12]. **Dependent** [KSB12]. **description** [Dec04]. **Design** [Ano01b, BBB02, Bro06, KL97, KB07, MMT09, Plo97, VKSB15, Dow09, Kas15, Len15, LHM14, Wei15]. **designed** [Wu13]. **Designing** [Mit00, ZKB+08]. **desktop** [Bah15, Law15]. **desukutoppu** [SM04]. **detailed** [Sar14]. **detectors** [LWH+10]. **develop** [DAJ+15, Gup15, Jos15, Pal14, SW14, Sar14]. **Developer** [Hug01, RAH+01, dos01]. **developers** [Tos09]. **developing** [Har12, RCRS06, RH15]. **Development** [Ano00b, Ano01b, Hin03, HKM08, KM15, LD07, Bah15, BL97a, Con95, FBC09, Gar09, Gov15, Mau02, McG07a, Per14a, Pip15, Ree04, You08, Lac06]. **Devices** [Por03]. **DGB** [Par11]. **dialect** [Men09]. **Different** [Bra13, KLM14, KLM15, Orl97, PBN+09, Wep15]. **Differential** [BT06, GWW09, LT03, LMW12, MSL+07]. **Diffpack** [LT03, LM03]. **Digital** [Rad08, Hos14, LL08, Rad06]. **Dimensional** [Pat16]. **direct** [ML16]. **Discretization** [BH12]. **Disease** [JWHS16]. **display** [Wes15]. **Distributed** [Ano98c, ABC97, Eur91, SSH08]. **distributed-memory** [SSH08]. **distributing** [ZKB+08]. **Distribution** [Ano00b]. **Dive** [Orr05, Pil04, Pil09]. **Django** [EK08, Alc09, Ben08, FBC09, Gup15, HKM08, MBW07]. **Document** [Ano00b]. **documents** [KL97]. **Does** [She97]. **Doing** [Sah15]. **DOLFIN** [LW10, LWH12]. **domain** [HWW+15]. **domain-specific** [HWW+15]. **Done** [HKM08]. **données** [Swi09]. **dozen** [Ros08]. **Dreaming** [Ros08]. **driven** [Gov15, Kin05, LGS10, Per14a]. **dummies** [MM06, Mue14]. **Dyer** [Ano00a]. **dynamic** [Ada14, BC09, CEI+12, FhDAF09, GLS+10, LWH+10, OMGDG14, RF16, Wu13, YHA+16, YPB16]. **Dynamically** [Kla99, BDT13, IOC+12]. **dynamically-typed** [IOC+12]. **dynamics** [CMM14, JNN12, JNN13, SV14].

E-Business [Ano01b]. **Early** [Sev15a]. **easily** [SW15]. **Easy** [RG00, Arb14, Bea96, Cox14, Kla99, PAB+97, Tos09]. **easy-to-comprehend** [Cox14]. **eBook** [Haj08]. **Ecosystem** [PGH11]. **Edge** [Wil97a, RO15a]. **Editing** [Ano00b]. **Edition** [Ano00a]. **Editor** [RAH+01, CB96, Dub07, Gar98]. **Education** [Bäc07, MS07, DDMS14]. **effect** [CFSK14]. **Effective** [Sla15, Ram15]. **efficiency** [AM10]. **Efficient** [CSRV13, SN12, Wim12, BM15, Pal14, SW14, Zac15]. **efficiently** [Lot14a]. **Eighth** [HTA+97]. **Einführung** [EK08, LAG07]. **Einsteiger** [Ric14]. **Einstein** [Nil07a]. **Einstieg** [The09]. **electric** [CFSK14]. **Electromagnetic** [LFN+11]. **electrostatics** [CBB14]. **Elektronik** [Ric14]. **Elektronik-Projekte** [Ric14]. **Element** [LMW12, AM10, Kir04, LW10, LWH12]. **Elementary** [MS15]. **Elements** [Ano02, Ple02, CBB14]. **embedded** [CGK11, LHM14, Par11]. **Embedding** [Nag06, Pul00, van98b, Rie09, van95a]. **emphasizing** [Gar09]. **Empirical** [Pre00, SS13]. **Enabling** [PHH+12]. **encrypt** [Lot14b]. **End** [LD07, GHT06]. **Engine** [Ano00b, Ang99, Pip15, San15]. **Engineering** [IEE97b, Kiu10, Kiu13, SML06, Yan14]. **Engineers** [MA11, O'C13, Sei09]. **engines** [BKC14]. **enhanced** [WO14]. **ensure**

[Buc15]. **Enterprise** [Hig03]. **Entwicklung** [Lac06]. **Enumeration** [SN12]. **Environment** [Ano01b, BKMY03, BMK03, BKMY04, Pal14, VFMM08]. **Environments** [McG98c]. **eqtools** [CFW17]. **equation** [Bra13]. **Equations** [BT06, GWW09, LT03, LMW12, MSL+07, CKK+13]. **equilibria** [CFW17]. **Equilibrium** [San13, DMC+15]. **Era** [Sev15b]. **Errata** [Ano01a]. **ESB** [Suc13]. **Essential** [Cop08, Joh08, Bea00, Bea01, Bea06, Bea09b, Bow15, Day07b, Lot14b]. **Essentials** [PR02, Bah15, BM15, CV15, FL06, Lot15b, Moh15, Wes15]. **èUbungsaufgaben** [The09]. **EurOpen** [Eur91]. **Evaluating** [Dör08]. **Evaluation** [KLM14, KLM15, RO15b, TTS+10, CSRV13, IOC+12, MD15, VKSB15]. **even** [LR14]. **événements** [Swi09]. **Event** [Kin05]. **Event-driven** [Kin05]. **everyday** [Wil05]. **evidence** [LFT09]. **Evolution** [Yes15]. **exact** [Bri06]. **Examining** [Ang99, CK00]. **example** [Jos15, RH15]. **exciting** [Gup15]. **execution** [BKC14]. **exemple** [MRA06]. **existing** [Lot15b]. **ExoData** [Var16]. **exoplanet** [Var16]. **Experience** [CM07, Pop10]. **experimental** [KSH14]. **Expert** [Sma12, ZKB+08]. **explaining** [LFT09]. **Explicit** [HPH12]. **explore** [Mad15, Sah15]. **exploring** [BMK03, Sev13]. **Exposure** [JWHS16]. **express** [Har07]. **expression** [Stu03, Stu07]. **expressions** [LR14, Rom14, 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]. **Exterior** [BH12]. **Extracting** [HGMC+97]. **extrinsic** [DMC+15].

F [Ano00a]. **FAQ** [Ano98e]. **Fast** [Mül13, Yes15]. **fastcluster** [Mül13]. **Faster** [SN12]. **father** [LS97]. **FDTD** [CKK+13]. **features** [LR14, Pip15]. **FEniCS** [LMW12]. **FIAT** [Kir04]. **Field** [Pat16]. **fields** [CFSK14]. **Fifth** [CI96]. **filled** [CBB14]. **Finally** [Aya14]. **Finance** [Vir16, Di 13, Hil15, Wei15, Wep15, Yan14]. **financial** [Yan14]. **Finite** [Ano02, LMW12, Ple02, AM10, Kir04, LW10, LWH12]. **FiPy** [GWW09]. **first** [GL08b, GL09, HRS06, MSW08, Rad06, SL08, Sha03, TSD+12]. **first-class** [TSD+12]. **Flask** [Gup15]. **flexibility** [Gar09, PHH+12]. **Flexible** [KB07, BL97b, CSRV13]. **Flow** [TGEA09, YHA+16]. **flows** [ML16]. **Fluent** [Ram15]. **fondamentales** [Chu07b]. **foreign** [LWH+10]. **forensic** [Hos14, O'C13]. **Forensics** [Hos14]. **form** [GS12]. **Fortran** [DY99, LC11, MMEH08]. **Fotos** [DF00]. **Foundation** [Ngu08c]. **Foundations** [RG10, RG14, You08]. **Framework** [MMT09, Zuk97, BSG+16, DMC+15, Gar09, JNN12, JNN13, KSH14, Kuc98b, Law15, LC11, LGS10, OMGDG14, SV14]. **frameworks** [Dal07, Gup15, MBW07, RCRS06]. **Francisco** [ACM92]. **Franklin** [Jan10]. **Free** [Ano00b, Tro96c, Tro96a, Tro96b, Tro97]. **French** [Chu07b, Chu07a]. **full** [Pip15, PMM+13]. **Function** [Kor11]. **Functional** [ACM92, Lot15a, MB07, BBH+15]. **functions** [CSRV13, Kir04]. **Fundamental** [Chu07b]. **fundamentals** [Chu08, Lee11]. **Funktionen** [Wei06b]. **Further** [LFT09]. **fvextra** [Poo16].

Game [Gut04, Har07, McG07a, RH15]. **Games** [KM15, RH15, Swe09, Ull15]. **Gaussian** [SBMD14]. **Ge** [Wei06b]. **Ge-Packt** [Wei06b]. **Gem** [Bri12a, Bri12b]. **general** [Myr15]. **Generate** [Bie97]. **Generation** [Ano01b, AM10, Dal07, RJAL09].

Generator [Bri02, MO14, vd91]. **Geneva** [IEE97a]. **gentle** [MS13]. **Geodesy** [Ngu08c]. **geometric** [PBN+09]. **Georgia** [USE00]. **geospatial** [Bah15, Law15, Tom15, Wes15, Tom15]. **German** [Lac06]. **gestalten** [DF00]. **Get** [Wil02, CR15, Cox14, SW15]. **Getting** [Hos12, McG07b, Nai14, Nix15, Ric13]. **GIMP** [DF00, DF00]. **GIMP-** [DF00]. **GIS** [Bah15, Law15, Shi07]. **Glade** [Ano01a, Cha01, Ree04]. **Globus** [Jac02]. **GlusterFS** [Dar12]. **GMES** [CKK+13]. **GNU** [DF00]. **Go** [Ano98d]. **Good** [Bea09a, Pre03]. **Google** [Pip15, San15]. **GPUs** [CBB14, VY15]. **Gradual** [TSD+12, VKSB15]. **Grafik** [Lin06b]. **Grafik-Modul** [Lin06b]. **Grafiken** [DF00]. **grand** [PHH+12]. **grand-canonical** [PHH+12]. **grants** [Bal12]. **graphical** [Kar14]. **Graphics** [SDS00, GL08b, GL09, PAB+97, SML06]. **grasp** [Lot14a]. **Gray** [Sei09]. **Great** [RAH+01]. **groff** [RAH+01]. **GROMACS** [PHH+12]. **GromPy** [PHH+12]. **große** [Haj08]. **Grundlagen** [DF00]. **GTK** [DF00]. **GTK-Versionen** [DF00]. **Guest** [Dub07]. **GUI** [Wei06a, Bri02, Con95, Har12, LS98, Sum08, Tal00]. **GUI-Programmierung** [Wei06a]. **Guide** [HKM08, Mit00, Feh02, Gar09, Lot15b, Meh15, Mil14, RO15a, RG10, RH15, Sum08, Swe13, Tel06]. **guided** [FhDAF09]. **Guido** [Chu02b, Dou98, Kuc98a, Sev15a, Sev15b]. **GUIs** [EK08]. **Gumbie** [Bri02]. **gut** [SKS08].

hackers [O'C13, Sei09, Sei14]. **Hacking** [Swe13]. **Haddad** [Ano00a]. **hand** [Buc15]. **Handbook** [Van16, dos01, Hug01]. **Handbuch** [EK08, EK09]. **handle** [CBB14, Var16]. **Handook** [RAH+01]. **hands** [Bro06, Cha15, Ros14]. **hands-on** [Bro06, Cha15, Ros14]. **HappyJIT** [HS12]. **hardware** [Dec04, Tab10]. **harness** [Lay15]. **Haskell** [CM07, Pop10]. **Hawaii** [HK95]. **Hector** [ABC97]. **Held** [HTA+97]. **Help** [Dör08, HR00, HS13, Law15, Len15]. **Hierarchical** [Mül13]. **High** [Dog15, GO14, Hin02, Hin03, Lew09, LD07, ML16, HF06, Lan13, Ros13, Ros14, SSH08]. **High-Level** [Hin02, Hin03]. **high-performance** [HF06, Ros13, Ros14, SSH08]. **higher** [MO14]. **highlighter** [BC09]. **Historic** [TS14]. **Holistic** [VFMM08]. **home** [Ste06]. **homotopy** [VY15]. **Hong** [IEE97b]. **hot** [OMGDG14]. **hot-reprogramming** [OMGDG14]. **Hour** [Ngu08b]. **HTML** [Bie97, KL97]. **HTML-supporting** [KL97]. **HTML5** [Ada14]. **HTML5-ready** [Ada14]. **HTMLgen** [Ham98]. **huge** [Cox14]. **Hughes** [Ano00a]. **HW** [Wu13]. **HW/SW** [Wu13]. **hyogen** [SM04]. **Hyperbolic** [LeV09].

i-PI [CMM14]. **IAST** [SSH16]. **Ibrahim** [Ano00a]. **IDE** [Ano01b, SW14]. **Ideal** [SSH16]. **ideas** [Chu07b, Chu07a]. **II** [Ang00c]. **Image** [SLGB14, Myr15]. **Imaging** [MB07]. **immediately** [Cha15]. **implement** [Wei15]. **Implementation** [BBB02, JWHS16, Ngu08a, BISC14, KL97]. **Implementations** [RO15b]. **implemented** [Bra13, Kar14]. **Implementing** [Bri06, EVV12, Nil07b, Zuk97]. **improvements** [DPSD08]. **Improving** [Ago01]. **Included** [Dub07]. **includes** [Gar09, SML06]. **independent** [PFH+16, She97]. **indispensable** [Buc15]. **Industry** [Joh15, Mat16]. **Inference** [SN12, SBMD14]. **informatics** [Sev13]. **information** [HGMC+97, Sev13, YHA+16]. **Informix** [Ano00b]. **Initiation** [Bai08]. **initio** [CMM14]. **inkl** [The09]. **inputs** [CSRV13]. **ins** [DF00, Est01]. **insightful** [Lay15]. **insights** [RO15a]. **Instant** [WMA12]. **Instantiation** [Ano01b]. **Instrumentino** [KSH14]. **instruments**

[KSH14]. **Integral** [ŚBA+15, CMM14]. **integrate** [CV15]. **integrating** [Bea96, TSC02]. **integrations** [Suc13]. **integrators** [MO14]. **Intelligence** [Tan06, Lot14b, Seg07]. **Inter** [AAC+98]. **Inter-Language** [AAC+98]. **interactions** [MMEH08]. **Interactive** [PG07, RAH+01, SDS00, Len15, PAB+97, Ros13, Ros14, Ull15, Ano00b]. **interdisciplinary** [SWD15]. **Interface** [ACM97, DGMP09, CMM14, HHP+16, Jac02, PHH+12, Spo12]. **Interfaces** [Ano01a, Cha01, LWH+10]. **intermetallic** [DMC+15]. **International** [Ano97b, CI96, IEE97b, IEE97a]. **Internet** [DF00, Joh97, The09, Wei06b, Ano97a, DAJ+15, McG98b, Shi07, WvA96]. **Internet-Programmierung** [Wei06b]. **interpreted** [BKC14]. **Interpreter** [van98b, CM07, van95a]. **interpreters** [HWW+15, MD15, ZLBF14]. **Interviews** [Kuc98a]. **intricacies** [Lot14a]. **intrinsic** [DMC+15]. **Introducing** [BC09, GL07a, HRS06, Lub14]. **Introduction** [Bau96, Dub07, Ful96, Har12, Ngu08b, SWD15, Tan06, ÜK12, vRD05b, Can14, Joh12, MS13, Poo16, Rad06, Sto13, Sum09, Sum10, vRD03]. **Introductory** [KLM14, KLM15, LFT09, MBK09, RMZG06]. **invariant** [LGS10]. **invariant-driven** [LGS10]. **inventing** [Hos14]. **Investigates** [Ano95]. **Investigation** [SS13]. **IO** [Buc14]. **IPython** [Ber13, PG07, Ros13, Ros14]. **iterators** [ZLBF14]. **Izzet** [Ano01a].

J [Ano00a]. **Jacquez** [JWHS16]. **January** [HK95]. **Java** [SML06, SKS08, Ang99, Ano00b, Ano01b, HF06, Hig03, Hug97, MSR03, Pre03, Rem01b, Roo97, SM04, Stu07, Tro97, Wil05, Zho97]. **Java-Compliant** [Ano01b]. **JavaScript** [Ric14, Gar09]. **JCanvas** [Ano01b]. **JDBC** [Tan01]. **jedem** [Wei06a]. **Jinn** [LWH+10]. **JIT** [ABF13, BBH+15, CEI+12, HS12, PFH+16]. **JIT-based** [PFH+16]. **John** [Jan10]. **Jose** [Ano97b]. **JPython** [Ang99]. **July** [Ano01a, Ass96]. **Junction** [SN12]. **June** [ACM92, USE96]. **Just** [RF16, Wil97a, TTS+10, WMA12]. **Just-in-time** [RF16, TTS+10, WMA12]. **Jython** [PR02, Bri02, Hig03].

Kapitel [Wei06a]. **KDE** [Ano00b]. **Keeping** [Chu02a]. **Kernel** [Ago01, Ano01a]. **key** [BM15]. **keynote** [McK16]. **Kids** [Lin06b]. **kisses** [Bri12a, Bri12b]. **Kivy** [Ull15]. **Klassen** [Wei06a, Wei06b]. **Knowbot** [HMD+96]. **Kong** [IEE97b]. **Korner** [Ago01]. **kurz** [SKS08].

L [Har07]. **lab** [Rad06]. **lab-based** [Rad06]. **Lady** [Bri12a, Bri12b]. **Langages** [Bla02]. **Language** [AAC+98, Ano95, BKL09, CL06, Ful96, Het10, Het14, LD07, Lut98a, PFH+16, Rie09, Roo97, Sco09, SS13, Tro96c, van98a, vRD05a, BBH+15, Bor07, CLM05, Can14, CEI+12, CGK11, Dec04, DY96a, Fee16, HWW+15, IOC+12, LS97, LWH+10, LGS10, MR07, Nel15, Ngu08d, Och09, Orl97, Per14b, SL08, She97, Sum09, Sum10, vd91]. **Language-independent** [PFH+16]. **Languages** [Ano98d, Dör08, ESM98, Pre00, Pre03, Bea96, BL97b, BDT13, BKC14, CEI+12, FhDAF09, GLS+10, HPH12, LS97, Mau02, Ngu08e, OMGDG14, RF16, Wu13, YPB16]. **large** [BL97b, BCG05, Var16]. **large-scale** [BL97b]. **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, Hug99, Lay15, Len15, LA99, LA04, Lut08, Lut09a, Lut09b, Lut13, MH15, Ros13, SW15, Bow15, CR15, Har07, Kar14, RO15a]. **LegacyJ** [Ano01b]. **LEGOs** [BMK03].

Leitfaden [Haj08]. **Letter** [Gar98]. **Letters** [RAH+01]. **Level** [Hin02, Hin03, Myr15]. **leverage** [LR14, SW14]. **libraries** [Bah15, Hig03, She97, Wes15]. **Library** [BTR14, CR12, Lun01, Ada14, KL97, LWH12, MMP11, PBN+09, RJAL09, Ull15, Yes15, van95b]. **life** [Yan14]. **lightweight** [Bah15, Gar09]. **Like** [Dow15, Dow09]. **line** [Har07, Har07]. **Linear** [SBMD14, BCG05, CFSK14]. **linguistics** [Joh08]. **Linking** [vd91]. **Linux** [Ano00a, DF00, Ric14, USE00, Ago01, Ano00a, Ano00b, Bla02, Bla04, GJ08, Lac06, MS+00, Par11, RAH+01, TSC02]. **Linux-basierte** [Ric14]. **Lisp** [ACM92, Mac91, Mac92a, Mac92b]. **List** [Har15]. **LJ** [Kuc98a, RAH+01]. **LLNL** [Ano98c]. **LLNL-Distributed** [Ano98c]. **logic** [Bro06]. **Loop** [ABF13]. **Loop-aware** [ABF13]. **Loosa** [RAH+01]. **Lua** [Gut04]. **Lunch** [Ang00a].

M [Jan10, Wep15]. **Mac** [SML06, Wal07]. **Machine** [Bow15, CFW17, CR15, Kar14, RO15a]. **machines** [PFH+16]. **Made** [RG00, AW06, Cox14]. **Magnetic** [MB07, CFW17]. **majors** [Guz03, HHK+09]. **make** [Mad15]. **makes** [Kla99]. **Making** [Dal01, Swe09]. **Management** [Ano97c, Ano00b, BBB02, AW06, Hos12]. **Managing** [Por03]. **Manual** [DF00, van98c, vRD05a, Mac91, Mac92a, van95c]. **Maple** [GS12]. **mapping** [HK15, Tom15]. **March** [HTA+97]. **Marginalization** [SN12]. **Marketing** [Mil15]. **Mass** [SN12]. **massively** [BSG+16]. **master** [Ada14, Meh15, Pip15, Zac15]. **Mastering** [Dog15, Het14, Kas15, LR14, Lot14a, Mad15, Meh15, Rom14, Wei15, BJ14a, Het10, Tid07]. **math** [Sah15]. **mathematical** [Wei15]. **Mathematics** [LL08]. **Matplotlib** [Tos09, Nel15]. **Matrices** [Wim12]. **Maxwell** [CKK+13]. **May** [Ano97c, Ano01a, Eur91]. **Maya** [Gal14]. **Maybe** [How06]. **Measuring** [ÅW16]. **mechanics** [MS15]. **media** [Guz03]. **Mediator** [Far02]. **Mediator/Python** [Far02]. **medical** [SML06]. **Meep** [LFN+11]. **memory** [SSH08, Tab10]. **mental** [SG07]. **mesh** [GS12]. **message** [BL97a]. **Meta** [Tro96b, MD15]. **meta-compilation** [MD15]. **Method** [LMW12, CKK+13]. **Methodologists** [Dör08]. **Methods** [LT03, MS07, AM10, Kiu10, Kiu13, You08]. **migration** [Fee16]. **migrations** [Lot15b]. **Milestone** [SV14]. **Mining** [sR11, Rus14, Lay15]. **Minneapolis** [HTA+97]. **Minolta** [Ano00b]. **Misconception** [RAH+01]. **Mitch** [Ano01a]. **Mitchell** [Mit00]. **Mix** [Est01]. **Mix-ins** [Est01]. **MN** [HTA+97]. **Mobile** [ST+07, HMD+96, Len15]. **Mode** [CR12]. **Model** [BTR14, Hen08]. **Modelica** [Ern99]. **Modeling** [Ano01b, AJH+12, DDMS14, KB07, Mil14, Tie16, HCPF95, Mil15]. **Modelling** [PHF10, PBN+09]. **Models** [SBMD14, Kar14, Lay15, SG07]. **Modern** [Sev15b, Lub14, MS15, Mit15]. **moderne** [LAG07]. **modernize** [Lot15b]. **modify** [Kno08]. **modred** [BTR14]. **Modul** [Lin06b]. **Modular** [CFW17, HPT+16, KSH14]. **Modularisierung** [EK08]. **Module** [Ham98, KB07, SBMD14, TGEA09, Wei06b, PHH+12, Tom15]. **modules** [Idr14]. **molecular** [CMM14, HCPF95, Yes15]. **Monograph** [Anoxxc]. **Monte** [Nil07b, PHH+12]. **MontePython** [Nil07b]. **Monterey** [Ass96]. **monty** [PMM+13]. **Moodle** [Rad08]. **most** [Cox14, LR14]. **MPI** [DPS05, DPSD08]. **MPI-2** [DPSD08]. **Multi** [EVV12, Och09, Pul00, Fee16]. **Multi-Agent** [EVV12]. **Multi-language** [Och09, Fee16]. **Multi-Threaded** [Pul00]. **Multidisciplinary** [MMT09, HHK+09]. **multigrid** [BISC14]. **multimedia** [GFB+14]. **multiphysics** [BSG+16].

Multiple [Kor11]. **Multiple-Precision** [Kor11]. **multithreading** [Swi09]. **multivariate** [CSRV13]. **music** [MBK09]. **Musterlösungen** [Wei06a]. **MyHDL** [Dec04]. **Myro** [Men09]. **MySQL** [Bis01, HF06, TSC02]. **Mython** [Rie09].

Names [RAH+01]. **Nanophotonics** [BVB+07]. **Natter** [SLGB14]. **Natural** [BKL09, SLGB14, Per14b]. **Ncpol2sdpa** [Wit15]. **need** [Cha15]. **Neo4j** [Gup15]. **Nest** [Dub05]. **Net** [Bis01]. **Network** [Ago01, Ano00b, BBB02, Ngu08a, AW06, FL06, GL07a, HK15, RG10, RG14, Sar14, SW15]. **Networks** [KSB12]. **Netzwerkkommunikation** [EK08]. **NeuVis** [Ano01b]. **New-Style-Klassen** [Wei06b]. **News** [HPT+16, PHH+12, She15, Yes15]. **Next** [Dal07]. **Next-generation** [Dal07]. **NIST** [Ano95]. **NLKT** [Per14b]. **NLTK** [Per14b]. **No** [Wat95]. **non** [Guz03]. **non-majors** [Guz03]. **Noncommuting** [Wit15]. **Nonlinear** [MS07, MMP11]. **Norway** [Eur91]. **Notation** [TS14]. **Notions** [Chu07b, Chu07a]. **Novice** [Sma12, Het05, Het08, McG07a]. **Numerical** [BT06, DHH96, Joh15, Kiu10, Kiu13, LT03, Wim12, Bra13, MS15, ML16, Ros13, Ros14, Mat16]. **nutshell** [Mar03, Mar06].

Object [CI96, DY96a, ESM98, GL08a, Lut98a, Lut01, MMT09, USE96, GL07b, GL08c, HPH12, HHP+16, Kak08, Lot14a, Phi10, Phi15, SML06, She97, YFD98]. **Object-Orientation** [CI96]. **Object-Oriented** [ESM98, Lut01, MMT09, USE96, DY96a, GL08a, GL07b, GL08c, HPH12, Kak08, Lot14a, Phi15, SML06, YFD98]. **Objects** [ABC97, She97, Kak08, Phi15]. **Objekte** [Wei06a]. **objektorientierte** [Wei06b, Wei06a, Wei09]. **objektorientierter** [The09]. **Objektorientierung** [EK08]. **objet** [Swi09]. **observations** [Pop10]. **October** [ACM97, Ano97b, CI96, USE00]. **Offended** [RAH+01]. **Ogg** [RAH+01]. **One** [GS12, Ngu08b, Pat16, Cha15, Ros08]. **One-Dimensional** [Pat16]. **One-Hour** [Ngu08b]. **One-peak** [GS12]. **only** [Cha15]. **OO** [LAG07]. **OO-Programmierung** [LAG07]. **OOP** [She97]. **Open** [Eur91, JČMG11, Ray98, Bah15, CFW17, Idr14, JNN12, JNN13, KSH14, SV14, Ull15, You08, LFN+11, Len15]. **Open-CV** [Len15]. **open-source** [CFW17, JNN12, KSH14]. **OpenCL** [Di 14]. **OpenCV** [Jos15, MH15]. **OpenMG** [BISC14]. **Operating** [CI96]. **Optimization** [MMT09, Wit15, GLS+10, Rie09]. **optimizations** [ABF13]. **Optimizing** [RKVL14, HWW+15, MD15, ZLBF14]. **options** [LS98]. **OPUS** [MSR03]. **Oracle** [Ano00b]. **ORBKIT** [HPT+16]. **order** [Lot14a, MO14]. **Ordering** [Ang00a]. **Orientation** [CI96]. **Oriented** [ESM98, Lut98a, Lut01, MMT09, USE96, DY96a, GL07b, GL08a, GL08c, HPH12, HHP+16, Kak08, Lot14a, Phi10, Phi15, SML06, YFD98]. **OS/2** [DF00]. **Other** [Wil00, Hos12]. **overview** [LS98]. **own** [Nai14, RH15, SML06].

P2NMAP [HK15]. **PaCAL** [KJ14]. **Pacific** [HK95, IEE97b]. **pack** [Rad08]. **Package** [KJ14, XMW10, CFSK14, CKK+13, GL08b, GL09, SSH16, Var16, WO14]. **packages** [Lub14]. **Packt** [Wei06b]. **Pages** [Ang00b, Ang00c, Bie97, Mit00]. **Palm** [Ano00b, Ano00b]. **Pandas** [Nel15]. **Papers** [Anoxxa, Anoxxb, Anoxxc, Anoxxd, ACM92]. **paradigm** [Kir04]. **Parallel** [BT06, Di 14, DGMP09, HTA+97, Hin03, Hin07, IEE97a, Pal14, Sah12, BSG+16, CLM05, CGK11, GFB+14, HLSØ06, Yes15, Zac15, MMP11]. **Parallelization** [MAC14]. **Parallelized** [BTR14]. **Parallelizing** [CL06].

parameters [RKVL14]. **Part** [Ang00b, Bri12a, Bri12b, Ang00c]. **Partial** [BT06, GWW09, LT03, MSL+07, MD15]. **Partially** [Har15]. **particle** [RKVL14]. **particle-in-cell** [RKVL14]. **passing** [BL97a]. **Passive** [HK15]. **path** [CMM14]. **patterns** [Chr02, Kas15]. **PC** [Wal07, Ano00b]. **PDE** [CL06]. **PDF** [DF00]. **PDF-Dateien** [DF00]. **peak** [GS12]. **C** [Pul00, WMA12]. **Python** [Far02, LWH12, SV14]. **SW** [Wu13]. **Tk** [McG98c]. **Penetration** [Duf15, Buc15, Moh15, O'C13]. **pentesters** [Sei14]. **Penultimate** [RAH+01]. **perceptions** [SL08]. **Performance** [DPSD08, Dog15, LD07, TS14, CLM05, GO14, HF06, IOC+12, Lan13, Lew09, ML16, Ros13, Ros14, SSH08]. **Perl** [DF00, SKS08, Bla02, Bla04, HAE00, HF06, Kak08, LS97, MSR03, Ngu08d, Ngu08e, Pre03, Roo97, Sit02, SM04, Stu07]. **Persistence** [Ano01b]. **Perspective** [Eur91, Wep15]. **Perusing** [Wil97b]. **Pfaffian** [Wim12]. **Phil** [Ano00a]. **PHP** [SKS08, HF06, HS12, SM04, Stu07, TTS+10]. **phrasebook** [Day07b]. **Physical** [Tie16, RKVL14]. **Physics** [Aya14, Bäc07, Bor07, Di 13, San13, Wep15]. **PI** [CMM14, BW14, Cox14, Don14, Nix15]. **Piano** [TS14]. **Pierro** [Wep15]. **Pipeline** [MSR03]. **pitfalls** [CEI+12]. **plan** [Lot15b]. **plant** [PBN+09]. **PlantGL** [PBN+09]. **Platform** [Ano00b, BBB02, Lac06, HPT+16, ST+07, She97, Ull15, Lac06]. **platform-independent** [She97]. **platforms** [GFB+14, Par11]. **Playing** [Swe09]. **plots** [Tos09]. **Plug** [DF00]. **Plug-ins** [DF00]. **PLW** [LD07]. **Pocket** [Lut98b, Lut02, Lut05, Lut14, Stu03, Stu07]. **POGIL** [HS13]. **point** [DMC+15]. **Poisson** [Bra13]. **Political** [Dör08]. **Polymorphie** [Wei06a]. **polymorphism** [ÅW16]. **Polynomial** [VY15, Wit15]. **popular** [Idr14]. **Portable** [Di 14, Kor11, Bah15]. **ports** [Buc14]. **posets** [GS12]. **positive** [GS12]. **postprocessing** [HPT+16]. **potential** [Cox14, Hia15]. **Power** [Day14, Gal14, Lay15, MH15, Phi15, SW14, Tel06]. **powered** [RDS07]. **powerful** [Idr14, Law15, Lot14a, Zac15]. **Practical** [Ben08, Cue13, Gal14, Het02, Joh15, Mat16, CR15, DAJ+15, Fla08, Per14b, Swe14]. **Practice** [TS14]. **practices** [ZKB+08]. **practitioner** [BM15]. **pragmatic** [RH15]. **Pragmatics** [Sco09]. **praktisch** [Wei06a]. **pratical** [Sar14]. **Praxis** [EK08]. **Praxisbuch** [Haj08]. **Precise** [YHA+16]. **Precision** [Kor11]. **predictive** [Bow15, Lay15, Mil14, Mil15, RO15a]. **preferences** [DMC+15]. **preparation** [EPM09]. **presentation** [Kak08]. **presented** [ACM92]. **Presses** [Ray98]. **Prime** [Ano98d]. **primer** [Lan09, Lan11, Lan12]. **principles** [LHB14]. **Pro** [Alc09, BA14, Sil14]. **probabalistic** [Kar14]. **Probabilities** [Pat16]. **Problems** [LeV09, ŚBA+15, Wit15, Kar14, Wil05]. **procedure** [HF06]. **Proceedings** [ACM92, ACM97, Ano97b, Ano97c, CI96, ESM98, Eur91, HTA+97, IEE97b, IEE97a, USE96, USE00]. **process** [Wes15]. **Processing** [APS10, BKL09, HTA+97, IEE97a, How98, McG00, Mer03, Myr15, Per14b]. **processor** [Tab10]. **Productivity** [Ano01b]. **Products** [Ano00b, Ano01b]. **Professional** [MS+00, MBW07, Het05, Het08, McG07a]. **professionellen** [DF00]. **Profi** [Haj08]. **Profi-Leitfaden** [Haj08]. **Profile** [FhDAF09]. **Profile-guided** [FhDAF09]. **Program** [DDLW02, HS13, Len15, Swe09]. **Programmanfänger** [The09]. **Programmation** [Zia06, Bai08, Swi09]. **Programmbeispiele** [Lin06b]. **Programmer** [Ang99, Ano00a, McG98c, Wil97b, Wil00, Wil01, Wil02, Swi09]. **Programmering** [Lin06a]. **Programmers** [HR00, Ros08, Sma12, Cox14, Meh15].

Programmierer [Haj08]. **Programmierung** [EK08, LAG07, The09, Wei06a, Wei06b, Wei09]. **Programming** [ACM92, Ano95, Ano97a, Ano00a, CL06, DY96b, DY99, Ful96, Gar98, Gra00, HR00, Hin02, HMD+96, Joh97, KLM14, KLM15, LT03, Lut96, Lut01, Lut06, McG98b, McK16, Pet02, Pre00, RG00, Roo98, San15, SDS00, Sco09, Seg07, SS13, Sum09, Sum10, Tro96a, Wit15, BKMY03, BKMY04, Bro06, CLM05, Can14, Chr02, Chu01, Chu07c, Daw03, Daw06, Daw10, DAJ+15, Don14, FL06, Fla08, Gal14, GS12, GL07a, GL07b, GL08a, Gut04, Har07, HF06, Har12, Hia15, Hig03, HLSØ06, HPH12, Joh12, Kin05, Lam15, Lan13, Lan09, Lan11, Lan12, Law15, Lee11, LHB14, LFT09, LL08, Lot14a, Lot15a, MS+00, Mau02, McG98a, MR07, MR09, MBW07, MSW08, Mue14, Nel15, Och09, Pal14, Phi10, Phi15, Ram15, RG10, RG14, RH15, Ros13, Sah12, Sah15]. **programming** [SL08, SV14, Sar14, SW15, SWD15, Sei09, Sei14, SB15, Sum08, Swe13, Swe14, TSC02, ÜK12, WvA96, Wep15, WO14, Zac15, ZKB+08, Bax01]. **Programs** [Di 14, ÅW16, Lan13, Nag06]. **project** [Cha15, Pop10, You08]. **projects** [Arb14, Bal12, Ben08, SW14]. **Projekte** [Ric14]. **Protein** [SN12, MMEH08]. **proteins** [MMEH08]. **prototype** [Len15]. **prototypes** [DAJ+15, YPB16]. **Prototyping** [BKC14, UVa95, RCRS06, ST+07, vd91]. **provided** [Pip15]. **ProxySource** [Ano01b]. **Pteros** [Yes15]. **publication** [Tos09]. **Pudipeddi** [Myr15]. **puts** [Ang99]. **Py2neo** [Gup15]. **PyACTS** [DGMP09]. **Pycket** [BBH+15]. **PyDEC** [BH12]. **PyDII** [DMC+15]. **PyF95** [LC11]. **pygal** [Ada14]. **Pygame** [KM15, McG07a]. **pyGFC** [Ngu08c]. **pyGlobus** [Jac02]. **PyGtk** [CK00]. **pyIAST** [SSH16]. **pyJacqQ** [JWHS16]. **PyLighter** [BC09]. **Pylons** [Gar09]. **PyMC** [PHF10]. **pyMDO** [MMT09]. **PyMIP** [AW06]. **pyparsing** [McG07b]. **PypeR** [XMW10]. **PyPy** [ABF13]. **PyQT** [Har12, Rem01a, Sum08]. **Pyro** [BKMY03, BKMY04]. **PySSM** [SBMD14]. **PySy** [WO14]. **Python** [Ano97b, Ano00a, Ano02, AJH+12, BBB02, Bax01, CR15, DF00, EK08, Haj08, Hug01, Jan10, Joh15, Lac06, Lin06b, LAG07, Mat16, Mue14, RAH+01, Ric14, Sar14, SML06, Ste14, SKS08, Swi09, The09, Wei06a, Wei09, Wep15, BKMY04, Swe14, ÅW16, Ada14, APS10, AW06, Ang99, Ang00b, Ang00c, Ano95, Ano97a, Ano98a, Ano98b, Ano98c, Ano98e, Ano00b, Ano01b, Ano12, Anoxxa, Anoxxb, Anoxxc, Anoxxd, Ant15, Arb14, ABC97, Aya14, Bäc07, Bah15, Bai08, Bar11, Bas08, Bas10, Bau96, BSG+16, BL97a, Bea00, Bea01, Bea06, Bea09b, Bea09a, Bea12, BJ14a, BJ14b, BISC14, Bie97, BVB+07, BKL09, Bis01, Bla02, Bla04, BKMY03, BMK03, Bor07, BM15, Bow15, BW14, Bra13, Bri12a, Bri12b, BCG05, Bro00, Bro06, BA14, Bru09, Buc15, Buc14, CLM05]. **Python** [CL06, Can14, CMM14, Cha15, CV15, CFSK14, CFW17, Chr02, CSRV13, Chu01, Chu02a, Chu02b, Chu07b, Chu07a, Chu07c, Chu08, CKK+13, CR12, Con95, CBB14, Cot03, Cox14, DPS05, DPSD08, Dal07, Dar12, Daw03, Daw06, Daw10, Day14, Day07b, Day07a, Dec04, DDLW02, DAJ+15, Di 13, Di 14, DMC+15, Dog15, DDMS14, Don09, Don14, Dör08, Dou98, Dow09, Dow15, DGMP09, DY96a, DHH96, DY96b, DY99, Dub07, Duf15, EPM09, EK08, EK09, Ern99, Est01, EVV12, Feh02, Fla08, FBC09, Ful96, Gad09, Gal14, Gar98, Gar09, GS12, GJ08, GHT06, GHT08, GL07b, GL08a, GL08b, GL08c, GFB+14, GO14, Gov15, Gra00, Gre07, Gun14, Gup15, Gut04, GWW09, Ham98, HR00, HAE00, Har15, HF06, Har12, HPT+16, Het02, Het05, Het08, Het10, Het14, Hia15, Hig03]. **Python** [Hil15, Hin02, Hin03, HLSØ06, Hin07, HRS06, Hos12, Hos14, HK15, How06, How98,

Hug99, Hug97, HHP+16, Idr14, Jac02, JWHS16, JNN12, JNN13, Joh08, Joh12, JD02, Jos15, Kak08, Kar14, Kas15, KJ15, Kin05, Kin09, KM15, Kiu10, Kiu13, Kla99, Kla11, Kno08, KSH14, KJ14, KB07, Kuc97, Kuc98b, Kuc98c, KD99, Lac06, LS97, LFN+11, Lam15, Lan13, LM03, Lan06, Lan07, Lan08, Lan09, Lan11, Lan12, Law15, Lay15, LeV09, Lee11, Len15, Lew09, LHB14, Lin06a, Lin06b, LL08, LHM14, LR14, Lot14a, Lot14b, Lot15a, Lot15b, Lub14, Lun01, LD07, Lut96, Lut98a, Lut98b, LA99, Lut99, Lut01, Lut02, LA04, Lut05, Lut06, Lut08, Lut09a, Lut09b, Lut13, Lut14, Mac92b, Mad15, MS15, MSL+07, Mar02, Mar03, MMA05, Mar06, MRA06, Mar07, MM06]. **Python** [McG98b, McG98c, McG98a, McG00, McG07a, McK12, Meh15, MMEH08, Mer03, MMP11, MSR03, MR07, MR09, Mil14, Mil15, MB07, MA11, MH15, Mit15, Moh15, MBW07, ML16, MSW08, MAC14, Mül13, MS07, MGS07, Nag06, Nel15, Ngu08d, Ngu08a, Ngu08b, Ngu08c, Ngu08e, Nil07b, Nil07a, Nix15, O'C13, Oli07, Orl97, OMGDG14, Pal14, Par11, Pat16, PHF10, Pay11, Per14a, PGH11, Per14b, Pet02, Phi10, Phi15, Pil04, Pil09, Pip15, Ple02, Plo97, PMM+13, PHH+12, Pop10, PBN+09, Pre03, Pul00, Rad06, Rad08, RKVL14, Ram15, RDS07, RG00, RMZG06, RO15a, RO15b, Ree04, RZ09, Rem01a, Rem01b, RG10, RG14, Ric15, RH15, Rom14, Roo97, Ros13, Ros14, SW14, Sah12, Sah15, SSH08, Sal14, San13, SL08, San15, SW15, ST+07, SWD15, Sei09, Sei14, Sev13, Sev15a]. **Python** [Sev15b, Sha03, She15, She97, Shi07, Sil14, SSH16, SLGB14, Sit02, Sla15, Sma12, Spo12, Ste06, SB15, SBMD14, SM04, Stu07, Suc13, Sum08, Sum09, Sum10, Suz97, Swe09, Swe13, Tab10, Tan01, Tan06, Tel06, TSC02, Tie16, TGEA09, Tom15, Tos09, Tro96c, Tro96a, Tro96b, Tro97, ÜK12, Ull15, Vai09, Vai14, VB08, Van97b, Van16, Var16, Vir16, VKSB15, Wal07, Wal97, Wat95, WvA96, Wei06b, Wei15, Wes15, WMA12, WO14, Wil97a, Wil00, Wil05, XMW10, Yan14, Yes15, You08, Zac15, Zho97, Zia06, ZKB+08, Zuk97, dos01, vd91, van95a, van95b, van95c, van95d, van97a, van98b, van98c, van98a, vRDK99, vRD03, vRD05a, vRD05b, vF97, Bri06, Joh97, Myr15, Orr05, Roo98]. **Python-Based** [BBB02, BKMY04, Aya14, BKMY03, Dec04, Gup15, Lac06, PBN+09]. **Python-Buch** [vF97]. **Python/C** [van98c]. **Pythonic** [Dal01]. **Pythons** [Dub05]. **PythonTEX** [MS13, Poo16]. **PyTrilinos** [SSH08, Spo12].

Q&A [Chu02b]. **QEDv2** [SV14]. **QGIS** [Law15]. **Qt** [Sum08]. **quadratic** [GS12]. **quality** [Tos09]. **Quantitative** [KLM14, KLM15, Yan14]. **QuantLib** [Vir16]. **QuantLib-Python** [Vir16]. **Quantum** [Nil07b, HPT+16, JNN12, JNN13, SV14]. **Quelltext** [DF00]. **Query** [Bis01]. **quest** [Ros08]. **queueing** [DDMS14]. **quickly** [SW15]. **quickstart** [Feh02]. **quivers** [GS12]. **QuTiP** [JNN12, JNN13].

R [Mil14, Mil15, Mül13, XMW10]. **Random** [KJ14, Pat16, CSRV13]. **range** [Pip15, Sar14]. **ranging** [She97]. **Rapid** [Ano01b, RDS07, Ree04, RCRS06, Sum08, UVa95, Gar09, ST+07]. **Raspberry** [BW14, Cox14, Don14, Nix15]. **Rational** [Ano00b]. **Ravishankar** [Myr15]. **Reaching** [Gre07]. **readership** [Myr15]. **ready** [Ada14]. **reagent** [Pop10]. **Real** [RAH+01, Bri06, GHT08, Gup15, Jos15, Kar14, Lot14a, Sar14, Yan14]. **real-life** [Yan14]. **real-world** [GHT08, Gup15, Jos15, Kar14, Lot14a, Sar14]. **Reality** [UVa95]. **Receptury** [BJ14b]. **Recipes** [BJ14a, Buc15, Cox14, Law15, Per14b, Ros14, Sar14]. **Reconfigurable** [Kla99]. **reconnecting** [Lon08]. **Recordings** [TS14]. **recursion**

[SG07]. **Reduction** [BTR14]. **Reed** [Jan10]. **Reference** [Ano00a, Lut98b, Lut02, van98c, vRD05a, Bea00, Bea01, Bea06, Bea09b, GHT08, Lut05, Lut14, Stu03, Stu07, van95b, van95c]. **Referenz** [EK08]. **Regular** [Stu03, Stu07, LR14, Rom14, SM04]. **Reguläre** [SKS08]. **related** [Wes15]. **relationship** [LFT09]. **Relaxations** [Wit15]. **Release** [Chu02a, vRD03]. **Released** [Ano00b]. **Releases** [Ano00b]. **Religions** [Wil00]. **remarkable** [Tos09]. **repair** [BRM10]. **replacement** [Ano12]. **replay** [BRM10]. **report** [CM07, Pop10]. **representation** [HPH12]. **Reproducible** [LeV09]. **reprogramming** [OMGDG14]. **requests** [CV15]. **Research** [BVB+07, LeV09]. **réseau** [Swi09]. **Resonance** [MB07]. **Resource** [Bru09, VFMM08]. **responsive** [Ull15]. **REST** [Suc13]. **results** [Pop10]. **RETCON** [BRM10]. **retrofitted** [TTS+10]. **retuschieren** [DF00]. **Reusable** [Mit00]. **reuse** [Kno08]. **reverse** [Sei09]. **Review** [Ano97a, Jan10, Joh97, Mat16, Orr05, Roo98, Wep15]. **Reviews** [Ano00a, Bax01, Hug01]. **Rexx** [Pre03]. **rft1d** [Pat16]. **Rich** [Lac06, Lac06]. **richtig** [DF00]. **rifarensu** [SM04]. **Right** [HKM08, Buc15]. **robot** [Len15]. **robotics** [BKMY03, BMK03, BKMY04, Len15, Men09, OMGDG14]. **Robots** [KB07, Men09]. **robust** [Pal14]. **Rookies** [MSW08]. **roots** [GS12]. **ROS** [Len15]. **Rossum** [Chu02b, Dou98, Kuc98a, Sev15a, Sev15b]. **Routines** [Mül13]. **RPC** [Por03]. **Ruby** [SKS08, Bla02, Bla04, Gut04, Ngu08d, Ngu08e, Stu07]. **rule** [Sto13]. **run** [Pip15]. **Running** [Ber13, SW15]. **Russell** [Ano00a].

safe [Men09]. **Salt** [Hos12]. **Sampling** [SN12]. **San** [ACM92, Ano97b]. **Scalable** [GFB+14, Lon08, Pip15]. **scale** [BL97b, BCG05]. **scales** [PBN+09]. **Scaling** [MAC14]. **Scheme** [DF00]. **schneller** [Wei06b]. **Science** [IEE97b, Lan08, Van16, BM15, HHK+09, Lan06, Lan07, Mad15, MR07, Mil14, Mil15, Nel15, Rad06, RMZG06, Ros14]. **Scientific** [DGMP09, DY96b, DY99, HTA+97, Hin02, Oli07, PG07, PGH11, SDS00, Sma12, VB08, BL97b, Ber13, CLM05, CSRV13, DDMS14, Lan09, Lan11, Lan12, Meh15, Nil07a, RCRS06, SML06, Wep15, YFD98]. **Scientist** [Dow15, Dow09]. **Scientists** [MA11, Ste14]. **SciPy** [Ber13]. **SCO** [DF00]. **Scope** [Myr15]. **Scott** [Mit00]. **scraper** [Nai14]. **scraping** [Mit15, Nai14]. **scratch** [Len15]. **Scripting** [Ano98d, Bea98, Dör08, Hin07, Kak08, Lan08, Lut98a, Lut01, McG98c, Ngu08e, Pre03, Rem01b, Wei06a, AW06, Bea96, BL97b, CEI+12, FhDAF09, LS97, Lan06, Lan07, Ngu08d, She97]. **Scripts** [Bla04, LM03, She97, Van97b, Ano12, Bla02, Ngu08d, Vai09, Vai14]. **seamlessly** [CV15]. **Seattle** [CI96]. **Second** [Ano00a, USE96, Ano00b]. **Secret** [Swe13, Lot14b]. **security** [O'C13, Ste06]. **Sed** [Bla02, Bla04]. **Seiki** [SM04]. **selection** [SVY09]. **Selective** [Zuk97]. **Selenium** [Gun14]. **self** [HWW+15, MD15]. **self-optimizing** [HWW+15, MD15]. **Semi** [Ano97c]. **Semi-Structured** [Ano97c]. **Semidefinite** [Wit15]. **semistructured** [HGMC+97]. **sendmail** [Ano00a]. **sense** [Mad15]. **serial** [CLM05]. **Series** [KSB12]. **Server** [Ang00b, Ang00c, Ano00b, Ano01b, Mit00]. **Servers** [Kla99]. **services** [CV15]. **Seven** [Pre00]. **sharing** [Hos14]. **sharpen** [Ros14]. **Shell** [Bla02, Bla04]. **Should** [How06]. **Showcase** [USE00]. **SIAM** [HTA+97]. **Signal** [APS10]. **simple** [AW06, Lub14, She97]. **simplify** [HLSØ06]. **simulate** [Len15]. **Simulating** [MMEH08, SV14]. **simulation** [BSG+16]. **simulations** [CMM14, HHP+16, ML16, RKVL14, San13].

Simulator [LFN+11]. **site** [DMC+15]. **sites** [RDS07]. **Skew** [Wim12]. **Skew-Symmetric** [Wim12]. **Skill** [Ngu08d]. **skills** [LFT09, Ros14]. **Smart** [Seg07]. **SMMP** [MMEH08]. **Smooth** [Pat16]. **Snippet** [Har15, XMW10]. **SOA** [Suc13]. **SoC** [LHM14]. **social** [sR11, Rus14]. **Software** [ACM97, Ano01b, BH12, HPT+16, Hin03, IEE97b, PHH+12, Tro96c, Tro96a, Tro96b, Tro97, Yes15, Dow09, Hen08, Ros08, ZKB+08, Ano00b, Ano01b]. **Solaris** [DF00]. **Sold** [RAH+01]. **Soldier** [RAH+01]. **solute** [DMC+15]. **Solution** [BT06, LMW12, Bra13, SSH16]. **Solutions** [Tro96c, Tro96a, Tro96b, Tro97, Sar14]. **Solve** [MSL+07, Kar14, Wil05]. **solvent** [CBB14]. **solvent-filled** [CBB14]. **solver** [CBB14]. **Solvers** [CL06, SSH08]. **Solving** [ŚBA+15, CKK+13]. **something** [Orl97]. **Sometimes** [Wil02]. **sophisticated** [She97]. **Sorted** [Har15]. **Soup** [Nai14]. **Source** [Anoxxd, LFN+11, Ray98, Bah15, CFW17, Idr14, JNN12, JČMG11, KSH14, SML06, Ull15, You08]. **sous** [Bla02, Bla04]. **Space** [JWHS16, SBMD14]. **Space-Time** [JWHS16]. **Sparse** [Wit15]. **Special** [Bal12, Kor11]. **Special-Function** [Kor11]. **specific** [HWW+15, Sla15]. **Spectrometry** [SN12]. **Spectrometry-Based** [SN12]. **Sprachgrundlagen** [EK08]. **Spring** [Eur91]. **SQLAlchemy** [Cop08, Gar09]. **Sridevi** [Myr15]. **Stack** [Hos12]. **Standard** [Lun01, Gar09, HCPF95]. **Starbase** [Ano00b]. **Stark** [CFSK14]. **Stark-effect** [CFSK14]. **Stars** [Gre07]. **start** [Cha15]. **Started** [Nai14, Hos12, McG07b, Nix15, Ric13]. **Starting** [Gad09]. **State** [SBMD14, Wei15]. **state-of-the-art** [Wei15]. **static** [FhDAF09, RJAL09, RF16]. **statically** [CEI+12, IOC+12]. **statically-typed** [IOC+12]. **statistical** [CSRV13, San13, Wei15]. **Statistics** [JWHS16, SLGB14, Sah15]. **Steering** [YFD98]. **Stern** [CBB14]. **Stochastic** [PHF10]. **Stop** [Ray98]. **Storage** [BDT13, PFH+16]. **stored** [HF06]. **straightforward** [Arb14]. **strategies** [BDT13, PFH+16]. **Structured** [Ano97c]. **Structures** [Jan10, RZ09]. **Structuring** [Ngu08a]. **stub** [vd91]. **Student** [SG07, SL08]. **Students** [SDS00, HS13, Lon08]. **Studies** [JWHS16, ÜK12]. **Studio** [SW14, SW14]. **Study** [TS14, LHM14, OMGDG14, Rad08, RCRS06]. **stuff** [Swe14]. **Stunden** [Wal07]. **Style** [Wei06b]. **Successful** [RMZG06]. **such** [Gup15]. **suitability** [OMGDG14]. **Summit** [Ray98]. **support** [HMD+96, IOC+12, Tab10]. **supporting** [KL97]. **supports** [SML06]. **SuSe** [RAH+01]. **SVG** [Ada14]. **SWIG** [Bea96, Bea98, Cot03]. **Switzerland** [IEE97a]. **symbolic** [AM10, BKC14]. **Symmetric** [Wim12, CFSK14]. **symmetry** [CFSK14]. **Symposium** [ACM97, HK95, IEE97a]. **SymPy** [JČMG11]. **Syntax** [SS13]. **synthesizing** [LWH+10]. **System** [Ang00a, Ano00b, Bru09, EVV12, Kor11, PG07, GJ08, Hos12, HMD+96, KL97, Sil14, Ste06]. **Systems** [CI96, ESM98, Eur91, MS07, MGS07, USE96, CR15, DDMS14, JNN12, JNN13, JČMG11, LHM14, MMP11, Pal14].

T [Ano00a]. **tailor** [Cox14]. **tailor-made** [Cox14]. **Taint** [CR12]. **tale** [GHT06]. **tasca** [Day07a]. **task** [Fee16]. **tasks** [Sar14]. **Tcl** [SML06, Ass96, DF00, Bla04, Ngu08d, Ngu08e, Bla02, LS97, McG98c, Pre03]. **Tcl/Tk** [McG98c]. **Tcl/Tk** [Ass96]. **TDD** [Sal14]. **teacher** [Myr15]. **Teaching** [GL07b, GL08c, KLM14, KLM15, BKMY03, BKMY04, MBK09, RMZG06]. **Techniques** [Joh15, Mat16, Bow15, Idr14, Lan13, MS15, Mil14, Mil15, Per14b, TSC02]. **Technologies** [USE96]. **Technology**

[ACM97, ESM98, Hos14, Lon08]. **teens** [Lam15]. **Teleconferencing** [Ago01]. **TeMIP** [AW06]. **Template** [How98]. **templating** [LC11]. **Test** [Gov15, Ngu08a, Per14a, Ang99]. **Test-driven** [Gov15, Per14a]. **testers** [O'C13]. **Testing** [Duf15, Sal14, Arb14, Buc15, Gun14, LC11, Moh15]. **Text** [Aya14, DF00, Mer03, Per14b]. **textbook** [Myr15]. **their** [GS12]. **theKompany.com** [Ano01b]. **theory** [SSH16]. **they're** [LS97]. **things** [McK16, DAJ+15]. **Think** [Dow15, Dow09]. **thinking** [HHK+09]. **Thomas** [KSB12]. **thoroughly** [BM15]. **Threaded** [Pul00]. **Threads** [Wei06a]. **Three** [Bea12, Ros08]. **Time** [Ano98d, JWHS16, KSB12, Wil01, RF16, TTS+10, WMA12]. **tip** [GHT06]. **Tits** [GS12]. **Tk** [Ass96, Bla02, Bla04]. **Tkinter** [Ano00a, Wei06b, Gra00]. **TM** [Jac02]. **today** [LS98]. **tongue** [GHT06]. **Too** [RAH+01]. **tool** [Bea96, Con95, Law15, Lot14b, You08]. **Toolbox** [SLGB14, HPT+16]. **Toolchest** [Ang99]. **Toolkit** [CK00, Jac02, Rem01a, Tal00, SML06]. **toolkits** [LS98]. **Tools** [Ano00b, Ano01b, DGMP09, LeV09, CFW17, Gar09, Gun14, Meh15, SW14, Wes15, ESM98]. **TOOLS-23** [ESM98]. **toolset** [LC11]. **top** [CFSK14]. **Topics** [LT03]. **Toronto** [USE96]. **total** [Swe14]. **Tour** [Ngu08b, van98a]. **Tracing** [MD15, ABF13, BBH+15, HS12, LFT09, PFH+16]. **tradeoffs** [IOC+12]. **Training** [Wal07]. **Transactional** [Ano01b, BRM10, Tab10]. **transcendent** [Ros08]. **transformation** [Vai09, Vai14]. **transformations** [LGS10, Tid07]. **translating** [Men09]. **translation** [GS12]. **TRAPping** [Ern99]. **Trees** [SN12]. **Trilinos** [Spo12]. **Tromsø** [Eur91]. **Tucson** [Ano97c]. **TurboGears** [MBW07, RDS07]. **turbulent** [ML16]. **turn** [Law15]. **Tutorial** [Wat95, vRD05b, Hig03, KD99, Sto13, van95d, vRDK99]. **TV** [Wal07]. **Twisted** [FL06, Kin05]. **Two** [Ros08]. **type** [Men09, RF16]. **type-safe** [Men09]. **typed** [BDT13, CEI+12, IOC+12]. **typing** [FhDAF09, TSD+12, VKSB15].

u.v.m [EK08, The09]. **Ubiquitous** [AJH+12]. **Übungen** [Wei06a]. **Ugly** [Bea09a]. **UI** [Ull15]. **UI/UX** [Ull15]. **UIST** [ACM97]. **umfassende** [EK08, EK09]. **Umgang** [DF00]. **Umsteiger** [The09]. **uncertain** [McK16]. **uncover** [Lot14b]. **undergraduate** [Myr15]. **understand** [Wei15]. **understanding** [BM15]. **Undo** [Zuk97]. **Unicode** [Swi09]. **Unification** [AAC+98]. **unit** [LC11, Sal14]. **unit-testing** [LC11]. **Unix** [DF00, Eur91, SML06, GJ08, Ngu08e]. **unleash** [Cox14, Gal14, Hia15, MH15, Phi15]. **Unleashed** [MGS07]. **unlock** [Gal14, RO15a]. **Unparametrized** [KSB12]. **Untapped** [Bru09]. **Upcrossing** [Pat16]. **Update** [Ano00b, Kuc97]. **Updates** [Ano00b, Ano01b, HPT+16, PHH+12, Yes15]. **uPy** [AJH+12]. **USA** [HK95, USE00]. **Use** [How06, Bea96, HPH12, PAB+97, Pop10, Sah15, Tom15]. **use-case** [HPH12]. **used** [Wei15]. **User** [ACM97, Ano01a, Cha01, DF00, Mac91, Mac92a]. **Using** [APS10, Bie97, Bis01, BCG05, CL06, CSRV13, Cot03, Est01, HLSØ06, HS13, Jan10, KJ15, LM03, Lut99, MSL+07, Vir16, XMW10, Ada14, Ber13, CV15, CKK+13, CBB14, Cox14, Gar09, GFB+14, Gup15, Hia15, HCPF95, Jos15, Kar14, Lan13, Len15, Lot14b, Lot15b, MS15, Meh15, MH15, Myr15, Nel15, Nil07b, Pal14, Pay11, Per14b, RDS07, RJAL09, RZ09, Sha03, Tab10, Ull15, Wes15, Wil05, Zac15]. **utility** [Ano12]. **utilize** [Bah15, SW15]. **utilizing** [LC11]. **UX** [Ull15].

v [MMEH08]. **Validation** [Pre03].

Variables [KJ14, Wit15]. **Vererbung** [Wei06a]. **versatile** [BKMY03, BKMY04]. **Versionen** [DF00]. **via** [CR12]. **Video** [Wal07]. **Video-Training** [Wal07]. **vielen** [The09]. **Viewer** [Ano00b]. **Violent** [O'C13]. **Virtual** [UVa95, PFH+16]. **vision** [Jos15, MH15]. **VisTrails** [TGEA09]. **Visual** [Ano01b, Feh02, Vai09, Vai14, YPB16, SW14]. **Visualization** [APS10, Ada14, Ros13, Ros14, SML06, Vai09, Vai14]. **visualize** [SML06]. **vital** [RO15a]. **VizGen** [YPB16]. **vorbereiten** [DF00]. **VPython** [SDS00]. **VR** [UVa95]. **vs** [MD15]. **VTK** [SML06].

Wacky [RAH+01]. **waLBerla** [BSG+16]. **Want** [Wil02]. **Warps** [Wil01]. **Washington** [CI96]. **wavefunction** [HPT+16]. **wavefunctions** [CFSK14]. **way** [Tos09]. **ways** [Sla15]. **Web** [EK08, Mit15, Seg07, Buc15, CV15, Dal07, Gar09, Gup15, HF06, Nai14, Pip15, sR11, Rus14, Swi09, Ang00a, Ano00b, CB96, FBC09, HGMC+97, Hig03, HKM08, KL97, MBW07, RDS07, TSC02]. **Web-Based** [Ang00a]. **Web-Programmierung** [EK08]. **WebWriter** [CB96]. **well** [Cha15]. **Where** [Wat95]. **Which** [Sit02]. **Who** [Wat95]. **whole** [Ano98e]. **wide** [Sar14]. **Widgets** [Tro96b]. **Win32** [HR00]. **window** [Rem01b]. **Windows** [DF00, SML06, Ano00b, HR00]. **Wireless** [Ago01]. **within** [TGEA09]. **without** [BRM10]. **wits** [SG07, HRS06, SL08]. **workbench** [Hos14]. **working** [CFW17]. **Workshop** [Ano97c, CI96, Ass96]. **world** [GHT08, Gup15, Jos15, Kar14, Lot14a, Mad15, McK16, Sar14]. **Worlds** [Hug97]. **Wrangling** [KJ15]. **Wrapper** [LD07, Tan01]. **write** [Sla15]. **Writing** [Mit00, Van97b, LFT09]. **WSG** [Gar09]. **wxPython** [Tal00].

X [Tro96a]. **XDK** [Ano00b]. **XFree86** [DF00]. **XFree86/23.3.6** [DF00]. **XML** [Wei06a, Wei06b, JD02, McG98b, McG98a, McG00, Por03, Tid07, VB08]. **XML-RPC** [Por03]. **XSLT** [Tid07]. **xturtle** [Lin06b].

year [HRS06]. **Years** [Bea12, Sev15a, Ros08]. **YesSoftware** [Ano01b].

Zato [Suc13]. **Zelle** [Jan10]. **Zope** [HAE00, Pel01]. **Zugriff** [Wei06b].

References

Achtzehnter:1998:ILU

[AAC+98] Joachim Achtzehnter, Judy Anderson, Antony Courtney, Doug Cutting, Mark Davidson, Jeanette Figueroa, Ken Fishkin, Scott Hassan, Rob Head, Chris Jacobi, Bill Janssen, Swen Johnson, Dan Larner, Bill Nell, Denis Severson, Bridget Spitznagel, Mike Spreitzer, Mark Stefik, Martin von Löwis, Farrell Wymore, and Rick Yardumian. Inter-language unification. Technical Report ??, Xerox Palo Alto Research Center, Palo Alto, CA, USA, May 12, 1998. URL `ftp://ftp.parc.xerox.com/pub/ilu/ilu.html`. The ILU system can be used from C++, Common Lisp, Guile, Java, Modula-3, Perl, Python, Scheme, and Standard C.

Arnold:1997:HDO

[ABC97] David Arnold, Andy Bond, and Martin Chilvers. Hector: Distributed objects in Python. *Dr. Dobb's Sourcebook*, ??(??): ??, January/February 1997.

ISSN 1077-9019. URL `http://www.ddj.com/ddsbk/1997/1997_01/arno.htm`.

Ardo:2013:LAO

[ABF13] Håkan Ardö, Carl Friedrich Bolz, and Maciej Fijałkowski. Loop-aware optimizations in PyPy's tracing JIT. *ACM SIGPLAN Notices*, 48(2):63–72, February 2013. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

ACM:1992:PAC

[ACM92] ACM, editor. *Proceedings of the 1992 ACM Conference on Lisp and Functional Programming: papers presented at the conference, San Francisco, California, June 22–24, 1992*. ACM Press, New York, NY 10036, USA, 1992. ISBN 0-89791-483-X, 0-89791-481-3. LCCN QA76.73.L23A26 1992. Also published as *LISP Pointers*, vol. **V**, no. 1, January-March, 1992. ACM order no. 552920.

ACM:1997:PAS

[ACM97] ACM, editor. *Proceedings of the ACM Symposium on User Interface Software and Technology. 10th Annual Symposium. UIST '97: Banff, Alberta, Canada, 14–17 October 1997*. ACM Press, New York, NY 10036, USA, 1997. ISBN 0-89791-881-9. LCCN ????

Adams:2014:LPD

[Ada14] Chad Adams. *Learning Python data visualization: master how to build dynamic HTML5-ready SVG charts using Python and the* `pygal` *library*. Community Experience Distilled. Packt Publishing, Birmingham, UK, 2014. ISBN 1-78355-333-2, 1-78355-334-0 (e-book). iii + 195 pp. LCCN QA76.73.P98. URL `http://proquest.tech.safaribooksonline.de/9781783553334`.

Agoren:2001:KKL

[Ago01] Izzet Agoren. Kernel korner: Linux teleconferencing: Improving the wireless network. *Linux journal*, 85:24, 26, 28, 30, May 2001. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic). See erratum [Ano01a].

Autin:2012:UUC

[AJH+12] Ludovic Autin, Graham Johnson, Johan Hake, Arthur Olson, and Michel Sanner. uPy: a ubiquitous CG Python API with biological-modeling applications. *IEEE Computer Graphics and Applications*, 32(5):50–61, September/October 2012. CODEN ICGADZ. ISSN 0272-1716 (print), 1558-1756 (electronic).

Alchin:2009:PD

[Alc09] Marty Alchin. *Pro Django*. Springer eBook Collection Professional and Applied Computing [Dig. Serial]; Springer-12059 [Dig. Serial]. Apress, Berkeley, CA, USA, 2009. ISBN 1-4302-1048-6. ???? pp. LCCN ????

Alnaes:2010:ESC

[AM10] Martin Sandve Alnæs and Kent-André Mardal. On the efficiency of symbolic computations combined with code generation for finite element methods. *ACM Transactions on Mathematical Software*, 37(1):6:1–6:26, January 2010. CODEN ACMSCU. ISSN 0098-3500 (print), 1557-7295 (electronic).

Angell:1999:PTE

[Ang99] Kirby W. Angell. Programmer's toolchest: Examining JPython: a Java test engine puts Python to the test. *Dr. Dobb's Journal of Software Tools*, 24(4):78, 81–83, April 1999. CODEN DDJOEB. ISSN 1044-789X. URL `http://www.ddj.com/ftp/1999/1999_04/jpython.txt`; `http://www.ddj.com/ftp/1999/1999_04/jpython.zip`.

Ang:2000:WBL

[Ang00a] Cheng-Chai Ang. A Web-based lunch ordering system. *Linux journal*, 79:176–??, November 2000. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

Angell:2000:PSPa

[Ang00b] Kirby W. Angell. Python server pages: Part 1. *Dr. Dobb's Journal of Software Tools*, 25(1):44, 46–47, 50, January 2000. CODEN DDJOEB. ISSN 1044-789X. URL `http://www.ddj.com/ftp/2000/2000_01/psp1.txt`; `http://www.ddj.com/ftp/2000/2000_01/psp100.zip`.

Angell:2000:PSPb

[Ang00c] Kirby W. Angell. Python server pages: Part II. *Dr. Dobb's Journal of Software Tools*, 25 (2):54, 57–61, February 2000. CODEN DDJOEB. ISSN 1044-789X. URL `http://www.ddj.com/ftp/2000/2000_02/psp2.txt`.

Anonymous:1995:NIP

[Ano95] Anonymous. NIST investigates Python programming language. *Journal of research of the National Institute of Standards and Technology*, 100(1):101, January/February 1995. CODEN JRITEF. ISSN 1044-677X (print), 2165-7254 (electronic). URL `http://nvl.nist.gov/pub/nistpubs/jres/jrescont.pdf`.

Anonymous:1997:BRI

[Ano97a] Anonymous. Book review: Internet Programming with Python. *Linux journal*, 42: ??, October 1997. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic). URL `http://www.linuxjournal.com/2152.html`.

Anonymous:1997:PIP

[Ano97b] Anonymous, editor. *Proceedings of the 6th International Python Conference: October 14–17, 1997, San Jose, California*. Corporation for National

Research Initiatives, 1895 Preston White Drive, Suite 100, Reston, VA 20191, USA, 1997. ISBN ???? LCCN ????

Anonymous:1997:PWM

[Ano97c] Anonymous, editor. *Proceedings of the Workshop on Management of Semi-Structured Data: Tucson, Arizona, May 16, 1997*. ????, ????, 1997. ISBN ???? LCCN ????

Anonymous:1998:P

[Ano98a] Anonymous. Python. *Web Review*, ??(??):??, April 10, 1998. URL `http://webreview.com/wr/pub/freeware/python.html`.

Anonymous:1998:PDA

[Ano98b] Anonymous. The Python DB-API. *Linux journal*, ??(??):??, April 1998. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic). URL `http://www.ssc.com/lj/`.

Anonymous:1998:PEL

[Ano98c] Anonymous. Python extensions: LLNL-distributed extensions. Technical Report UCRL-128569, Lawrence Livermore National Laboratory, Livermore, CA, USA, 1998. URL `http://xfiles.llnl.gov/python.htm`. Includes Numerical Python, Python/PactPDB interface, PyGraphics, PyHistory, RNG (random number generator), CXX_Objects (Python extensions in C++).

Anonymous:1998:SLG

[Ano98d] Anonymous. Scripting languages go prime time. *Software Development magazine*, ??(??):??, April 1998. URL `http://www.sdmagazine.com`. Discusses Python, Perl, and Tcl.

Anonymous:1998:WPF

[Ano98e] Anonymous. The whole Python FAQ. Technical report, Corporation for National Research Initiatives, 1895 Preston White Drive, Suite 100, Reston, VA 20191, USA, 1998. URL `http://www.python.org/doc/FAQ.html`. For Python Release 1.5.1.

Anonymous:2000:BRLb

[Ano00a] Anonymous. Book reviews: Linux Programmer's Reference Second Edition by Ibrahim F. Haddad; Python and Tkinter Programming by Phil Hughes; sendmail for Linux by Russell J. T. Dyer. *Linux journal*, 77:??, September 2000. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic). URL `http://noframes.linuxjournal.com/lj-issues/issue77/3861.html`; `http://noframes.linuxjournal.com/lj-issues/issue77/3989.html`; `http://noframes.linuxjournal.com/lj-issues/issue77/4184.html`.

Anonymous:2000:POR

[Ano00b] Anonymous. Products: Oracle releases XDK update; Starbase's code editing system; Arc Second's palm PC

CAD viewer; Minolta's network document server for Windows 2000; Borland's Java development tools for Palm OS; Rational's code management tools; Blaxxun Interactive's Web communications platform tools; Informix Software's Linux database engine; ActiveState updates free Python distribution; KDE 2.0 released. *Computer*, 33(12):144–146, December 2000. CODEN CPTRB4. ISSN 0018-9162 (print), 1558-0814 (electronic). URL `http://dlib.computer.org/co/books/co2000/pdf/rz144.pdf`.

Anonymous:2001:EIA

[Ano01a] Anonymous. Errata: Izzet Agoren's Kernel Corner, May 2001, Mitch Chapman's "Create User Interfaces with Glade" (July 2001). *Linux journal*, 89:6, September 2001. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic). See [Ago01, Cha01].

Anonymous:2001:PPS

[Ano01b] Anonymous. Products: ProxySource's software design and collaboration application; YesSoftware's code generation application; Persistence Software's transactional application server; Instantiation's Java productivity tools; JCanvas visual rapid application IDE; theKompany.com's Python development environment; NeuVis updates E-business visual modeling tools; LegacyJ's Java-compliant Cobol compiler. *Computer*, 34(3):108–109, March 2001. CODEN CPTRB4. ISSN 0018-9162 (print), 1558-0814 (electronic). URL `http://dlib.computer.org/co/books/co2001/pdf/r3108.pdf`.

Anonymous:2002:CPF

[Ano02] Anonymous. Correction: "Python and Finite Elements". *Dr. Dobb's Journal of Software Tools*, 27(4–4):10, April 2002. CODEN DDJOEB. ISSN 1044-789X. URL `http://www.ddj.com/`. See [Ple02].

Anonymous:2012:PSR

[Ano12] Anonymous. Python scripts as a replacement for `bash` utility scripts. *Linux journal*, 2012 (223):1:1–1:??, November 2012. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

Anonymous:20xx:PP

[Anoxxa] Anonymous. The Python papers. Web site, 20xx. ISSN 1834-3147. URL `http://pythonpapers.org/tpp.html`.

Anonymous:20xx:PPA

[Anoxxb] Anonymous. Python papers anthology. Web site, 20xx. URL `http://pythonpapers.org/`.

Anonymous:20xx:PPM

[Anoxxc] Anonymous. Python papers monograph. Web site, 20xx.

URL http://pythonpapers.org/tppm.html.

Anonymous:20xx:PPS

[Anoxxd] Anonymous. Python papers source codes. Web site, 20xx. ISSN 1836-621X. URL http://pythonpapers.org/tppsc.html.

Antao:2015:BPC

[Ant15] Tiago Antao. *Bioinformatics with Python cookbook*. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78217-511-3, 1-78355-865-2 (e-book). 306 (est.) pp. LCCN QA76.73.P98 .A583 2015.

Anderson:2010:UPS

[APS10] Erik W. Anderson, Gilbert A. Preston, and Claudio T. Silva. Using Python for signal processing and visualization. *Computing in Science and Engineering*, 12(4):90–95, July/August 2010. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

Arbuckle:2014:LPT

[Arb14] Daniel Arbuckle. *Learning Python testing: a straightforward and easy approach to testing your Python projects*. Community experience distilled. Packt Publishing, Birmingham, UK, second edition, 2014. ISBN 1-78355-321-9, 1-78355-322-7. v + 180 pp. LCCN QA76.73.P98 A728 2014.

USENIX:1996:ATT

[Ass96] USENIX Association, editor. *4th Annual Tcl/Tk Workshop '96, July 10–13, 1996. Monterey, CA*. USENIX, Berkeley, CA, USA, July 10–13, 1996. ISBN 1-880446-78-2. LCCN QA76.73.T44 T44 1996.

Andersson:2006:PSN

[AW06] Mats Andersson and Robert Wedin. *Python scripting for network management: PyMIP–TeMIP made simple*. Examensarbete, Högskoleingenjörsprogrammet. Luleå tekniska universitet, Skellefteå, Sweden, 2006. ISSN 1404-5494. URL http://epubl.ltu.se/1404-5494/2006/043/; http://epubl.ltu.se/1404-5494/2006/043/LTU-HIP-EX-06043-SE.pdf.

Aakerblom:2016:MPP

[ÅW16] Beatrice Åkerblom and Tobias Wrigstad. Measuring polymorphism in Python programs. *ACM SIGPLAN Notices*, 51(2): 114–128, February 2016. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Ayars:2014:FPB

[Aya14] Eric Ayars. Finally, a Python-based computational physics text. *Computing in Science and Engineering*, 16(1):6–7, January/February 2014. CODEN CSENFA. ISSN 1521-9615.

Browning:2014:PP

[BA14] J. Burton Browning and Marty Alchin. *Pro Python*. The expert's voice in Python. Apress, Berkeley, CA, USA, second edition, 2014. ISBN 1-4842-0335-6, 1-4842-0334-8 (e-book). LCCN QA76.73.P98.

Backer:2007:CPE

[Bäc07] Arnd Bäcker. Computational physics education with Python. *Computing in Science and Engineering*, 9(3):30–33, May/June 2007. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

Bahgat:2015:PGD

[Bah15] Karim Bahgat. *Python geospatial development essentials: utilize Python with open source libraries to build a lightweight, portable, and customizable GIS desktop application*. Community experience distilled. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78217-540-7, 1-78217-441-9 (e-book). 192 (est.) pp. LCCN QA76.73.P98. URL `http://proquest.safaribooksonline.com/?fpi=9781782175407`.

Bailly:2008:IPA

[Bai08] Yves Bailly. *Initiation à la programmation avec Python et C++*. Pearson Education France, Paris, France, 2008. xi + 255 pp. LCCN ????

Baldwin:2012:SPG

[Bal12] Doug Baldwin. Special projects grants awarded. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 44(3):6, July 2012. CODEN SIGSD3. ISSN 0097-8418.

Barry:2011:PA

[Bar11] Paul Barry. Python for Android. *Linux journal*, 2011(203): 1:1–1:??, March 2011. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

Bassi:2008:PB

[Bas08] Sebastian Bassi. *Python for bioinformatics*. Chapman and Hall/CRC mathematical and computational biology series. Chapman and Hall/CRC, Boca Raton, FL, USA, 2008. ISBN 1-58488-929-2 (paperback). ???? pp. LCCN ????

Bassi:2010:PB

[Bas10] Sebastian Bassi. *Python for bioinformatics*. Chapman and Hall/CRC mathematical and computational biology series. CRC Press, 2000 N.W. Corporate Blvd., Boca Raton, FL 33431-9868, USA, 2010. ISBN 1-58488-929-2 (paperback). xxv + 584 pp. LCCN QH324.2 .B387 2010.

Bauer:1996:IP

[Bau96] Jeff Bauer. An introduction to Python. *Linux journal*, 21: ??, January 1996. CODEN LI-

JOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

Baxter:2001:BRC

[Bax01] Michael Baxter. Book reviews: *Core Python Programming*. *Linux journal*, 85:100–101, May 2001. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic). URL `http://noframes.linuxjournal.com/lj-issues/issue85/4564.html`.

Baumgartner:2002:DIP

[BBB02] Florian Baumgartner, Torsten Braun, and Bharat Bhargava. Design and implementation of a python-based active network platform for network management and control. *Lecture Notes in Computer Science*, 2546:177–??, 2002. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.de/link/service/series/0558/bibs/2546/25460177.htm`; `http://link.springer.de/link/service/series/0558/papers/2546/25460177.pdf`.

Bauman:2015:PTJ

[BBH+15] Spenser Bauman, Carl Friedrich Bolz, Robert Hirschfeld, Vasily Kirilichev, Tobias Pape, Jeremy G. Siek, and Sam Tobin-Hochstadt. Pycket: a tracing JIT for a functional language. *ACM SIGPLAN Notices*, 50(9):22–34, September 2015. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Boland:2009:IPD

[BC09] Michael G. Boland and Curtis Clifton. Introducing PyLighter: dynamic code highlighter. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 41(1): 489–493, March 2009. CODEN SIGSD3. ISSN 0097-8418. Proceedings of SIGCSE '09.

Broker:2005:UPL

[BCG05] Oliver Bröker, Oscar Chinellato, and Roman Geus. Using Python for large scale linear algebra applications. *Future Generation Computer Systems*, 21(6):969–979, June 2005. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic).

Bolz:2013:SSC

[BDT13] Carl Friedrich Bolz, Lukas Diekmann, and Laurence Tratt. Storage strategies for collections in dynamically typed languages. *ACM SIGPLAN Notices*, 48(10):167–182, October 2013. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic). OOPSLA '13 conference proceedings.

Beazley:1996:SEU

[Bea96] D. M. Beazley. SWIG: an easy to use tool for integrating scripting languages with C and C++. In Association [Ass96], pages 129–139. ISBN 1-880446-78-2. LCCN QA76.73.T44 T44 1996.

Beazley:1998:SAC

[Bea98] David Beazley. SWIG and automated C/C++ scripting extensions. *Dr. Dobb's Journal of Software Tools*, 23(2):30, 32, 34–36, 100, February 1998. CODEN DDJOEB. ISSN 1044-789X.

Beazley:2000:PER

[Bea00] David M. Beazley. *Python essential reference*. New Riders professional library. New Riders Publishing, Carmel, IN, USA, 2000. ISBN 0-7357-0901-7. xviii + 319 pp. LCCN QA76.73.P98 B43 2000.

Beazley:2001:PER

[Bea01] David M. Beazley. *Python essential reference*. New Riders Publishing, Carmel, IN, USA, second edition, 2001. ISBN 0-7357-1091-0. xviii + 398 pp. LCCN QA76.73.P98 B43 2001.

Beazley:2006:PER

[Bea06] David M. Beazley. *Python essential reference*. SAMS Publishing, Indianapolis, IN, USA, third edition, 2006. ISBN 0-672-32862-3 (paperback). xiii + 625 pp. LCCN QA76.73.P98 B43 2006.

Beazley:2009:PGB

[Bea09a] David Beazley. Python 3: The good, the bad, and the ugly. *;login: the USENIX Association newsletter*, 34(2): ??, April 2009. CODEN LOGNEM. ISSN 1044-6397. URL `https://www.usenix.org/publications/login/april-2009-volume-34-number-2/python-3-good-bad-and-ugly`.

Beazley:2009:PER

[Bea09b] David M. Beazley. *Python essential reference*. Addison-Wesley, Reading, MA, USA, fourth edition, 2009. ISBN 0-672-32978-6. xxi + 717 pp. LCCN ????

Beazley:2012:TYP

[Bea12] David Beazley. Three years of Python 3. *;login: the USENIX Association newsletter*, 37(1): ??, February 2012. CODEN LOGNEM. ISSN 1044-6397. URL `https://www.usenix.org/publications/login/february-2012/three-years-python-3`.

Bennett:2008:PDP

[Ben08] James Bennett. *Practical Django projects*. The expert's voice in Web development. Apress, Berkeley, CA, USA, 2008. ISBN 1-59059-996-9. xvii + 237 pp. LCCN TK5105.888.B4512; TK5105.888.B4512 2008.

Bernard:2013:RSC

[Ber13] Joey Bernard. Running scientific code using IPython and SciPy. *Linux journal*, 2013 (228):3:1–3:??, April 2013. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

Bell:2012:PSA

[BH12] Nathan Bell and Anil N. Hirani. PyDEC: Software and al-

gorithms for discretization of exterior calculus. *ACM Transactions on Mathematical Software*, 39(1):3:1–3:??, November 2012. CODEN ACMSCU. ISSN 0098-3500 (print), 1557-7295 (electronic).

Bielak:1997:UPG

[Bie97] Richie Bielak. Using Python to generate HTML pages. *Linux Gazette*, 19(??):??, July 1997. URL `http://www.ssc.com/lg/issue19/python.html`.

Bisca:2001:UPQ

[Bis01] Mihai Bisca. Using Python to query MySQL over the net. *Linux journal*, 85:104–106, 108, May 2001. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

Bertalan:2014:ONM

[BISC14] Tom S. Bertalan, Akand W. Islam, Roger B. Sidje, and Eric S. Carlson. OpenMG: a new multigrid implementation in Python. *Numerical Linear Algebra with Applications*, 21 (5):685–700, October 2014. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).

Beazley:2014:PCR

[BJ14a] David M. Beazley and Brian K. (Brian Kenneth) Jones. *Python cookbook: Recipes for mastering Python 3*. O'Reilly Media, Inc., 1005 Gravenstein Highway North, Sebastopol, CA 95472, USA, third edition, 2014. ISBN 1-4493-4037-7 (paperback), 1-4493-5736-9 (e-book). xvi + 687 pp. LCCN QA76.73.P98 B43 2013eb.

Beazley:2014:PR

[BJ14b] David M. Beazley and Brian K. (Brian Kenneth) Jones. *Python. Receptury*. Wydawnictwo Helion, Gliwice, Poland, third edition, 2014. ISBN 1-4920-1351-X (e-book), 1-4920-1350-1, 83-246-8180-9 (print). LCCN QA76.73.P98 B386 2014. URL `http://proquest.safaribooksonline.com/?fpi=9781492013501`. Translation of [BJ14a] to Polish by Tomasz Walczak.

Bucur:2014:PSE

[BKC14] Stefan Bucur, Johannes Kinder, and George Candea. Prototyping symbolic execution engines for interpreted languages. *ACM SIGARCH Computer Architecture News*, 42(1):239–254, March 2014. CODEN CANED2. ISSN 0163-5964 (print), 1943-5851 (electronic).

Bird:2009:NLP

[BKL09] Steven Bird, Ewan Klein, and Edward Loper. *Natural Language Processing with Python*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, 2009. ISBN 0-596-51649-5. 500 (est) pp. LCCN ????

Blank:2003:PPB

[BKMY03] Douglas Blank, Deepak Kumar, Lisa Meeden, and Holly Yanco. Pyro: a Python-based versatile programming environment for teaching robotics. *ACM Journal on Educational Resources in Computing (JERIC)*, 3(4):1–15, December 2003. CODEN ???? ISSN 1531-4278.

Blank:2004:PPB

[BKMY04] Douglas Blank, Deepak Kumar, Lisa Meeden, and Holly Yanco. Pyro: a python-based versatile programming environment for teaching robotics. *ACM Journal on Educational Resources in Computing (JERIC)*, 4(3):1–15, September 2004. CODEN ???? ISSN 1531-4278.

Beazley:1997:EMP

[BL97a] D. M. Beazley and P. S. Lomdahl. Extensible message passing application development and debugging with Python. In IEEE [IEE97a], pages 650–655. ISBN 0-8186-7793-7. LCCN QA76.58 .I56 1997. IEEE catalog number 97TB100107. IEEE Computer Society Press order number PR07792.

Beazley:1997:BFL

[BL97b] David M. Beazley and Peter S. Lomdahl. Building flexible large-scale scientific computing applications with scripting languages. In Heath et al. [HTA+97], page ???? CODEN PSSCFK. ISBN 0-89871-395-1. LCCN ???? CD-ROM for Windows, Macintosh and UNIX; no paper form published.

Blaess:2002:LSS

[Bla02] Christophe Blaess. *Langages de scripts sous Linux: Shell Bash, Sed, Awk, Perl, Tcl, Tk, Python, Ruby*. Eyrolles, Paris, France, 2002. ISBN 2-212-11028-6. xx + 733 pp. LCCN QA76.7 B4 2002.

Blaess:2004:SSL

[Bla04] Christophe Blaess. *Scripts sous Linux: Shell Bash, Sed, Awk, Perl, TCL, Tk, Python, Ruby*. Eyrolles, Paris, France, second edition, 2004. ISBN 2-212-11405-2. xxi + 761 pp. LCCN QA76.76O63; QA76.7.

Boschetti:2015:PDS

[BM15] Alberto Boschetti and Luca Massaron. *Python data science essentials: become an efficient data science practitioner by thoroughly understanding the key concepts of Python*. Community experience distilled. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78528-789-3, 1-78528-042-2. 258 pp. LCCN QA76.73.P98. URL `http://proquest.safaribooksonline.com/?fpi=9781785280429`.

Blank:2003:PRE

[BMK03] Douglas Blank, Lisa Meeden, and Deepak Kumar. Python robotics: an environment for exploring robotics beyond LEGOs. *SIGCSE Bulletin (ACM*

Special Interest Group on Computer Science Education), 35(1): 317–321, January 2003. CODEN SIGSD3. ISSN 0097-8418.

Borcherds:2007:PLC

[Bor07] P. H. Borcherds. Python: a language for computational physics. *Computer Physics Communications*, 177(1–2): 199–201, July 2007. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0010465507000732`.

Bowles:2015:MLP

[Bow15] Michael Bowles. *Machine learning in Python: essential techniques for predictive analysis*. Wiley, New York, NY, USA, 2015. ISBN 1-118-96174-9 (paperback), 1-119-18360-X (e-book), 1-118-96176-5 (e-book), 1-118-96175-7 (e-book). xxix + 326 pp. LCCN Q325.5.

Braun:2013:DAN

[Bra13] Moritz Braun. Different approaches to the numerical solution of the 3D Poisson equation implemented in Python. *Computing*, 95(1s):49–60, May 2013. CODEN CMPTA2. ISSN 0010-485X (print), 1436-5057 (electronic). URL `http://link.springer.com/article/10.1007/s00607-013-0300-x`.

Brinkmann:2002:GGG

[Bri02] Peter Brinkmann. Gumbie: a GUI generator for Jython. *Dr. Dobb's Journal of Software Tools*, 27(4):46–50, April 2002. CODEN DDJOEB. ISSN 1044-789X. URL `http://www.ddj.com/ftp/2002/2002_04/gumbie.txt`; `http://www.ddj.com/ftp/2002/2002_04/gumbie.zip`.

Briggs:2006:IER

[Bri06] Keith Briggs. Implementing exact real arithmetic in python, C++ and C. *Theoretical Computer Science*, 351(1):74–81, February 14, 2006. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic).

Briot:2012:GLAa

[Bri12a] Emmanuel Briot. Gem #105: Lady Ada kisses Python — part 1. *ACM SIGADA Ada Letters*, 32(2):45–46, August 2012. CODEN AALEE5. ISSN 1094-3641 (print), 1557-9476 (electronic).

Briot:2012:GLAb

[Bri12b] Emmanuel Briot. Gem #106: Lady Ada kisses Python — part 2. *ACM SIGADA Ada Letters*, 32(2):47–49, August 2012. CODEN AALEE5. ISSN 1094-3641 (print), 1557-9476 (electronic).

Blundell:2010:RTR

[BRM10] Colin Blundell, Arun Raghavan, and Milo M. K. Martin. RETCON: transactional repair without replay. *ACM SIGARCH Computer Architecture News*, 38 (3):258–269, June 2010. CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

Brown:2000:PAA

[Bro00] Martin C. Brown. *Python annotated archives*. Osborne/McGraw-Hill, Berkeley, CA, USA, 2000. ISBN 0-07-212104-1. xxii + 722 pp. LCCN QA76.73.P98 B76 2000. Includes CD-ROM.

Browning:2006:DLP

[Bro06] James Burton Browning. *Design, logic, and programming with Python: a hands-on approach*. iUniverse, New York, NY, USA, 2006. ISBN 0-595-40810-9. xii + 214 pp. LCCN ????

Brune:2009:PUR

[Bru09] Corey Brune. Python: An untapped resource in system administration. *;login: the USENIX Association newsletter*, 34(1):??, February 2009. CODEN LOGNEM. ISSN 1044-6397. URL `https://www.usenix.org/publications/login/february-2009-volume-34-number-1/python-untapped-resource-system-administration`.

Bauer:2016:PEM

[BSG+16] Martin Bauer, Florian Schornbaum, Christian Godenschwager, Matthias Markl, Daniela Anderl, Harald Köstler, and Ulrich Rüde. A Python extension for the massively parallel multiphysics simulation framework waLBerla. *International Journal of Parallel, Emergent and Distributed Systems: IJPEDS*, 31(6):529–542, 2016. CODEN ???? ISSN 1744-5760 (print), 1744-5779 (electronic).

Bruaset:2006:NSP

[BT06] Are Magnus Bruaset and Aslak Tveito, editors. *Numerical Solution of Partial Differential Equations on Parallel Computers*, volume 51 of *Lecture Notes in Computational Science and Engineering*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 2006. CODEN LNCSA6. ISBN 3-540-29076-1 (print), 3-540-31619-1 (e-book). ISSN 1439-7358. xii + 482 pp. LCCN QA377 .N87 2006. URL `http://link.springer.com/book/10.1007/3-540-31619-1`.

Belson:2014:AMP

[BTR14] Brandt A. Belson, Jonathan H. Tu, and Clarence W. Rowley. Algorithm 945: `modred` — a parallelized model reduction library. *ACM Transactions on Mathematical Software*, 40(4): 30:1–30:??, June 2014. CODEN ACMSCU. ISSN 0098-3500 (print), 1557-7295 (electronic).

Bucquet:2014:AIP

[Buc14] Samuel Bucquet. Accessing the IO ports of the Beaglebone Black with Python. *Linux journal*, 2014(246):3:1–3:??, October 2014. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

Buchanan:2015:PWP

[Buc15] Cameron Buchanan. *Python web penetration testing cookbook: over 60 indispensable Python recipes to ensure you always have the right code on hand for web application testing*. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78439-990-6, 1-78439-293-6. 224 (est.) pp. LCCN QA76.73.P98. URL `http://proquest.safaribooksonline.com/?fpi=9781784392932`.

Bienstman:2007:PNR

[BVB+07] Peter Bienstman, Lieven Vanholme, Wim Bogaerts, Pieter Dumon, and Peter Vandersteegen. Python in nanophotonics research. *Computing in Science and Engineering*, 9(3): 46–47, May/June 2007. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

Bradbury:2014:LPR

[BW14] Alex Bradbury and R. (Russel) Winder. *Learning Python with Raspberry Pi*. Wiley, New York, NY, USA, 2014. ISBN 1-118-71705-8 (paperback), 1-118-71702-3 (e-book), 1-118-71703-1 (e-book), 1-306-47299-7 (e-book). xvi + 270 pp. LCCN QA76.76.D47 .B73 2014.

Cannon:2014:PPB

[Can14] Jason Cannon. *Python programming for beginners: an introduction to the Python computer language and computer programming*. ????, ????, 2014. ISBN 1-5010-0086-1. 152 pp. LCCN QA76.73.P98 C366 2014.

Crespo:1996:WBB

[CB96] Arturo Crespo and Eric A. Bier. WebWriter: a browser-based editor for constructing Web applications. *Computer Networks and ISDN Systems*, 28(7–11): 1291–1306, May 1, 1996. CODEN CNISE9. ISSN 0169-7552 (print), 1879-2324 (electronic). URL `http://www.elsevier.com/cgi-bin/cas/tree/store/comnet/cas_sub/browse/browse.cgi?year=1996&volume=28&issue=7-11&aid=1616`.

Cooper:2014:BES

[CBB14] Christopher D. Cooper, Jaydeep P. Bardhan, and L. A. Barba. A biomolecular electrostatics solver using Python, GPUs and boundary elements that can handle solvent-filled cavities and Stern layers. *Computer Physics Communications*, 185(3):720–729, March 2014. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0010465513003731`.

Castanos:2012:BPE

[CEI+12] Jose Castanos, David Edelsohn, Kazuaki Ishizaki, Priya Nagpurkar, Toshio Nakatani, Takeshi Ogasawara, and Peng Wu. On the benefits and pitfalls of extending a statically typed language JIT com-

piler for dynamic scripting languages. *ACM SIGPLAN Notices*, 47(10):195–212, October 2012. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Chang:2014:CPP

[CFSK14] Yuan-Pin Chang, Frank Filsinger, Boris G. Sartakov, and Jochen Küpper. CMIstark: Python package for the stark-effect calculation and symmetry classification of linear, symmetric and asymmetric top wavefunctions in dc electric fields. *Computer Physics Communications*, 185 (1):339–349, January 2014. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0010465513003019`.

Chilenski:2017:EME

[CFW17] M. A. Chilenski, I. C. Faust, and J. R. Walk. eqtools: Modular, extensible, open-source, cross-machine Python tools for working with magnetic equilibria. *Computer Physics Communications*, 210(??):155–162, January 2017. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S001046551630282X`.

Catanzaro:2011:CCE

[CGK11] Bryan Catanzaro, Michael Garland, and Kurt Keutzer. Copperhead: compiling an embedded data parallel language. *ACM SIGPLAN Notices*, 46 (8):47–56, August 2011. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic). PPoPP '11 Conference proceedings.

Chapman:2001:CUI

[Cha01] Mitch Chapman. Create user interfaces with Glade. *Linux journal*, 87:88, 90–92, 94, July 2001. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic). URL `http://noframes.linuxjournal.com/lj-issues/issue87/4702.html`. See erratum [Ano01a].

Chan:2015:LPO

[Cha15] Jamie Chan. *Learn Python in one day and learn it well: Python for beginners with hands-on project: the only book you need to start coding in Python immediately*. CreateSpace Independent Publishing, North Charleston, SC, USA, 2015. ISBN 1-5060-9438-4 (paperback). 123 pp. LCCN QA76.73.P98 C453 2015.

Christopher:2002:PPP

[Chr02] Thomas W. Christopher. *Python programming patterns*. P T R Prentice-Hall, Englewood Cliffs, NJ 07632, USA, 2002. ISBN 0-13-040956-1. xix + 538 pp. LCCN QA76.73.P98 C47 2002. URL `http://www.phptr.com/ptrbooks/ptr_0130409561.html`.

Chun:2001:CPP

[Chu01] Wesley Chun. *Core Python programming*. Prentice Hall PTR core series. P T R Prentice-Hall, Englewood Cliffs, NJ 07632, USA, 2001. ISBN 0-13-026036-3. xxix + 771 pp. LCCN QA76.73.P98 C48 2001. URL `http://www.phptr.com/ptrbooks/ptr_0130260363.html`.

Chun:2002:KPR

[Chu02a] Wesley J. Chun. Keeping up with Python: the 2.2 release. *Linux journal*, 99:??, July 2002. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic). URL `http://www.linuxjournal.com/article/5597`.

Chun:2002:PQG

[Chu02b] Wesley J. Chun. Python 2.2 Q&A with Guido van Rossum, creator of Python. *Linux journal*, 98:??, June 2002. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic). URL `http://www.linuxjournal.com/article.php?sid=5948`.

Chun:2007:ACPb

[Chu07a] Wesley J. Chun. *Au coeur de Python: Notions avancées. (French) [Core Python: Advanced ideas]*. CampusPress, Paris, France, 2007. ISBN 2-7440-2195-4. xxii + 337 pp. LCCN ????

Chun:2007:ACPa

[Chu07b] Wesley J. Chun. *Au coeur de Python: Notions fondamentales. (French) [Core Python: Fundamental ideas]*. CampusPress, Paris, France, 2007. ISBN 2-7440-2148-2. xxviii + 645 pp. LCCN ????

Chun:2007:CPP

[Chu07c] Wesley J. Chun. *Core Python programming*. Prentice Hall core series. Prentice-Hall, Englewood Cliffs, NJ 07632, USA, second edition, 2007. ISBN 0-13-226993-7 (paperback). xxxvii + 1077 pp. LCCN QA76.73.P98 C48 2007. URL `http://www.loc.gov/catdir/toc/ecip0615/2006019559.html`.

Chun:2008:PF

[Chu08] Wesley Chun. *Python fundamentals*. Prentice-Hall, Englewood Cliffs, NJ 07632, USA, 2008. ISBN 0-13-714341-9 (paperback). vi + 94 pp. LCCN ????

Cabrera:1996:PFI

[CI96] L.-F. Cabrera and N. Islam, editors. *Proceedings of the Fifth International Workshop on Object-Orientation in Operating Systems: October 27–28, 1996, Seattle, Washington*. IEEE Computer Society Press, 1109 Spring Street, Suite 300, Silver Spring, MD 20910, USA, 1996. ISBN 0-8186-7693-0. LCCN QA 76.76 O63 I59 1996. IEEE catalog number 96TB100089.

Chapman:2000:EPT

[CK00] Mitch Chapman and Brian Kelley. Examining the PyGtk toolkit. *Dr. Dobb's Journal of Software Tools*, 25(4):82, 84, 86, 88, April 2000. CODEN DDJOEB. ISSN 1044-789X. URL `http://www.ddj.com/ftp/2000/2000_04/pygtk.txt`.

Chun:2013:GPP

[CKK+13] Kyungwon Chun, Huioon Kim, Hyounggyu Kim, Kil Su Jung, and Youngjoo Chung. GMES: a Python package for solving Maxwell's equations using the FDTD method. *Computer Physics Communications*, 184 (4):1272–1279, April 2013. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0010465512004079`.

Cai:2006:PPS

[CL06] Xing Cai and Hans Petter Langtangen. Parallelizing PDE solvers using the Python programming language. In Bruaset and Tveito [BT06], pages 295–325. CODEN LNCSA6. ISBN 3-540-29076-1 (print), 3-540-31619-1 (e-book). ISSN 1439-7358. LCCN QA377 .N87 2006. URL `http://link.springer.com/content/pdf/10.1007/3-540-31619-1_9`.

Cai:2005:PPP

[CLM05] Xing Cai, Hans Petter Langtangen, and Halvard Moe. On the performance of the Python programming language for serial and parallel scientific computations. *Scientific Programming*, 13(1):31–56, ???? 2005. CODEN SCIPEV. ISSN 1058-9244 (print), 1875-919X (electronic).

Cooper:2007:ERH

[CM07] Jonathan Cooper and Steve McKeever. Experience report: a Haskell interpreter for cellML. *ACM SIGPLAN Notices*, 42(9): 247–250, September 2007. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Ceriotti:2014:PPI

[CMM14] Michele Ceriotti, Joshua More, and David E. Manolopoulos. i-PI: a Python interface for ab initio path integral molecular dynamics simulations. *Computer Physics Communications*, 185(3):1019–1026, March 2014. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S001046551300372X`.

Conway:1995:PGD

[Con95] Matthew J. Conway. Python: a GUI development tool. *Interactions (New York, N.Y.)*, 2 (2):23–28, April 1995. CODEN IERAE3. ISSN 1072-5520.

Copeland:2008:ES

[Cop08] Rick Copeland. *Essential SQLAlchemy*. O'Reilly Media, Inc., 1005 Gravenstein Highway

North, Sebastopol, CA 95472, USA, 2008. ISBN 0-596-51614-2. xi + 215 pp. LCCN QA76.9.W43 C67 2008.

Cottom:2003:USB

[Cot03] Teresa L. Cottom. Using SWIG to bind C++ to Python. *Computing in Science and Engineering*, 5(2):88–96, c3, March/April 2003. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic). URL `http://csdl.computer.org/comp/mags/cs/2003/02/c2088abs.htm`; `http://csdl.computer.org/dl/mags/cs/2003/02/c2088.htm`; `http://csdl.computer.org/dl/mags/cs/2003/02/c2088.pdf`.

Cox:2014:RPC

[Cox14] Tim Cox. *Raspberry Pi cookbook for Python programmers: over 50 easy-to-comprehend tailor-made recipes to get the most out of the Raspberry Pi and unleash its huge potential using Python*. Packt Publishing, Birmingham, UK, 2014. ISBN 1-84969-662-4. iii + 388 pp. LCCN QA76.8.R19 .C6.

Conti:2012:TMP

[CR12] Juan José Conti and Alejandro Russo. A Taint mode for Python via a library. *Lecture Notes in Computer Science*, 7127:210–222, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-27937-9_15/`.

Coelho:2015:BML

[CR15] Luis Pedro Coelho and Willi Richert. *Building machine learning systems with Python: get more from your data through creating practical machine learning systems with Python*. Community experience distilled. Packt Publishing, Birmingham, UK, second edition, 2015. ISBN 1-78439-277-4, 1-78439-288-X (e-book). xi + 301 pp. LCCN QA76.73.P98 C64 2015.

Chudoba:2013:UPS

[CSRV13] R. Chudoba, V. Sadílek, R. Rypl, and M. Vorechovský. Using Python for scientific computing: Efficient and flexible evaluation of the statistical characteristics of functions with multivariate random inputs. *Computer Physics Communications*, 184(2):414–427, February 2013. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0010465512003086`.

Cuesta:2013:PDA

[Cue13] Hector Cuesta. *Practical data analysis*. Packt Publishing, Birmingham, UK, 2013. ISBN 1-78328-099-9 (print), 1-68015-361-7 (e-book), 1-78328-100-6. 360 pp. LCCN QA76.9.S88 D683 2013eb. URL `http://proquest.safaribooksonline.com/9781783280995`.

Chandra:2015:PRE

[CV15] Rakesh Vidya Chandra and Bala Subrahmanyam Varanasi. *Python requests essentials: learn how to integrate your applications seamlessly with web services using Python requests*. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78439-541-2, 1-78439-231-6 (e-book). 134 pp. LCCN QA76.73.P98. URL `http://proquest.safaribooksonline.com/9781784395414`.

Desai:2015:PPA

[DAJ+15] Pratik Desai, Saleem Ahmed, James Jones, Jasmine Nadar, and Vikrant Phadke, editors. *Python programming for Arduino: develop practical Internet of Things prototypes and applications with Arduino and Python*. Community Experience Distilled. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78328-593-1 (paperback), 1-78328-594-X (e-book). 400 (est) pp. LCCN QA76.73.P98.

Dalke:2001:MCE

[Dal01] Andrew Dalke. Making C extensions more Pythonic. *Dr. Dobb's Journal of Software Tools*, 26 (1):68, 70, 72, 74, 76, January 2001. CODEN DDJOEB. ISSN 1044-789X. URL `http://www.ddj.com/ftp/2001/2001_01/cpython.txt`; `http://www.ddj.com/ftp/2001/2001_01/cpython.zip`.

Daly:2007:NGW

[Dal07] Liza Daly. *Next-generation web frameworks in Python*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, 2007. ISBN 0-596-51371-2. LCCN QA76.73.P98 L59 2007eb; QA76.73.P98. URL `http://www.oreilly.com/catalog/9780596513719`.

Darcy:2012:EGP

[Dar12] Jeff Darcy. Extending GlusterFS with Python. *Linux journal*, 2012(223):2:1–2:??, November 2012. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

Dawson:2003:PPA

[Daw03] Michael Dawson. *Python programming for the absolute beginner*. Premier Press Inc., Boston, MA, USA, 2003. ISBN 1-59200-073-8 (paperback), 1-59200-073-8, 1-59200-269-2 (e-book). xviii + 452 pp. LCCN QA76.73.P98 D387 2003. URL `http://proquest.safaribooksonline.com/1592000738`.

Dawson:2006:PPA

[Daw06] Mike Dawson. *Python programming for the absolute beginner*. Thomson Course Technology, Boston, MA, USA, second edition, 2006. ISBN 1-59863-112-8. xxiv + 447 pp. LCCN QA76.73.P98 D39 2006.

Dawson:2010:PPA

[Daw10] Mike Dawson. *Python programming for the absolute beginner*. For the absolute beginner. Course Technology Cengage Learning, Boston, MA, USA, third edition, 2010. ISBN 1-4354-5500-2. xxiii + 455 pp. LCCN QA76.73.P98 D39 2010. URL `http://catdir.loc.gov/catdir/enhancements/fy1105/2009933304-b.html`; `http://catdir.loc.gov/catdir/enhancements/fy1105/2009933304-d.html`; `http://catdir.loc.gov/catdir/enhancements/fy1105/2009933304-t.html`; `http://www.courseptr.com/downloads`.

Dayley:2007:PTC

[Day07a] Brad Dayley. *Python in tasca: codice e commandi in tasca*. Pearson Education, Milano, Italy, 2007. ISBN 88-7192-405-3. vi + 277 pp. LCCN ????

Dayley:2007:PPE

[Day07b] Brad Dayley. *Python phrasebook: essential code and commands*. Developer's library. SAMS Publishing, Indianapolis, IN, USA, 2007. ISBN 0-672-32910-7 (paperback). v + 275 pp. LCCN QA76.73.P98 D395 2007. URL `http://www.loc.gov/catdir/toc/fy0706/2006922308.html`.

Day:2014:PP

[Day14] Charles Day. Python power. *Computing in Science and Engineering*, 16(1):88, January/February 2014. CODEN CSENFA. ISSN 1521-9615.

Deitel:2002:PHP

[DDLW02] Harvey M. Deitel, Paul Deitel, Jonathan Liperi, and Ben Wiedermann. *Python How To Program*. P T R Prentice-Hall, Englewood Cliffs, NJ 07632, USA, 2002. ISBN 0-13-092361-3 (paperback), 0-13-092557-8 (CD-ROM). lviii + 1292 + 6 pp. LCCN QA76.73.P98 P98 2002. US$74.00. URL `http://www.phptr.com/ptrbooks/ptr_0130923613.html`.

Dolgopolovas:2014:PSC

[DDMS14] Vladimiras Dolgopolovas, Valentina Dagiene, Saulius Minkevicius, and Leonidas Sakalauskas. Python for scientific computing education: Modeling of queueing systems. *Scientific Programming*, 22(1):37–51, ???? 2014. CODEN SCIPEV. ISSN 1058-9244 (print), 1875-919X (electronic).

Decaluwe:2004:MPB

[Dec04] Jan Decaluwe. MyHDL: a Python-based hardware description language. *Linux journal*, 2004(127):??, November 2004. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

Dutt:2000:GBG

[DF00] Christoph Dutt and Joachim Freiburg. *GiMP: Bilder gestalten, Fotos retuschieren; [Grundlagen der professionellen Bildbearbeitung, der Umgang mit*

Fotos, Grafiken und Text, Bilder für das Internet richtig vorbereiten; auf der CD: GIMP für Windows, SCO Unix, Debian GNU Linux, Solaris, OS/2 und BSD, Quelltext aller GIMP- und GTK-Versionen, über 300 Plug-ins in C, Perl, tcl, Python und Scheme, XFree86/23.3.6, GIMP User Manual als PDF-Dateien]. C und L, Böblingen, Germany, 2000. ISBN 3-932311-64-7. 522 + 98 pp. LCCN ???? Includes CD-ROM.

Drummond:2009:PPB

[DGMP09] L. Anthony Drummond, Vicente Galiano, Violeta Migallón, and Jose Penadés. PyACTS: a Python based interface to ACTS tools and parallel scientific applications. *International Journal of Parallel Programming*, 37 (1):58–77, February 2009. CODEN IJPPE5. ISSN 0885-7458 (print), 1573-7640 (electronic). URL `http://www.springerlink.com/openurl.asp?genre=article&issn=0885-7458&volume=37&issue=1&spage=58`.

Dubois:1996:NP

[DHH96] P. F. Dubois, K. Hinsen, and J. Hugunin. Numerical Python. *Computers in Physics*, 10(3): 262–267, May/June 1996. CODEN CPHYE2. ISSN 0894-1866 (print), 1558-4208 (electronic).

DiPierro:2013:AAP

[Di 13] Massimo Di Pierro. *Annotated algorithms in Python: with applications in physics, biology, and finance*. Experts4Solutions, Lexington, KY, USA, 2013. ISBN 0-9911604-0-1 (paperback). 388 pp. LCCN QA76.73.P98 D57 2013.

DiPierro:2014:PPP

[Di 14] Massimo Di Pierro. Portable parallel programs with Python and OpenCL. *Computing in Science and Engineering*, 16(1): 34–40, January/February 2014. CODEN CSENFA. ISSN 1521-9615.

Ding:2015:PPF

[DMC+15] Hong Ding, Bharat Medasani, Wei Chen, Kristin A. Persson, Maciej Haranczyk, and Mark Asta. PyDII: a Python framework for computing equilibrium intrinsic point defect concentrations and extrinsic solute site preferences in intermetallic compounds. *Computer Physics Communications*, 193 (??):118–123, August 2015. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0010465515001149`.

Doglio:2015:MPH

[Dog15] Fernando Doglio. *Mastering Python High Performance*. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78398-930-0, 1-78398-931-9 (e-book). 260 pp. LCCN T55.4-60.8.

Donaldson:2009:P

[Don09] Toby Donaldson. *Python*. Visual quickstart guide. Peachpit

Press, Inc., 1085 Keith Avenue, Berkeley, CA 94708, USA, second edition, 2009. ISBN 0-321-58544-5 (paperback). vi + 185 pp. LCCN X09.F00872.

Donat:2014:LRP

[Don14] Wolfram Donat. *Learn Raspberry Pi programming with Python*. TECHNOLOGY IN ACTION series. Apress, Berkeley, CA, USA, 2014. ISBN 1-4302-6424-1 (paperback0). xxi + 231 pp. LCCN QA76.73.P98 .D663 2014.

Doring:2008:ESL

[Dör08] Holger Döring. Evaluating scripting languages: How Python can help political methodologists. *The Political Methodologist*, 16(1):8–12, 2008.

dosSantosLessa:2001:PDH

[dos01] André dos Santos Lessa. *Python Developer's Handbook*. SAMS Publishing, Indianapolis, IN, USA, 2001. ISBN 0-672-31994-2. xxv + 929 pp. LCCN QA76.73.P98 L47 2001. US$44.99.

Dougherty:1998:PGV

[Dou98] Dale Dougherty. Python's Guido van Rossum. *Web Review*, ??(??):??, April 10, 1998. URL `http://webreview.com/wr/pub/Dougherty_Dale`.

Downey:2009:PSD

[Dow09] Allen Downey. *Python for software design: how to think like a computer scientist*. Cambridge University Press, Cambridge, UK, 2009. ISBN 0-521-89811-0, 0-521-72596-8. ???? pp. LCCN QA76.73.P98 D693 2009.

Downey:2015:TPH

[Dow15] Allen B. Downey. *Think Python: How to Think Like a Computer Scientist*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, 2015. ISBN 1-4919-3936-2. ???? pp. LCCN ????

Dalcin:2005:MP

[DPS05] Lisandro Dalcín, Rodrigo Paz, and Mario Storti. MPI for Python. *Journal of Parallel and Distributed Computing*, 65 (9):1108–1115, September 2005. CODEN JPDCER. ISSN 0743-7315 (print), 1096-0848 (electronic).

Dalcin:2008:MPP

[DPSD08] Lisandro Dalcín, Rodrigo Paz, Mario Storti, and Jorge D'Elía. MPI for Python: Performance improvements and MPI-2 extensions. *Journal of Parallel and Distributed Computing*, 68 (5):655–662, May 2008. CODEN JPDCER. ISSN 0743-7315 (print), 1096-0848 (electronic).

Dubois:2005:NP

[Dub05] Paul F. Dubois. A nest of Pythons. *Computing in Sci-*

ence and Engineering, 7(6):81–84, November/December 2005. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

Dubois:2007:GEI

[Dub07] Paul F. Dubois. Guest Editor's introduction: Python: Batteries included. *Computing in Science and Engineering*, 9(3): 7–9, May/June 2007. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic). URL `http://csdl.computer.org/comp/mags/cs/2007/03/c3007.pdf`.

Duffy:2015:LPT

[Duf15] Christopher Duffy. *Learning Penetration Testing with Python*. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78528-232-8, 1-78528-955-1 (e-book). 314 pp. LCCN T55.4-60.8.

Dubois:1996:EPO

[DY96a] P. F. Dubois and T.-Y. Yang. Extending Python [object-oriented language]. *Computers in Physics*, 10(4):359–365, July/August 1996. CODEN CPHYE2. ISSN 0894-1866 (print), 1558-4208 (electronic).

Dubois:1996:SPE

[DY96b] Paul F. Dubois and T.-Y. Yang. Scientific programming: Extending Python. *Computers in Physics*, 10(4):359–??, ???? 1996. CODEN CPHYE2. ISSN 0894-1866 (print), 1558-4208 (electronic).

Dubois:1999:SPE

[DY99] Paul F. Dubois and T.-Y. Yang. Scientific programming: Extending Python with Fortran. *Computing in Science and Engineering*, 1 (5):66–73, September/October 1999. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic). URL `http://dlib.computer.org/cs/books/cs1999/pdf/c5066.pdf`; `http://www.computer.org/cse/cs1999/c5066abs.htm`.

Ernesti:2008:PUH

[EK08] Johannes Ernesti and Peter Kaiser. *Python: das umfassende Handbuch; [aktuell zu Python 2.5; Einführung, Praxis, Referenz; Sprachgrundlagen, Objektorientierung, Modularisierung; Web-Programmierung mit Django, GUIs, Netzwerkkommunikation u.v.m.]* . Galileo Press, Bonn, Germany, 2008. ISBN 3-8362-1110-6. ???? pp. LCCN ????

Ernesti:2009:PUH

[EK09] Johannes Ernesti and Peter Kaiser. *Python 3: Das umfassende Handbuch*. Galileo Computing. Galileo Press GmbH, Bonn, Germany, second edition, 2009. ISBN 3-8362-1412-1. 870 (est.) pp. LCCN ???? EUR 39.90.

Enbody:2009:PCP

[EPM09] Richard J. Enbody, William F. Punch, and Mark McCullen. Python CS1 as preparation for

C++ CS2. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 41(1):116–120, March 2009. CODEN SIGSD3. ISSN 0097-8418. Proceedings of SIGCSE '09.

Ernst:1999:TMP

[Ern99] T. Ernst. TRAPping Modelica with Python. *Lecture Notes in Computer Science*, 1575:288–291, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ege:1998:PTO

[ESM98] R. Ege, M. Singh, and B. Meyer, editors. *Proceedings. Technology of Object-Oriented Languages and Systems, TOOLS-23*. IEEE Computer Society Press, 1109 Spring Street, Suite 300, Silver Spring, MD 20910, USA, 1998. ISBN 0-8186-8383-X. LCCN ???? IEEE catalog number 97TB100221.

Esterbrook:2001:UMI

[Est01] Chuck Esterbrook. Using mixins with Python. *Linux journal*, 84:114, 116, 118, 120–121, April 2001. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic). URL `http://noframes.linuxjournal.com/lj-issues/issue84/4540.html`.

EurOpen:1991:EUD

[Eur91] EurOpen, editor. *EurOpen. UNIX Distributed Open Systems in Perspective. Proceedings of the Spring 1991 EurOpen Conference, Tromsø, Norway, May 20–24, 1991*. EurOpen, Buntingford, Herts, UK, 1991. ISBN 1-873611-00-5. LCCN ????

Ettienne:2012:IMA

[EVV12] Mikko Berggren Ettienne, Steen Vester, and Jørgen Villadsen. Implementing a multi-agent system in Python with an auction-based agreement approach. *Lecture Notes in Computer Science*, 7217:185–196, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-31915-0_11/`.

Farrell:2002:MP

[Far02] Doug Farrell. Mediator/Python. *Linux journal*, 98:??, June 2002. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic). URL `http://www.linuxjournal.com/article.php?sid=5858`.

Forcier:2009:PWD

[FBC09] Jeff Forcier, Paul Bissex, and Wesley Chun. *Python Web development with Django*. Developer's library. Addison-Wesley, Reading, MA, USA, 2009. ISBN 0-13-235613-9 (paperback). 377 pp. LCCN TK5105.8885.D54 F68 2009.

Feeley:2016:CML

[Fee16] Marc Feeley. Compiling for multi-language task migration. *ACM SIGPLAN Notices*, 51(2):

63–77, February 2016. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Fehily:2002:VQG

[Feh02] Chris Fehily. *Visual quick-start guide: Python*. Peachpit Press, Inc., 1085 Keith Avenue, Berkeley, CA 94708, USA, 2002. ISBN ???? xxvi + 410 pp. LCCN A76.73.P98 F44 2002. URL `http://proquest.safaribooksonline.com/0201748843`.

Furr:2009:PGS

[FhDAF09] Michael Furr, Jong hoon (David) An, and Jeffrey S. Foster. Profile-guided static typing for dynamic scripting languages. *ACM SIGPLAN Notices*, 44(10):283–300, October 2009. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Fettig:2006:TNP

[FL06] Abe Fettig and Glyph Lefkowitz. *Twisted network programming essentials*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, 2006. ISBN 0-596-10032-9. xix + 213 pp. LCCN QA76.73.P98 F48 2005eb; QA76.73.P98. URL `http://www.oreilly.com/catalog/9780596100322`.

Flaig:2008:BPP

[Fla08] Ruediger-Marcus Flaig. *Bioinformatics programming in Python: a practical course for beginners*. Wiley-VCH, Weinheim, Germany, 2008. ISBN 3-527-32094-6 (paperback). ix + 418 pp. LCCN ????

Fulton:1996:IPP

[Ful96] Jim Fulton. Introduction to the Python programming language. In USENIX [USE96], page ?? ISBN 1-880446-77-4. LCCN QA76.64 .U85 1996. URL `http://www.usenix.org/publications/library/proceedings/coots96/`.

Gaddis:2009:SP

[Gad09] Tony Gaddis. *Starting out with Python*. Pearson Addison Wesley, Boston, MA, USA, 2009. ISBN 0-321-53711-4. xv + 482 pp. LCCN QA76.73.P98 G34 2009. URL `http://www.loc.gov/catdir/toc/fy0804/2008001684.html`.

Galanakis:2014:PMP

[Gal14] Robert Galanakis. *Practical Maya programming with Python: unleash the power of Python in Maya and unlock your creativity*. Community experience distilled. Packt Publishing, Birmingham, UK, 2014. ISBN 1-84969-472-9 (paperback), 1-84969-473-7 (e-book), 1-322-00849-3 (e-book). viii + 334 pp. LCCN T385 .G34 2014. URL `http://proquest.`

safaribooksonline.com/?fpi=9781849694728.

Garberson:1998:LEP

[Gar98] John D. Garberson. Letter to the Editor: Programming Python. *;login: the USENIX Association newsletter*, 23(4):??, June 1998. CODEN LOGNEM. ISSN 1044-6397.

Gardner:2009:DGP

[Gar09] James Gardner. *The definitive guide to Pylons: [Pylons is a lightweight web framework emphasizing flexibility and rapid development using standard tools from the Python community; includes SQLAlchemy, JavaScript, and WSG!]*. The expert's voice in web development; Books for professionals by professionals. Apress, Berkeley, CA, USA, 2009. ISBN 1-59059-934-9 (paperback). xxv + 536 pp. LCCN ???? US$46,99.

Gonina:2014:SMC

[GFB+14] Ekaterina Gonina, Gerald Friedland, Eric Battenberg, Penporn Koanantakool, Michael Driscoll, Evangelos Georganas, and Kurt Keutzer. Scalable multimedia content analysis on parallel platforms using Python. *ACM Transactions on Multimedia Computing, Communications, and Applications*, 10(2): 18:1–18:??, February 2014. CODEN ???? ISSN 1551-6857 (print), 1551-6865 (electronic).

Goebel:2006:BPT

[GHT06] John A. Goebel, Adil Hasan, and Francesco Safai Tehran. *The book of Python: from the tip of the tongue to the end of the tale*. No Starch Press, San Francisco, CA, USA, 2006. ISBN 1-59327-103-4 (paperback). 1000 pp. LCCN QA76.73.P98. URL `http://www.loc.gov/catdir/toc/ecip064/2005034382.html`.

Goebel:2008:BPR

[GHT08] John A. Goebel, Adil Hasan, and Francesco Safai Tehrani. *The book of Python: a real-world reference*. No Starch Press, San Francisco, CA, USA, 2008. ISBN 1-59327-103-4. ???? pp. LCCN QA76.73.P98 G62 2008. URL `http://www.loc.gov/catdir/toc/ecip064/2005034382.html`.

Gift:2008:PUL

[GJ08] Noah Gift and Jeremy M. Jones. *Python for Unix and Linux system administration*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, 2008. ISBN 0-596-51582-0. xix + 433 pp. LCCN ????

Goldwasser:2007:INP

[GL07a] Michael H. Goldwasser and David Letscher. Introducing network programming into a CS1 course. *SIGCSE Bulletin*

(ACM Special Interest Group on Computer Science Education), 39(3):19–22, September 2007. CODEN SIGSD3. ISSN 0097-8418. Proceedings of the 12th Annual SIGCSE Conference on Innovation and Technology in Computer Science Education (ITiCSE'07).

Goldwasser:2007:TOO

[GL07b] Michael H. Goldwasser and David Letscher. Teaching object-oriented programming in Python. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 39(3):365–366, September 2007. CODEN SIGSD3. ISSN 0097-8418. Proceedings of the 12th Annual SIGCSE Conference on Innovation and Technology in Computer Science Education (ITiCSE'07).

Goldwasser:2008:OOP

[GL08a] Michael H. Goldwasser and David Letscher. *Object-oriented programming in Python*. Pearson Prentice Hall, Upper Saddle River, NJ, USA, 2008. ISBN 0-13-615031-4. xxii + 666 pp. LCCN QA76.73.P98.G65; QA76.73.P98.G65 2008.

Goldwasser:2008:PGP

[GL08b] Michael H. Goldwasser and David Letscher. A Python graphics package for the first day and beyond. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 40(3):326, September 2008. CODEN SIGSD3. ISSN 0097-8418. Proceedings of ITiCSE '08.

Goldwasser:2008:TOO

[GL08c] Michael H. Goldwasser and David Letscher. Teaching an object-oriented CS1 -: with Python. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 40(3):42–46, September 2008. CODEN SIGSD3. ISSN 0097-8418. Proceedings of ITiCSE '08.

Goldwasser:2009:GPF

[GL09] Michael H. Goldwasser and David Letscher. A graphics package for the first day and beyond. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 41(1): 206–210, March 2009. CODEN SIGSD3. ISSN 0097-8418. Proceedings of SIGCSE '09.

Gorbovitski:2010:AAO

[GLS+10] Michael Gorbovitski, Yanhong A. Liu, Scott D. Stoller, Tom Rothamel, and Tuncay K. Tekle. Alias analysis for optimization of dynamic languages. *ACM SIGPLAN Notices*, 45 (12):27–42, December 2010. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Gorelick:2014:HPP

[GO14] Micha Gorelick and Ian Ozsvald. *High performance Python*. O'Reilly & Associates, Inc.,

103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, 2014. ISBN 1-4493-6159-5 (paperback). xv + 351 pp. LCCN QA76.73.P98 G67 2014.

Govindaraj:2015:TDP

[Gov15] Siddharta Govindaraj. *Test-driven Python development*. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78398-792-8, 1-78398-793-6 (e-book). 264 pp. LCCN QA76.73.P98.

Grayson:2000:PTP

[Gra00] John E. Grayson. *Python and Tkinter Programming*. Manning Publications, Greenwich, CT, USA, 2000. ISBN 1-884777-81-3. xxiii + 658 pp. LCCN ???? US$49.95.

Greenfield:2007:RSP

[Gre07] Perry Greenfield. Reaching for the stars with Python. *Computing in Science and Engineering*, 9(3):38–40, May/June 2007. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

Gasiorek:2012:OPP

[GS12] Marcin Gaşiorek and Daniel Simson. One-peak posets with positive quadratic Tits form, their mesh translation quivers of roots, and programming in Maple and Python. *Linear Algebra and its Applications*, 436(7): 2240–2272, April 1, 2012. CODEN LAAPAW. ISSN 0024-3795 (print), 1873-1856 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0024379511007555`.

Gundecha:2014:LST

[Gun14] Unmesh Gundecha. *Learning Selenium testing tools with Python*. Packt Publishing, Birmingham, UK, 2014. ISBN 1-78398-350-7, 1-78398-351-5 (e-book), 1-322-56850-2 (e-book). 216 (est.) pp. LCCN QA76.73.P98.

Gupta:2015:BWA

[Gup15] Sumit Gupta. *Building web applications with Python and Neo4j: develop exciting and real-world Python-based web applications with Neo4j using frameworks such as Flask, Py2neo, and Django*. Community experience distilled. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78398-398-1 (print), 1-78398-399-X (e-book). 184 (est.) pp. LCCN QA76.76.A65. URL `http://proquest.safaribooksonline.com/?fpi=9781783983988`.

Gutschmidt:2004:GPP

[Gut04] Tom Gutschmidt. *Game programming with Python, Lua, and Ruby*. Premier Press, Boston, MA, USA, 2004. ISBN 1-59200-077-0, 1-59200-408-3 (e-book). xxvi + 437 pp. LCCN QA76.76.C672 G88

2004b. URL http://proquest.safaribooksonline.com/1592000770.

Guzdial:2003:MCC

[Guz03] Mark Guzdial. A media computation course for non-majors. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 35(3): 104–108, September 2003. CODEN SIGSD3. ISSN 0097-8418.

Guyer:2009:FPD

[GWW09] Jonathan E. Guyer, Daniel Wheeler, and James A. Warren. FiPy: Partial differential equations with Python. *Computing in Science and Engineering*, 11 (3):6–15, May/June 2009. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

Hardt:2000:PPZ

[HAE00] Dick Hardt, Gisle Aas, and Paul Everitt. Perl, Python and Zope. In USENIX [USE00], page ?? ISBN 1-880446-17-0. LCCN ???? URL http://www.usenix.org/publications/library/proceedings/als2000/aas.html.

Hajji:2008:PPE

[Haj08] Farid Hajji. *Das Python Praxisbuch — eBook: Der große Profi-Leitfaden für Programmierer*. Addison Wesley in Pearson Education Deutschland, München, Germany, 2008. ISBN 3-8273-6182-6. 1328 (est.) pp. LCCN ????

Hamilton:1998:PHM

[Ham98] Michael Hamilton. The Python HTMLgen module. *Linux journal*, 55:22, 24–26, November 1998. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic). URL ftp://ftp.ssc.com/pub/lj/listings/issue55/2986.tgz.

Harris:2007:GPL

[Har07] Andy Harris. *Game programming: the L Line: the express line to learning*. Wiley, New York, NY, USA, 2007. ISBN 0-470-06822-1 (paperback). xxv + 570 pp. LCCN QA76.76.C672. URL http://www.loc.gov/catdir/enhancements/fy0741/2006936755-b.html; http://www.loc.gov/catdir/enhancements/fy0741/2006936755-d.html; http://www.loc.gov/catdir/enhancements/fy0741/2006936755-t.html.

Harwani:2012:IPP

[Har12] B. M. Harwani. *Introduction to Python programming and developing GUI applications with PyQT*. Cengage Learning, Boston, MA, USA, 2012. ISBN 1-4354-6097-9, 1-4354-6098-7 (e-book). xv + 393 pp. LCCN QA76.73.P98 H37 2012aeb.

Harris:2015:CSP

[Har15] Naftali Harris. Code snippet: `LazySorted`: A lazily, partially sorted Python list. *Journal of Statistical Software*, 65 (CS-1):??, June 2015. CODEN JSSOBK. ISSN 1548-7660.

URL http://www.jstatsoft.org/v65/c01.

Huang:1995:CEM

[HCPF95] C. C. Huang, G. S. Couch, E. F. Pettersen, and T. E. Ferrin. Chimera: an extensible molecular modeling application constructed using standard components. In Hunter and Klein [HK95], pages 724–?? ISBN 981-02-2578-4. LCCN QH323.5.P33 1996. URL http://www.cgl.ucsf.edu/psb/psb96/.

Henderson:2008:AMC

[Hen08] Peter B. Henderson. Abstraction, model checking and software correctness. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 40(2): 23–24, June 2008. CODEN SIGSD3. ISSN 0097-8418. URL ftp://ftp.math.utah.edu/pub/mirrors/ftp.ira.uka.de/bibliography/Misc/DBLP/2008.bib.

Hetland:2002:PP

[Het02] Magnus Lie Hetland. *Practical Python*. Apress, Berkeley, CA, USA, 2002. ISBN 1-59059-006-6. xxi + 619 pp. LCCN QA76.73.P98 H47 2002.

Hetland:2005:BPN

[Het05] Magnus Lie Hetland. *Beginning Python: from novice to professional*. Apress, Berkeley, CA, USA, 2005. ISBN 1-59059-519-X. xxx + 604 pp. LCCN QA76.73.P98 H48 2005.

Hetland:2008:BPN

[Het08] Magnus Lie Hetland. *Beginning Python: from novice to professional*. Apress, Berkeley, CA, USA, second edition, 2008. ISBN 1-59059-982-9. xxx + 656 pp. LCCN A76.73.P98 H48 2008eb.

Hetland:2010:PAM

[Het10] Magnus Lie Hetland. *Python Algorithms: mastering basic algorithms in the Python Language*. Expert's voice in open source. Apress, Berkeley, CA, USA, 2010. ISBN 1-4302-3237-4. xvi + 316 pp. LCCN QA76.73.P98 H485 2010. URL http://www.loc.gov/catdir/enhancements/fy1502/2011287235-b.html; http://www.loc.gov/catdir/enhancements/fy1502/2011287235-d.html; http://www.loc.gov/catdir/toc/fy11pdf04/2011287235.html.

Hetland:2014:PAM

[Het14] Magnus Lie Hetland. *Python Algorithms: Mastering Basic Algorithms in the Python Language*. EBL-Schweitzer. Apress, Berkeley, CA, USA, second edition, 2014. ISBN 1-4842-0055-1. 303 (est.) pp. LCCN QA75.5-76.95.

Harrison:2006:MSP

[HF06] Guy Harrison and Steven Feuerstein. *MySQL stored procedure programming: building high-performance web applications*

with PHP, Perl, Python, Java & .NET. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, 2006. ISBN 0-596-10089-2. xxiii + 609 pp. LCCN QA76.73.S67 H377 2006eb; QA76.73.S67. URL `http://www.oreilly.com/catalog/9780596100896`.

Hammer:1997:ESI

[HGMC+97] J. Hammer, H. Garcia-Molina, J. Cho, R. Aranha, Crespo, and A. Extracting semistructured information from the Web. In Anonymous [Ano97c], pages 18–25. ISBN ???? LCCN ????

Hambrusch:2009:MAT

[HHK+09] Susanne Hambrusch, Christoph Hoffmann, John T. Korb, Mark Haugan, and Antony L. Hosking. A multidisciplinary approach towards computational thinking for science majors. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 41(1): 183–187, March 2009. CODEN SIGSD3. ISSN 0097-8418. Proceedings of SIGCSE '09.

Hynninen:2016:OOP

[HHP+16] T. Hynninen, L. Himanen, V. Parkkinen, T. Musso, J. Corander, and A. S. Foster. An object oriented Python interface for atomistic simulations. *Computer Physics Communications*, 198(??):230–237, January 2016. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0010465515003483`.

Hiam:2015:LBP

[Hia15] Alexander Hiam. *Learning BeagleBone Python programming: unleash the potential of BeagleBone using Python*. Community experience distilled. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78439-970-1, 1-78439-080-1 (e-book). ???? pp. LCCN QA76.73.P98.

Hightower:2003:PPJ

[Hig03] Richard Hightower. *Python programming with the Java class libraries: a tutorial for building Web and Enterprise applications with Jython*. Addison-Wesley, Reading, MA, USA, 2003. ISBN 0-201-61616-5. xii + 620 pp. LCCN QA76.73.P98 H54 2003.

Hilpisch:2015:PF

[Hil15] Yves J. Hilpisch. *Python for finance*. O'Reilly Media, Inc., 1005 Gravenstein Highway North, Sebastopol, CA 95472, USA, 2015. ISBN 1-4919-4528-1 (paperback), 1-4919-4539-7 (e-book). xv + 586 pp. LCCN HG176.5 H55 2015.

Hinsen:2002:HLS

[Hin02] K. Hinsen. High-level scientific programming with Python. *Lecture Notes in Computer*

Science, 2331:691–??, 2002. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer-ny.com/link/service/series/0558/bibs/2331/23310691.htm`; `http://link.springer-ny.com/link/service/series/0558/papers/2331/23310691.pdf`.

Hinsen:2003:HLP

[Hin03] Konrad Hinsen. High-level parallel software development with Python and BSP. *Parallel Processing Letters*, 13(3):473–??, September 2003. CODEN PPLTEE. ISSN 0129-6264 (print), 1793-642X (electronic).

Hinsen:2007:PSP

[Hin07] Konrad Hinsen. Parallel scripting with Python. *Computing in Science and Engineering*, 9 (6):82–89, November/December 2007. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

Hunter:1995:PSB

[HK95] Lawrence Hunter and Teri E. Klein, editors. *Pacific Symposium on Biocomputing '96: Hawaii, USA, 3–6 January, 1996*. World Scientific Publishing Co., Singapore; Philadelphia, PA, USA; River Edge, NJ, USA, 1995. ISBN 981-02-2578-4. LCCN QH323.5.P33 1996. URL `http://www.cgl.ucsf.edu/psb/psb96/`.

Hosmer:2015:PPN

[HK15] Chet Hosmer and Gary C. Kessler, editors. *Passive Python network mapping: P2NMAP*. Syngress Publishing, Inc., Rockland, MA, USA, 2015. ISBN 0-12-802721-5, 0-12-802742-8 (e-book). LCCN TK5105.59 .H67 2015.

Holovaty:2008:DGD

[HKM08] Adrian Holovaty and Jacob Kaplan-Moss. *The Definitive Guide to Django: Web Development Done Right*. Springer eBook Collection Professional and Applied Computing [Dig. Serial]; Springer-12059 [Dig. Serial]. Apress, Berkeley, CA, USA, 2008. ISBN 1-59059-725-7. xxxii + 447 pp. LCCN TK5105.888.

Hinsen:2006:UBP

[HLSØ06] Konrad Hinsen, Hans Petter Langtangen, Ola Skavhaug, and Åsmund Ødegård. Using BSP and Python to simplify parallel programming. *Future Generation Computer Systems*, 22(1–2):123–157, January 2006. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic).

Hylton:1996:KPS

[HMD+96] J. Hylton, K. Manheimer, F. L. Drake, Jr., B. Warsaw, R. Masse, and G. van Rossum. Knowbot programming: system support for mobile agents. In Cabrera and Islam [CI96], pages 8–13. ISBN 0-8186-7693-0. LCCN QA 76.76 O63 I59

1996. IEEE catalog number 96TB100089.

Hosmer:2012:GSS

[Hos12] Ben Hosmer. Getting started with Salt Stack — the other configuration management system built with Python. *Linux journal*, 2012(223):3:1–3:??, November 2012. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

Hosmer:2014:PFW

[Hos14] Chet Hosmer. *Python Forensics: A workbench for inventing and sharing digital forensic technology*. Syngress Publishing, Inc., Rockland, MA, USA, 2014. ISBN 0-12-418683-1, 0-12-418676-9. LCCN ????

Howes:1998:TPC

[How98] Brad Howes. Template processing classes for Python. *Dr. Dobb's Journal of Software Tools*, 23(2):38, 40, 42, 44–46, 48, 100, February 1998. CODEN DDJOEB. ISSN 1044-789X.

Howard:2006:MYS

[How06] Mike Howard. Maybe you should use Python. *;login: the USENIX Association newsletter*, 31(5):??, October 2006. CODEN LOGNEM. ISSN 1044-6397. URL `https://www.usenix.org/publications/login/october-2006-volume-31-number-5/maybe-you-should-use-python`.

Hirschfeld:2012:EUC

[HPH12] Robert Hirschfeld, Michael Perscheid, and Michael Haupt. Explicit use-case representation in object-oriented programming languages. *ACM SIGPLAN Notices*, 47(2):51–60, February 2012. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Hermann:2016:SNU

[HPT+16] Gunter Hermann, Vincent Pohl, Jean Christophe Tremblay, Beate Paulus, Hans-Christian Hege, and Axel Schild. Software news and updates: ORBKIT: a modular Python toolbox for cross-platform postprocessing of quantum chemical wavefunction data. *Journal of Computational Chemistry*, 37 (16):1511–1520, June 15, 2016. CODEN JCCHDD. ISSN 0192-8651 (print), 1096-987X (electronic).

Hammond:2000:PPW

[HR00] Mark Hammond and Andy Robinson. *Python Programming on Win32: Help for Windows Programmers*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, January 2000. ISBN 1-56592-621-8 (paperback), 1-56592-925-X (e-book). xvii + 652 pp. LCCN QA76.73.P98 H36

2000. US$34.95. URL `http://www.oreilly.com/catalog/pythonwin32`.

Holt:2006:IPF

[HRS06] Alexander Holt, Sarah Rauchas, and Ian Sanders. Introducing Python into the first year curriculum at Wits. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 38(3):335, September 2006. CODEN SIGSD3. ISSN 0097-8418.

Homescu:2012:HTJ

[HS12] Andrei Homescu and Alex Suhan. HappyJIT: a tracing JIT compiler for PHP. *ACM SIGPLAN Notices*, 47(2):25–36, February 2012. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Hu:2013:UPH

[HS13] Helen H. Hu and Tricia D. Shepherd. Using POGIL to help students learn to program. *ACM Transactions on Computing Education*, 13(3):13:1–13:??, August 2013. CODEN ???? ISSN 1946-6226.

Heath:1997:PES

[HTA+97] Michael Heath, Virginia Torczon, Greg Astfalk, Petter E. Bjørstad, Alan H. Karp, Charles H. Koelbel, Vipin Kumar, Robert F. Lucas, Layne T. Watson, and David E. Womble, editors. *Proceedings of the Eighth SIAM Conference on Parallel Processing for Scientific Computing. Held in Minneapolis, MN, March 14–17, 1997*. Society for Industrial and Applied Mathematics, Philadelphia, PA, USA, 1997. CODEN PSSCFK. ISBN 0-89871-395-1. LCCN ???? CD-ROM for Windows, Macintosh and UNIX; no paper form published.

Hugunin:1997:PJB

[Hug97] Jim Hugunin. Python and Java: The best of both worlds. Discusses an implementation of the Python scripting language in Java. The article and the code are available electronically., 1997. URL `http://www.python.org/jpython/`.

Hughes:1999:LP

[Hug99] Phil Hughes. Learning Python. *Linux journal*, 66:??, October 1999. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic). URL `http://noframes.linuxjournal.com/lj-issues/issue66/3541.html`.

Hughes:2001:BRP

[Hug01] Phil Hughes. Book reviews: *Python Developer's Handbook*. *Linux journal*, 82:180, February 2001. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

Humer:2015:DSL

[HWW+15] Christian Humer, Christian Wimmer, Christian Wirth, Andreas Wöß, and Thomas Würthinger. A domain-specific

language for building self-optimizing AST interpreters. *ACM SIGPLAN Notices*, 50(3): 123–132, March 2015. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Idris:2014:PDA

[Idr14] Ivan Idris. *Python data analysis: learn how to apply powerful data analysis techniques with popular open source Python modules*. Community experience distilled. Packt Publishing, Birmingham, UK, 2014. ISBN 1-78355-335-9, 1-78355-336-7 (e-book). v + 329 pp. LCCN QA76.73.P98 I37 2014.

IEEE:1997:PIP

[IEE97a] IEEE, editor. *Proceedings. 11th International Parallel Processing Symposium, April 1–5, 1997, Geneva, Switzerland*. IEEE Computer Society Press, 1109 Spring Street, Suite 300, Silver Spring, MD 20910, USA, 1997. ISBN 0-8186-7793-7. LCCN QA76.58 .I56 1997. IEEE catalog number 97TB100107. IEEE Computer Society Press order number PR07792.

IEEE:1997:PAP

[IEE97b] IEEE, editor. *Proceedings. Asia Pacific Software Engineering Conference and International Computer Science Conference: December 2–5, 1997, Hong Kong*. IEEE Computer Society Press, 1109 Spring Street, Suite 300, Silver Spring, MD 20910, USA, 1997. ISBN 0-8186-8271-X. LCCN QA76.758.A77 1997. IEEE catalog number 97TB100207. IEEE Computer Society order number PR08271.

Ishizaki:2012:ADT

[IOC+12] Kazuaki Ishizaki, Takeshi Ogasawara, Jose Castanos, Priya Nagpurkar, David Edelsohn, and Toshio Nakatani. Adding dynamically-typed language support to a statically-typed language compiler: performance evaluation, analysis, and tradeoffs. *ACM SIGPLAN Notices*, 47(7):169–180, July 2012. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic). VEE '12 conference proceedings.

Jackson:2002:PPI

[Jac02] Keith R. Jackson. pyGlobus: a Python interface to the Globus Toolkit TM. *Concurrency and Computation: Practice and Experience*, 14(13–15):1075–1083, November/December 2002. CODEN CCPEBO. ISSN 1532-0626 (print), 1532-0634 (electronic).

Jankowski:2010:BRBa

[Jan10] Richard Jankowski. Book review: *Data Structures and Algorithms Using Python and C++*, by David M. Reed and John Zelle Franklin, Beedle and Associates 2009. *ACM SIGACT News*, 41(1):13–15, March 2010. CODEN SIGNDM. ISSN 0163-

5700 (print), 1943-5827 (electronic). See [RZ09].

Joyner:2011:OSC

[JČMG11] David Joyner, Ondřej Čertík, Aaron Meurer, and Brian E. Granger. Open source computer algebra systems: SymPy. *ACM Communications in Computer Algebra*, 45(3–4):225–234, September 2011. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).

Jones:2002:PX

[JD02] Christopher A. Jones and Fred L. Drake. *Python and XML*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, 2002. ISBN 0-596-00128-2. xvi + 360 pp. LCCN QA76.73.P98 J66 2002.

Johansson:2012:QOS

[JNN12] J. R. Johansson, P. D. Nation, and Franco Nori. QuTiP: an open-source Python framework for the dynamics of open quantum systems. *Computer Physics Communications*, 183 (8):1760–1772, August 2012. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0010465512000835`.

Johansson:2013:QPF

[JNN13] J. R. Johansson, P. D. Nation, and Franco Nori. QuTiP 2: a Python framework for the dynamics of open quantum systems. *Computer Physics Communications*, 184 (4):1234–1240, April 2013. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0010465512003955`.

Johnson:1997:BRI

[Joh97] Dwight Johnson. Book review: *Internet Programming with Python*. *Linux journal*, 42:??, October 1997. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic). URL `http://www.ssc.com/lj/issue42/2152.html`. See book [WvA96].

Johnson:2008:EPC

[Joh08] Mark Johnson. *Essential Python for corpus linguistics*. Blackwell, Oxford, UK, 2008. ISBN 1-4051-4563-3 (hardcover), 1-4051-4564-1 (paperback). 208 pp. LCCN ????

Johnson:2012:CIP

[Joh12] Mark J. (Mark James) Johnson. *A concise introduction to programming in Python*. Chapman and Hall/CRC textbooks in computing. CRC Press, 2000 N.W. Corporate Blvd., Boca Raton, FL 33431-9868, USA, 2012. ISBN 1-4398-9694-1 (pa-

perback). xi + 205 pp. LCCN QA76.73.P98 J64 2012.

Johansson:2015:NPP

[Joh15] Robert Johansson. *Numerical Python: a Practical Techniques Approach for Industry*. The expert's voice in PYTHON; Books for professionals by professionals. Apress, Berkeley, CA, USA, 2015. ISBN 1-4842-0554-5 (paperback), 1-4842-0553-7 (e-book). xxii + 487 pp. LCCN ???? URL `http://www.gbv.de/dms/tib-ub-hannover/841207984.pdf`.

Joshi:2015:OPE

[Jos15] Prateek Joshi. *OpenCV with Python by example: build real-world computer vision applications and develop cool demos using OpenCV for Python*. Community experience distilled. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78528-393-6, 1-78528-987-X. 296 (est.) pp. LCCN QA76.73.P98. URL `http://proquest.safaribooksonline.com/?fpi=9781785283932`.

Jirjies:2016:PPI

[JWHS16] Saman Jirjies, Garrick Wallstrom, Rolf U. Halden, and Matthew Scotch. `pyJacqQ`: Python implementation of Jacquez's Q-statistics for space-time clustering of disease exposure in case-control studies. *Journal of Statistical Software*, 74(??):??, ???? 2016. CODEN JSSOBK. ISSN 1548-7660. URL `https://www.jstatsoft.org/index.php/jss/article/view/v074i06`; `https://www.jstatsoft.org/index.php/jss/article/view/v074i06/v74i06.pdf`.

Kak:2008:SOC

[Kak08] Avinash C. Kak. *Scripting with objects: a comparative presentation of object-oriented scripting with Perl and Python*. Wiley, New York, NY, USA, 2008. ISBN 0-470-17923-6 (paperback). xxxiv + 1279 pp. LCCN QA76.64.K3555; QA76.64.K3555 2008. US$89.95. URL `http://www.loc.gov/catdir/enhancements/fy0743/2007035480-d.html`; `http://www.loc.gov/catdir/enhancements/fy0808/2007035480-b.html`; `http://www.loc.gov/catdir/enhancements/fy0835/2007035480-t.html`.

Karkera:2014:BPG

[Kar14] Kiran R. Karkera. *Building probabalistic graphical models with Python solve machine learning problems using probabalistic graphical models implemented in Python with real-world applications*. Community experience distilled. Packt Publishing, Birmingham, UK, 2014. ISBN 1-78328-900-7, 1-78328-901-5 (e-book), 1-306-90287-8 (e-book). LCCN QA279 K37 2014. URL `http://proquest.tech.safaribooksonline.de/9781783289004`.

Kasampalis:2015:MPD

[Kas15] Sakis Kasampalis. *Mastering Python design patterns*. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78398-932-7, 1-78398-933-5 (e-book). LCCN QA76.73.P98 K37 2015.

Krauss:2007:PMM

[KB07] Ryan W. Krauss and Wayne J. Book. A Python module for modeling and control design of flexible robots. *Computing in Science and Engineering*, 9(3): 41–45, May/June 2007. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

Kuchling:1999:PT

[KD99] Andrew Kuchling and Fred Drake, editors. *Python tutorial*. toExcel, San Jose, CA, 1999. ISBN 1-58348-375-6 (soft cover). ???? pp. LCCN ????

Kinder:2005:EDP

[Kin05] Ken Kinder. Event-driven programming with Twisted and Python. *Linux journal*, 2005 (131):??, March 2005. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

Kinser:2009:PB

[Kin09] Jason M. Kinser. *Python for bioinformatics*. Jones and Bartlett series in biomedical informatics. Jones and Bartlett Publishers, Sudbury, MA, USA, 2009. ISBN 0-7637-5186-3. xvii + 417 pp. LCCN QH324.2.K55; QH324.2.K55 2009.

Kirby:2004:AFN

[Kir04] Robert C. Kirby. Algorithm 839: FIAT, a new paradigm for computing finite element basis functions. *ACM Transactions on Mathematical Software*, 30(4):502–516, December 2004. CODEN ACMSCU. ISSN 0098-3500 (print), 1557-7295 (electronic).

Kiusalaas:2010:NME

[Kiu10] Jaan Kiusalaas. *Numerical methods in engineering with Python*. Cambridge University Press, Cambridge, UK, second edition, 2010. ISBN 0-521-19132-7 (hardcover). x + 422 pp. LCCN TA345 .K584 2010.

Kiusalaas:2013:NME

[Kiu13] Jaan Kiusalaas. *Numerical methods in engineering with Python 3*. Cambridge University Press, Cambridge, UK, 2013. ISBN 1-107-03385-3. xi + 423 pp. LCCN TA345 .K584 2013.

Korzen:2014:PPP

[KJ14] Marcin Korzeń and Szymon Jaroszewicz. PaCAL: A Python package for arithmetic computations with random variables. *Journal of Statistical Software*, 57(10):??, May 2014. CODEN JSSOBK. ISSN 1548-7660. URL `http://www.jstatsoft.org/v57/i10`.

Kazil:2015:DWU

[KJ15] Jacqueline Kazil and Katharine Jarmul. *Data Wrangling Us-*

ing Python. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, 2015. ISBN 1-4919-4881-7. ???? pp. LCCN ????

Kim:1997:DIW

[KL97] Hyeon Jong Kim and Ki Ho Lee. Design and implementation of Web documents creating system with HTML-supporting library. *Journal of KISS(C) (Computing Practices)*, 3(4):375–383, August 1997. CODEN CKNCFY. ISSN 1226-2293.

Klatchko:1999:DRS

[Kla99] Ron Klatchko. Dynamically reconfigurable servers: Python's extensibility makes it easy. *Dr. Dobb's Journal of Software Tools*, 24(1):80, 82–84, January 1999. CODEN DDJOEB. ISSN 1044-789X. URL `http://www.ddj.com/ddj/ftp/1999/1999_01/cprofile.zip`.

Klaver:2011:PC

[Kla11] Adrian Klaver. Python in the cloud. *Linux journal*, 2011(210): 7:1–7:??, October 2011. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

Koulouri:2014:TIP

[KLM14] Theodora Koulouri, Stanislao Lauria, and Robert D. Macredie. Teaching introductory programming: a quantitative evaluation of different approaches. *ACM Transactions on Computing Education*, 14 (4):26:1–26:??, December 2014. CODEN ???? ISSN 1946-6226.

Koulouri:2015:TIP

[KLM15] Theodora Koulouri, Stanislao Lauria, and Robert D. Macredie. Teaching introductory programming: a quantitative evaluation of different approaches. *ACM Transactions on Computing Education*, 14(4): 26:1–26:??, February 2015. CODEN ???? ISSN 1946-6226.

Kinsley:2015:BPG

[KM15] Harrison Kinsley and Will McGugan. *Beginning Python Games Development: With Pygame*. SpringerLink: Bücher. Apress, Berkeley, CA, USA, second edition, 2015. ISBN 1-4842-0970-2, 1-4842-0971-0. xxii + 308 + 53 pp. LCCN QA75.5-76.95. URL `http://www.springerlink.com/content/978-1-4842-0970-7`.

Knowlton:2008:PCM

[Kno08] Jim Knowlton. *Python: create-modify-reuse*. Wrox programmer to programmer. Wiley, New York, NY, USA, 2008. ISBN 0-470-25932-9. xxv + 261 pp. LCCN ????

Kormanyos:2011:APC

[Kor11] Christopher Kormanyos. Algorithm 910: a portable C++ multiple-precision system for special-function calculations. *ACM Transactions on Mathematical Software*, 37(4):45:1–45:??, February 2011. CO-

DEN ACMSCU. ISSN 0098-3500 (print), 1557-7295 (electronic).

Klarner:2012:TSD

[KSB12] Hannes Klarner, Heike Siebert, and Alexander Bockmayr. Time series dependent analysis of unparametrized Thomas networks. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, 9(5):1338–1351, September 2012. CODEN ITCBCY. ISSN 1545-5963 (print), 1557-9964 (electronic).

Koenka:2014:IOS

[KSH14] Israel Joel Koenka, Jorge Sáiz, and Peter C. Hauser. Instrumentino: an open-source modular Python framework for controlling Arduino based experimental instruments. *Computer Physics Communications*, 185 (10):2724–2729, October 2014. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0010465514002112`.

Kuchling:1997:PU

[Kuc97] Andrew Kuchling. Python update. *Linux journal*, 37:??, May 1997. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

Kuchling:1998:LIG

[Kuc98a] Andrew Kuchling. LJ interviews Guido van Rossum. *Linux journal*, 55:18, 20–21, November 1998. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

Kuchling:1998:CFP

[Kuc98b] Andrew M. Kuchling. A CGI framework in Python. *Web Techniques*, 3(2):43–46, February 1998. CODEN WETEFA. ISSN 1086-556X. URL `http://www.webtechniques.com/features/1998/02/kuchling/kuchling.shtml`.

Kuchling:1998:PDA

[Kuc98c] Andrew M. Kuchling. The Python DB-API. *Linux journal*, 49:??, May 1998. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

Lutz:1999:LP

[LA99] Mark Lutz and David Ascher. *Learning Python*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, 1999. ISBN 1-56592-464-9. xvi + 366 pp. LCCN QA76.73.P98 L8798 1999. US$29.95. URL `http://www.oreilly.com/catalog/9781565924642`; `http://www.oreilly.com/catalog/lpython/`.

Lutz:2004:LP

[LA04] Mark Lutz and David Ascher. *Learning Python*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515,

and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, second edition, 2004. ISBN 0-596-00281-5. xxvi + 591 pp. LCCN QA76.73.P98 L877 2004. URL `http://www.oreilly.com/catalog/9780596002817`.

Lacheiner:2006:EPB

[Lac06] Hermann Lacheiner. Entwicklung einer auf Python basierenden Rich Client Platform für Linux. (German) [Development of a Python-based Rich Client Platform for Linux]. Diplome-Arbeit, Universität Linz, Linz, Austria, 2006. v + 86 pp.

Lutz:2007:EPM

[LAG07] Mark Lutz, David Ascher, and Dinu C.. Gherman. *Einführung in Python: [moderne OO-Programmierung; behandelt Python 2.5]*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, second edition, 2007. ISBN 3-89721-488-1. xxvii + 624 pp. LCCN ???? EUR 39.90. URL `http://www.gbv.de/dms/ilmenau/toc/527924601.PDF`.

Lambert:2015:PPT

[Lam15] Kenneth Alfred Lambert. *Python programming for teens*. Cengage Learning PTR, Boston, MA, USA, 2015. ISBN 1-305-27195-5 (paperback), 1-305-27196-3 (e-book). xxviii + 243 pp. LCCN QA76.73.P98 L338 2015.

Langtangen:2006:PSC

[Lan06] Hans Petter Langtangen. *Python scripting for computational science*, volume 3 of *Texts in computational science and engineering*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., second edition, 2006. ISBN 3-540-29415-5. xxiv + 736 pp. LCCN ????

Langtangen:2007:PSC

[Lan07] Hans Petter Langtangen. *Python scripting for computational science*, volume 3 of *Texts in computational science and engineering*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., third edition, 2007. ISBN 3-540-73915-7. ???? pp. LCCN ????

Langtangen:2008:PSC

[Lan08] Hans Petter Langtangen. *Python Scripting for Computational Science*, volume 3 of *Springer eBook Collection Mathematics and Statistics [Dig. Serial]; Springer-11649 [Dig. Serial]; Texts in Computational Science and Engineering*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., third edition, 2008. ISBN 3-540-73915-7, 3-540-73916-5. xxiv + 750 pp. LCCN ????

Langtangen:2009:PSP

[Lan09] Hans Petter Langtangen. *A primer on scientific programming with Python*, volume 6 of *Texts in computational science*

and engineering. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 2009. ISBN 3-642-02475-0, 3-642-02474-2. ISSN 1611-0994. xxvii + 693 pp. LCCN QA76.73.P98 L286 2009.

Langtangen:2011:PSP

[Lan11] Hans Petter Langtangen. *A primer on scientific programming with Python*, volume 6 of *Texts in computational science and engineering*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., second edition, 2011. ISBN 3-642-18365-4, 3-642-18366-2 (e-book). xxix + 699 pp. LCCN QA76.73.P98 L36 2011.

Langtangen:2012:PSP

[Lan12] Hans Petter Langtangen. *A primer on scientific programming with Python*, volume 6 of *Texts in computational science and engineering*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., third edition, 2012. ISBN 3-642-30292-0, 3-642-30293-9 (e-book). ISSN 1611-0994. LCCN QA76.73.P98 L36 2012.

Lanaro:2013:PHP

[Lan13] Gabriele Lanaro. *Python high performance programming: boost the performance of your Python programs using advanced techniques*. Packt Publishing, Birmingham, UK, 2013. ISBN 1-78328-845-0 (paperback), 1-306-25426-4 (e-book). 95 pp. LCCN QA76.73 .P98. URL `http://proquest.tech.safaribooksonline.de/9781783288458`.

Lawhead:2015:QPP

[Law15] Joel Lawhead. *QGIS Python programming cookbook: over 140 recipes to help you turn QGIS from a desktop GIS tool into a powerful automated geospatial framework*. Community Experience Distilled. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78398-498-8, 1-78398-499-6 (e-book). xii + 315 pp. LCCN QA76.73.P98 .L394 2015.

Layton:2015:LDM

[Lay15] Robert Layton. *Learning data mining with Python: harness the power of Python to analyze data and create insightful predictive models*. Community experience distilled. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78439-605-2 (paper), 1-78439-120-4 (e-book). xiv + 317 pp. LCCN QA76.73.P98 L39 2015.

List:2011:FUT

[LC11] Michael List and David Car. A Fortran unit-testing framework utilizing templating and the PyF95++ toolset. *ACM Fortran Forum*, 30(1):3–15, April 2011. CODEN ???? ISSN 1061-7264 (print), 1931-1311 (electronic).

Luszczek:2007:HPD

[LD07] Piotr Luszczek and Jack Dongarra. High performance development for high end computing with Python Language Wrapper (PLW). *The International Journal of High Performance Computing Applications*, 21(3): 360–369, August 2007. CODEN IHPCFL. ISSN 1094-3420 (print), 1741-2846 (electronic). URL `http://hpc.sagepub.com/content/21/3/360.full.pdf+html`.

Lee:2011:PPF

[Lee11] Kent D. Lee. *Python programming fundamentals*. Undergraduate topics in computer science. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 2011. ISBN 1-84996-536-6, 1-84996-537-4 (e-book). xii + 241 pp. LCCN QA76.73.P98 L44 2011.

Lentin:2015:LRU

[Len15] Joseph Lentin. *Learning robotics using Python: design, simulate, program, and prototype an interactive autonomous mobile robot from scratch with the help of Python, ROS, and Open-CV!* Community experience distilled. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78328-753-5, 1-68015-749-3 (e-book). xiii + 303 pp. LCCN TJ211.495 .L46 2015.

LeVeque:2009:PTR

[LeV09] Randall J. LeVeque. Python tools for reproducible research on hyperbolic problems. *Computing in Science and Engineering*, 11(1):19–27, January/February 2009. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

Lewis:2009:HPP

[Lew09] Andrew Lewis. *High performance Python*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, 2009. ISBN 0-596-15996-X. ???? pp. LCCN ????

Lambert:2011:PBO

[LFN+11] Emmanuel Lambert, Martin Fiers, Shavkat Nizamov, Martijn Tassaert, Steven G. Johnson, Peter Bienstman, and Wim Bogaerts. Python bindings for the Open Source Electromagnetic Simulator Meep. *Computing in Science and Engineering*, 13(3):53–65, May/June 2011. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

Lister:2009:FER

[LFT09] Raymond Lister, Colin Fidge, and Donna Teague. Further evidence of a relationship between explaining, tracing and writing skills in introductory programming. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 41(3): 161–165, September 2009. CO-

DEN SIGSD3. ISSN 0097-8418. Proceedings of ITiCSE '09.

Liu:2010:LFI

[LGS10] Yanhong A. Liu, Michael Gorbovitski, and Scott D. Stoller. A language and framework for invariant-driven transformations. *ACM SIGPLAN Notices*, 45(2):55–64, February 2010. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Libeskind-Hadas:2014:CBP

[LHB14] Ran Libeskind-Hadas and Eliot Christen Bush. *Computing for biologists: Python programming and principles*. Cambridge University Press, Cambridge, UK, 2014. ISBN 1-107-04282-8 (hardcover), 1-107-64218-3 (paperback). x + 207 pp. LCCN QH324.2 .L53 2014. URL `http://www.cambridge.org/us/academic/subjects/life-sciences/genomics-bioinformatics-and-systems-biology/computing-biologists-python-programming-and-principles`.

Logaras:2014:PAE

[LHM14] Evangelos Logaras, Orsalia G. Hazapis, and Elias S. Manolakos. Python to accelerate embedded SoC design: a case study for systems biology. *ACM Transactions on Embedded Computing Systems*, 13(4):84:1–84:??, February 2014. CODEN ???? ISSN 1539-9087 (print), 1558-3465 (electronic).

Lindblad:2006:PP

[Lin06a] Erik Lindblad. *Programmering i Python*. Studentlitteratur, Lund, Sweden, 2006. ISBN 91-44-04520-4. 406 pp. LCCN ????

Lingl:2006:PKC

[Lin06b] Gregor Lingl. *Python für Kids: [mit CD ; auf CD: aktuelles Python 2.5, das Grafik-Modul xturtle und alle Programmbeispiele]*. bhv, Redline, Heidelberg, Germany, second edition, 2006. ISBN 3-8266-8622-5. 416 pp. LCCN ???? EUR 19.95.

Litvin:2008:MDA

[LL08] Maria Litvin and Gary Litvin. *Mathematics for the digital age and programming in Python*. Skylight Pub., Andover, MA, USA, 2008. ISBN 0-9727055-8-9. ???? pp. LCCN ???? URL `http://lccn.loc.gov/2007930214`.

Langtangen:2003:UDP

[LM03] H. P. Langtangen and K.-A. Mardal. Using Diffpack from Python scripts. In Langtangen and Tveito [LT03], pages 321–360. CODEN LNCSA6. ISBN 3-540-01438-1 (print), 3-642-18237-2 (e-book). ISSN 1439-7358. LCCN QA377 .A45 2003. URL `http://link.springer.com/content/pdf/10.1007/978-3-642-18237-2_8`.

Logg:2012:ASD

[LMW12] Anders Logg, Kent-Andre Mardal, and Garth Wells, editors. *Automated Solution of Differential Equations by the Finite Element Method: The FEniCS Book*, volume 84 of *Lecture Notes in Computational Science and Engineering*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 2012. CODEN LNCSA6. ISBN 3-642-23098-9 (print), 3-642-23099-7 (e-book). ISSN 1439-7358. xiii + 723 pp. LCCN ???? URL `http://fenicsproject.org`; `http://fenicsproject.org/book/`; `http://link.springer.com/book/10.1007/978-3-642-23099-8`; `http://www.springerlink.com/content/978-3-642-23099-8`; `https://launchpad.net/fenics-book`. The software developed by the FEniCS Project is free for all to use and modify (licensed under the GNU (L)GPL), and so is this book.

Long:2008:SAR

[Lon08] Philip D. Long. Scalable apprenticeships: reconnecting students through technology. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 40(3): 3–4, September 2008. CODEN SIGSD3. ISSN 0097-8418. Proceedings of ITiCSE '08.

Lott:2014:MOO

[Lot14a] Steven F. Lott. *Mastering object-oriented Python: grasp the intricacies of object-oriented programming in Python in order to efficiently build powerful real-world applications*. Community expertise distilled. Packt Publishing, Birmingham, UK, 2014. ISBN 1-78328-097-2, 1-78328-098-0 (e-book). xii + 609 pp. LCCN QA76.73.P98 L688 2014. URL `http://proquest.safaribooksonline.com/?fpi=9781783280971`.

Lott:2014:PSA

[Lot14b] Steven F. Lott. *Python for secret agents: analyze, encrypt, and uncover intelligence data using Python, the essential tool for all aspiring secret agents*. Community experience distilled. Packt Publishing, Birmingham, UK, 2014. ISBN 1-78398-042-7 (paperback), 1-78398-043-5 (e-book). v + 197 pp. LCCN TK5105.8883.

Lott:2015:FPP

[Lot15a] Steven Lott. *Functional Python programming*. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78439-699-0, 1-78439-761-X (e-book). 361 (est.) pp. LCCN QA76.73.P98 .L688 2015.

Lott:2015:PEM

[Lot15b] Steven F. Lott. *Python essentials: modernize existing Python code and plan code migrations to Python using this definitive guide*. Community experience distilled. Packt Publishing, Birmingham, UK, 2015.

ISBN 1-78439-814-4, 1-78439-034-8. xiv + 271 pp. LCCN ????

Lopez:2014:MPR

[LR14] Félix López and Víctor Romero. *Mastering Python regular expressions: leverage regular expressions in Python even for the most complex features*. Community experience distilled. Packt Publishing, Birmingham, UK, 2014. ISBN 1-78328-315-7 (paperback), 1-78328-316-5 (e-book). iii + 93 pp. LCCN QA76.73.P98 L67 2014. URL `http://proquest.safaribooksonline.com/?fpi=9781783283156`.

Laird:1997:CSL

[LS97] Cameron Laird and Kathryn Soraiz. Choosing a scripting language: Perl, Tcl, and Python: they're not your father's scripting languages. *SunWorld online*, ??(??):??, October 1997. ISSN 1091-8914. URL `http://www.sun.com/sunworldonline/swol-10-1997/swol-10-scripting.html`.

Laird:1998:GTW

[LS98] Cameron Laird and Kathryn Soraiz. GUI toolkits: What are your options? an overview of today's best-bet GUI toolkits. *SunWorld online*, ??(??):??, March 1998. ISSN 1091-8914. URL `http://www.sun.com/sunworldonline/swol-02-1998/swol-02-python.html`. Discusses Python.

Langtangen:2003:ATC

[LT03] Hans Petter Langtangen and Aslak Tveito, editors. *Advanced Topics in Computational Partial Differential Equations: Numerical Methods and Diffpack Programming*, volume 33 of *Lecture Notes in Computational Science and Engineering*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 2003. CODEN LNCSA6. ISBN 3-540-01438-1 (print), 3-642-18237-2 (e-book). ISSN 1439-7358. LCCN QA377.A45 2003. URL `http://link.springer.com/book/10.1007/978-3-642-18237-2`; `http://www.diffpack.com/Book`; `http://www.springerlink.com/content/978-3-642-18237-2`.

Lubanovic:2014:IPM

[Lub14] Bill Lubanovic. *Introducing Python: modern computing in simple packages*. O'Reilly Media, Inc., 1005 Gravenstein Highway North, Sebastopol, CA 95472, USA, 2014. ISBN 1-4493-5936-1 (paperback), 1-4493-6119-6 (e-book), 1-4493-6118-8 (e-book). xx + 454 pp. LCCN QA76.73.P98 L83 2015.

Lundh:2001:PSL

[Lun01] Fredrik Lundh. *Python Standard Library*. Nutshell handbook. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617

354 5800, May 2001. ISBN 0-596-00096-0. xvi + 281 pp. LCCN QA76.73.P98 L86 2001. US$29.95. URL http://www.oreilly.com/catalog/pythonsl.

Lutz:1996:PP

[Lut96] Mark Lutz. *Programming Python*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, Fall 1996. ISBN 1-56592-197-6, 0-585-03222-X (e-book). xxii + 880 pp. LCCN QA76.73.P98 L88 1996. US$39.95. URL http://shell.rmi.net/~lutz/; http://www.oreilly.com/catalog/python. Also available in Japanese translation, see http://www.oreilly.co.jp/BOOK/python1.htm.

Lutz:1998:POO

[Lut98a] Mark Lutz. Python: an object oriented scripting language. In Peter H. Salus, editor, *Handbook of Programming Languages*, page 120 (est.). Macmillan Publishing Company, New York, NY, USA, 1998. ISBN 1-57870-008-6 (vol. 1), 1-57870-009-4 (vol. 2), 1-57870-010-8 (vol. 3), 1-57870-011-6 (vol. 4). LCCN QA76.7 .H363 1998. URL http://shell.rmi.net/~lutz/whatsnew.html#S13.

Lutz:1998:PPR

[Lut98b] Mark Lutz. *Python Pocket Reference*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, 1998. ISBN 1-56592-500-9. iii + 75 pp. LCCN QA76.73.P98 L882 1998. US$6.95. URL http://www.oreilly.com/catalog/9781565925007; http://www.oreilly.com/catalog/pythonpr/.

Lutz:1999:UP

[Lut99] Mark Lutz. Using Python. *;login: the USENIX Association newsletter*, 24(1s): ??, January 1999. CODEN LOGNEM. ISSN 1044-6397. URL http://www.usenix.org/publications/login/1999-1/python.html. Special issue on tools.

Lutz:2001:PPO

[Lut01] Mark Lutz. *Programming Python: Object-Oriented Scripting*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, second edition, March 2001. ISBN 0-596-00085-5. xxxvii + 1255 pp. LCCN QA76.73.P98 L88 2001. US$54.95. URL http://www.oreilly.com/catalog/9780596000851; http://www.oreilly.com/catalog/python2. Includes CD-ROM.

Lutz:2002:PPR

[Lut02] Mark Lutz. *Python Pocket Reference*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, second edition, 2002. ISBN 0-596-00189-4. iv + 124 pp. LCCN QA76.73.P98 L89 2002. US$11.95. URL `http://safari.oreilly.com/0596001894`; `http://www.oreilly.com/catalog/9780596001896`; `http://www.oreilly.com/catalog/pythonpr2`.

Lutz:2005:PPR

[Lut05] Mark Lutz. *Python pocket reference*. O'Reilly Media, Inc., 1005 Gravenstein Highway North, Sebastopol, CA 95472, USA, third edition, 2005. ISBN 0-596-00940-2 (paperback). ix + 148 pp. LCCN QA76.73.P98 L89 2005. URL `http://www.oreilly.com/catalog/9780596009403`.

Lutz:2006:PP

[Lut06] Mark Lutz. *Programming Python*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, third edition, 2006. ISBN 0-596-00925-9. xlii + 1552 pp. LCCN QA76.73.P98 L88 2006eb; QA76.73.P98 L88 2006; QA76.73.P98. URL `http://www.oreilly.com/catalog/9780596009250`.

Lutz:2008:LP

[Lut08] Mark Lutz. *Learning Python*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, third edition, 2008. ISBN 0-596-51398-4, 0-596-51398-4. xliv + 700 pp. LCCN QA76.73.P98 L877 2008; QA76.73.P98 L877 2008eb; QA76.73.P98 L8798 2008; QA76.73.P98. URL `http://www.oreilly.com/catalog/9780596513986`.

Lutz:2009:LPa

[Lut09a] Mark Lutz. *Learning Python*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, fourth edition, 2009. ISBN 0-596-15806-8 (paperback). xlix + 1160 pp. LCCN QA76.73.P98 L877 2009.

Lutz:2009:LPb

[Lut09b] Mark Lutz. *Learning Python*. O'Reilly Media, Inc., 1005 Gravenstein Highway North, Sebastopol, CA 95472, USA, fourth edition, 2009. ISBN 0-596-80539-X. ???? pp. LCCN QA76.73.P98 L877 2009.

Lutz:2013:LP

[Lut13] Mark Lutz. *Learning Python*. O'Reilly Media, Inc., 1005 Gravenstein Highway North, Sebastopol, CA 95472, USA, fifth edition, 2013. ISBN 1-4493-5573-0. l + 1540 pp. LCCN QA76.73.P98 L877 2013. URL `http://proquestcombo.safaribooksonline.com/9781449355722`.

Lutz:2014:PPR

[Lut14] Mark Lutz. *Python pocket reference*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, fifth edition, 2014. ISBN 1-4493-5701-6 (paperback). vii + 254 pp. LCCN QA76.73.P98 L89 2014.

Logg:2010:DAF

[LW10] Anders Logg and Garth N. Wells. DOLFIN: Automated finite element computing. *ACM Transactions on Mathematical Software*, 37(2):20:1–20:28, April 2010. CODEN ACMSCU. ISSN 0098-3500 (print), 1557-7295 (electronic).

Lee:2010:JSD

[LWH+10] Byeongcheol Lee, Ben Wiedermann, Martin Hirzel, Robert Grimm, and Kathryn S. McKinley. Jinn: synthesizing dynamic bug detectors for foreign language interfaces. *ACM SIGPLAN Notices*, 45(6):36–49, June 2010. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Logg:2012:DCP

[LWH12] Anders Logg, Garth N. Wells, and Johan Hake. DOLFIN: a C++/Python finite element library. In Logg et al. [LMW12], pages 173–225. CODEN LNCSA6. ISBN 3-642-23098-9 (print), 3-642-23099-7 (e-book). ISSN 1439-7358. LCCN ???? URL `http://link.springer.com/content/pdf/10.1007/978-3-642-23099-8_10`. The software developed by the FEniCS Project is free for all to use and modify (licensed under the GNU (L)GPL), and so is this book.

Millman:2011:PSE

[MA11] K. Jarrod Millman and Michael Aivazis. Python for scientists and engineers. *Computing in Science and Engineering*, 13(2): 9–12, March/April 2011. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

MacLachlan:1991:CCL

[Mac91] Rob MacLachlan. CMU Common Lisp user's manual. Research paper CMU-CS-91-108, School of Computer Science, Carnegie Mellon University, Pittsburgh, PA, USA, February 1991. vi + 168 pp. This is a revised version of Technical Report CMU-CS-87-156.

MacLachlan:1992:CCL

[Mac92a] Rob MacLachlan. CMU Common Lisp user's manual. Research paper CMU-CS-92-161, School of Computer Science, Carnegie Mellon University, Pittsburgh, PA, USA, July 1992. v + 142 pp. Supersedes Technical Reports CMU-CS-87-156 and CMU-CS-91-108.

MacLachlan:1992:PCC

[Mac92b] Robert A. MacLachlan. Python compiler for CMU Common Lisp. In ACM [ACM92], pages 235–246. ISBN 0-89791-483-X, 0-89791-481-3. LCCN QA76.73.L23A26 1992. Also published as *LISP Pointers*, vol. **V**, no. 1, January-March, 1992. ACM order no. 552920.

Muller:2014:SAP

[MAC14] Stefan C. Muller, Gustavo Alonso, and Andre Csillaghy. Scaling astroinformatics: Python + automatic parallelization. *Computer*, 47(9):41–47, September 2014. CODEN CPTRB4. ISSN 0018-9162 (print), 1558-0814 (electronic). URL `http://csdl.computer.org/csdl/mags/co/2014/09/mco2014090041-abs.html`.

Madhavan:2015:MPD

[Mad15] Samir Madhavan. *Mastering Python for data science: explore the world of data science through Python and learn how to make sense of data*. Community experience distilled. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78439-015-1, 1-78439-262-6 (e-book). ???? pp. LCCN QA76.73.P98. URL `http://proquest.safaribooksonline.com/?fpi=9781784390150`.

Martelli:2002:PC

[Mar02] David Ascher Alex Martelli, editor. *Python Cookbook*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, 2002. ISBN 0-596-00167-3. xxix + 574 pp. LCCN QA76.73.P98 P983 2002 Stacks. US$39.95. URL `http://safari.oreilly.com/0596001673`; `http://www.oreilly.com/catalog/pythoncook`.

Martelli:2003:PN

[Mar03] Alex Martelli. *Python in a nutshell*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, 2003. ISBN 0-596-00188-6. xv + 636 pp. LCCN QA76.73.P98 M37 2003. URL `http://www.oreilly.com/catalog/9780596001889`.

Martelli:2006:PN

[Mar06] Alex Martelli. *Python in a nutshell*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge,

MA 02140, USA, Tel: +1 617 354 5800, second edition, 2006. ISBN 0-596-10046-9. xiv + 695 pp. LCCN QA76.73.P98 M37 2006eb; QA76.73.P98 M37 2006; QA76.73.P98. URL `http://www.oreilly.com/catalog/9780596100469`.

Martelli:2007:PC

[Mar07] Alex Martelli. *Python en concentré*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, second edition, 2007. ISBN 2-84177-452-X. xvi + 802 pp. LCCN ???? French translation by Éric Jacoboni and Yann Serra.

Matloff:2016:BRN

[Mat16] Norman Matloff. Book review: *Numerical Python: A Practical Techniques Approach for Industry*. *Journal of Statistical Software*, 70(??):??, ???? 2016. CODEN JSSOBK. ISSN 1548-7660. URL `https://www.jstatsoft.org/index.php/jss/article/view/v070b04`; `https://www.jstatsoft.org/index.php/jss/article/view/v070b04/v70b04.pdf`.

Maurer:2002:CPL

[Mau02] W. Douglas Maurer. The comparative programming languages course: a new chain of development. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 34(1):336–340, March 2002. CODEN SIGSD3. ISSN 0097-8418. Inroads: paving the way towards excellence in computing education.

Millman:2007:AFM

[MB07] K. Jarrod Millman and Matthew Brett. Analysis of functional magnetic resonance imaging in Python. *Computing in Science and Engineering*, 9(3): 52–55, May/June 2007. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

Misra:2009:MCT

[MBK09] Ananya Misra, Douglas Blank, and Deepak Kumar. A music context for teaching introductory computing. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 41(3):248–252, September 2009. CODEN SIGSD3. ISSN 0097-8418. Proceedings of ITiCSE '09.

Moore:2007:PPF

[MBW07] Dana Moore, Raymond Budd, and William Wright. *Professional Python frameworks: Web 2.0 programming with Django and TurboGears*. Wrox professional guides. Wiley, New York, NY, USA, 2007. ISBN 0-470-13809-2 (paperback). xxvii + 420 pp. LCCN TK5105.888 .M663 2007. URL `http://www.loc.gov/catdir/enhancements/fy0741/2007032138-d.html`; `http://www.loc.`

gov/catdir/enhancements/fy0741/2007032138-t.html; http://www.loc.gov/catdir/enhancements/fy0804/2007032138-b.html.

McGrath:1998:XPP

[McG98a] S. McGrath. XML programming in Python. *Dr. Dobb's Journal of Software Tools*, 23(2):82–??, 84–87, 101–104, February 1998. CODEN DDJOEB. ISSN 1044-789X.

McGrath:1998:IPX

[McG98b] Sean McGrath. Internet programming: XML programming in Python. *Dr. Dobb's Journal of Software Tools*, 23(2):82, 84–87, 101–104, February 1998. CODEN DDJOEB. ISSN 1044-789X.

McGrath:1998:PBT

[McG98c] Sean McGrath. Programmer's bookshelf: The Tcl/Tk and Python scripting environments. *Dr. Dobb's Journal of Software Tools*, 23(10):143, 145, October 1998. CODEN DDJOEB. ISSN 1044-789X. URL http://www.ddj.com/ddj/1998/1998_10/index.htm.

McGrath:2000:XPP

[McG00] Sean McGrath. *XML processing with Python*. The Charles F. Goldfarb series on open information management. Prentice-Hall, Englewood Cliffs, NJ 07632, USA, 2000. ISBN 0-13-021119-2. xxiv + 527 pp. LCCN QA76.76.H94 M3885 2000. US$44.99. URL http://www.phptr.com/ptrbooks/ptr_0130211192.html. Includes CD-ROM.

McGugan:2007:BGD

[McG07a] Will McGugan. *Beginning game development with Python and Pygame: from novice to professional*. The expert's voice in open source. Apress, Berkeley, CA, USA, 2007. ISBN 1-59059-872-5. xxiii + 316 pp. LCCN ????

McGuire:2007:GSP

[McG07b] Paul McGuire. *Getting started with* pyparsing. O'Reilly shortcuts. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, 2007. ISBN 0-596-51423-9. LCCN QA76.76.A65 M33 2007eb; QA76.76.A65. URL http://www.oreilly.com/catalog/9780596514235.

McKinney:2012:PDA

[McK12] Wes McKinney. *Python for Data Analysis*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, 2012. ISBN 1-4493-1979-3 (paperback). 400 pp. LCCN ???? EUR 32.00; UK £30.99.

McKinley:2016:PWU

[McK16] Kathryn S. McKinley. Programming the world of uncertain

things (keynote). *ACM SIGPLAN Notices*, 51(1):1–2, January 2016. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Marr:2015:TVP

[MD15] Stefan Marr and Stéphane Ducasse. Tracing vs. partial evaluation: comparing meta-compilation approaches for self-optimizing interpreters. *ACM SIGPLAN Notices*, 50(10):821–839, October 2015. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Mehta:2015:MPS

[Meh15] Hemant Kumar Mehta. *Mastering Python scientific computing: a complete guide for Python programmers to master scientific computing using Python APIs and tools*. Community experience distilled. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78328-883-3, 1-78328-882-5. ???? pp. LCCN QA76.73.P98. URL `http://proquest.safaribooksonline.com/?fpi=9781783288823`.

Mentis:2009:RAD

[Men09] Alexander S. Mentis. A robotics API dialect for type-safe robots: translating Myro to Ada. *ACM SIGADA Ada Letters*, 29(3): 91–102, December 2009. CODEN AALEE5. ISSN 1094-3641 (print), 1557-9476 (electronic).

Mertz:2003:TPP

[Mer03] David Mertz. *Text processing in Python*. Addison-Wesley, Reading, MA, USA, 2003. ISBN 0-321-11254-7. xix + 520 pp. LCCN QA76.9.T48 M47 2003.

Myers:2007:PUS

[MGS07] Christopher R. Myers, Ryan N. Gutenkunst, and James P. Sethna. Python unleashed on systems biology. *Computing in Science and Engineering*, 9(3): 34–37, May/June 2007. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

Minichino:2015:LOC

[MH15] Joe Minichino and Joseph Howse. *Learning OpenCV 3 computer vision with Python: unleash the power of computer vision with Python using OpenCV*. Community experience distilled. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78528-977-2, 1-78528-384-7. LCCN TA1634. URL `http://proquest.safaribooksonline.com/?fpi=9781785283840`.

Miller:2014:MTP

[Mil14] Thomas Miller. *Modeling techniques in predictive analytics with Python and R: a guide to data science*. Pearson Education, Upper Saddle River, NJ, 2014. ISBN 0-13-389206-9 (hardcover), 0-13-389212-3. xviii + 418 pp. LCCN QA76.73.P98.

Miller:2015:MDS

[Mil15] Thomas W. Miller. *Marketing data science: modeling techniques in predictive analytics with R and Python*. Pearson Education, Old Tappan, NJ, USA, 2015. ISBN 0-13-388766-9, 0-13-388762-6. ???? pp. LCCN HF5415. URL http://proquest.safaribooksonline.com/?fpi=9780133887662.

Mitchell:2000:DAS

[Mit00] Scott Mitchell. *Designing Active Server Pages: Scott Mitchell's Guide to Writing Reusable Code*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, September 2000. ISBN 0-596-00044-8. xii + 348 pp. LCCN TK5105.8885.A26 M58 2000. US$29.95. URL http://catdir.loc.gov/catdir/enhancements/fy0715/00062331-d.html; http://catdir.loc.gov/catdir/enhancements/fy0912/00062331-b.html; http://catdir.loc.gov/catdir/enhancements/fy1008/00062331-t.html; http://www.oreilly.com/catalog/9780596000448; http://www.oreilly.com/catalog/designasp.

Mitchell:2015:WSP

[Mit15] Ryan Mitchell. *Web scraping with Python: collecting data from the modern web*. O'Reilly Media, Inc., 1005 Gravenstein Highway North, Sebastopol, CA 95472, USA, 2015. ISBN 1-4919-1029-1 (paperback), 1-4919-1028-3. xiii + 238 pp. LCCN QA76.73.P98. URL http://proquest.safaribooksonline.com/9781491910283.

Mortensen:2016:HPP

[ML16] Mikael Mortensen and Hans Petter Langtangen. High performance Python for direct numerical simulations of turbulent flows. *Computer Physics Communications*, 203 (??):53–65, June 2016. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0010465516300200.

Maruch:2006:PD

[MM06] Stef Maruch and Aahz Maruch. *Python for dummies*. Wiley, New York, NY, USA, 2006. ISBN 0-471-77864-8 (paperback). xx + 410 pp. LCCN QA76.73.P98 M374 2006. URL http://www.loc.gov/catdir/enhancements/fy0741/2006924031-b.html; http://www.loc.gov/catdir/enhancements/fy0741/2006924031-d.html; http://www.loc.gov/catdir/toc/fy0713/2006924031.html.

Martelli:2005:PC

[MMA05] Alex Martelli, Anna Martelli Ravenscroft, and David Ascher, editors. *Python cookbook*. O'Reilly Media, Inc., 1005 Gravenstein Highway North, Sebastopol, CA 95472, USA, sec-

ond edition, 2005. ISBN 0-596-00797-3. xxxiii + 807 pp. LCCN QA76.73.P98 P983 2005.

Meinke:2008:SVS

[MMEH08] Jan H. Meinke, Sandipan Mohanty, Frank Eisenmenger, and Ulrich H. E. Hansmann. SMMP v. 3.0 — simulating proteins and protein interactions in Python and Fortran. *Computer Physics Communications*, 178(6):459–470, March 15, 2008. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0010465507004614.

Migallon:2011:PPL

[MMP11] Héctor Migallón, Violeta Migallón, and José Penadés. A Parallel Python library for nonlinear systems. *The Journal of Supercomputing*, 58(3):438–448, December 2011. CODEN JOSUED. ISSN 0920-8542 (print), 1573-0484 (electronic). URL http://www.springerlink.com/openurl.asp?genre=article&issn=0920-8542&volume=58&issue=3&spage=438.

Martins:2009:POO

[MMT09] Joaquim R. R. A. Martins, Christopher Marriage, and Nathan Tedford. pyMDO: An object-oriented framework for multidisciplinary design optimization. *ACM Transactions on Mathematical Software*, 36(4):20:1–20:25, August 2009. CODEN ACMSCU. ISSN 0098-3500 (print), 1557-7295 (electronic).

Mushtaq:2014:ACG

[MO14] Asif Mushtaq and Kåre Olaussen. Automatic code generator for higher order integrators. *Computer Physics Communications*, 185(5):1461–1472, May 2014. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0010465514000253.

Mohit:2015:PPT

[Moh15] Raj Mohit. *Python penetration testing essentials*. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78439-858-6, 1-78439-588-9 (e-book). LCCN QA76.73.P98.

Miller:2007:CSP

[MR07] Bradley N. Miller and David L. Ranum. *Computer science: the Python programming language*. Jones and Bartlett Publishers, Sudbury, MA, USA, 2007. ISBN 0-7637-4316-X. 59 pp. LCCN QA76.73.P98 M537 2007.

Miller:2009:PPC

[MR09] Bradley N. Miller and David L. Ranum. *Python programming in context*. Jones and Bartlett Publishers, Sudbury, MA, USA, 2009. ISBN 0-7637-4602-9 (paperback). xxv + 492 pp. LCCN QA76.73.P98 M544 2009.

Martelli:2006:PPE

[MRA06] Alex Martelli, Anna Martelli Ravensroft, and David Ascher. *Python par l'exemple*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, 2006. ISBN 2-84177-379-5. xxv + 525 pp. LCCN ???? French translation by Éric Jacoboni.

Matthew:2000:PLP

[MS+00] Neil Matthew, Richard Stones, et al. *Professional Linux programming*. Wrox Press, Chicago, IL, USA, 2000. ISBN 1-86100-301-3. xviii + 1155 pp. LCCN QA76.76.O63 P754 2000.

Myers:2007:PEC

[MS07] Christopher R. Myers and James P. Sethna. Python for education: Computational methods for nonlinear systems. *Computing in Science and Engineering*, 9(3):75–79, May/June 2007. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

Mertz:2013:GIP

[MS13] Andrew Mertz and William Slough. A gentle introduction to PythonTEX. *TUGboat*, 34(3):302–312, 2013. ISSN 0896-3207. URL `http://www.tug.org/TUGboat/tb34-3/tb108mertz.pdf`.

Malthe-Sorenssen:2015:EMU

[MS15] Anders Malthe-Sørenssen. *Elementary mechanics using Python: a modern course combining analytical and numerical techniques*. Undergraduate lecture notes in physics. Springer, Cham, Switzerland, 2015. ISBN 3-319-19595-6 (print), 3-319-19596-4 (e-book). ISSN 2192-4791 (print), 2192-4805 (electronic). xiii + 590 pp. LCCN QA805 .M35 2015.

Mardal:2007:UPS

[MSL+07] Kent-Andre Mardal, Ola Skavhaug, Glenn T. Lines, Gunnar A. Staff, and Åsmund Ødegård. Using Python to solve partial differential equations. *Computing in Science and Engineering*, 9(3):48–51, May/June 2007. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

Miller:2003:OCP

[MSR03] W. W. Miller, C. Sontag, and J. F. Rose. OPUS: a CORBA pipeline for Java, Python, and Perl applications. *Astronomical Society of the Pacific Conference Series*, 295:261–264, 2003. CODEN ???? ISSN 1050-3390.

Mount:2008:PRF

[MSW08] Sarah Mount, James Shuttleworth, and Russel Winder. *Python for Rookies: a first course in programming*. Thomson Learning (EMEA), London, UK, 2008. ISBN 1-84480-701-

0. xxi + 454 pp. LCCN QA76.73.P98 M68 2008.

Mueller:2014:BPP

[Mue14] John Mueller. *Beginning programming with Python for dummies*. Wiley, New York, NY, USA, 2014. ISBN 1-118-89145-7 (paperback), 1-118-89147-3 (e-book), 1-118-89149-X (ePDF). xiv + 382 pp. LCCN QA76.73.P98 M839 2014. URL `http://www.dummies.com/how-to/content/beginning-python-for-dummies-cheat-sheet.html`; `http://www.loc.gov/catdir/enhancements/fy1513/2014935516-b.html`; `http://www.loc.gov/catdir/enhancements/fy1513/2014935516-t.html`.

Mullner:2013:FFH

[Mül13] Daniel Müllner. `fastcluster`: Fast hierarchical, agglomerative clustering routines for R and Python. *Journal of Statistical Software*, 53(9):??, May 2013. CODEN JSSOBK. ISSN 1548-7660. URL `http://www.jstatsoft.org/v53/i09`.

Myridis:2015:IPA

[Myr15] Nikolaos E. Myridis. *Image processing and acquisition using Python*, by Ravishankar Chityala and Sridevi Pudipeddi, Scope: textbook. Level: general readership, undergraduate, teacher. *Contemporary Physics*, 56(2):243, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nagel:2006:EPY

[Nag06] William Nagel. Embedding Python in your C programs. *Linux journal*, 2006(142):8, February 2006. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

Nair:2014:GSB

[Nai14] Vineeth G. Nair. *Getting Started with Beautiful Soup: build your own web scraper and learn all about web scraping with Beautiful Soup*. Packt Publishing, Birmingham, UK, 2014. ISBN 1-78328-956-2, 1-78328-955-4, 1-4619-5720-6 (e-book), 1-306-40146-1 (e-book). LCCN QA76.9.D343. URL `http://proquest.tech.safaribooksonline.de/9781783289554`.

Nelli:2015:PDA

[Nel15] Fabio Nelli. *Python data analytics: data analysis and science using Pandas, matplotlib, and the Python programming language*. The expert's voice in Python. Apress, Berkeley, CA, USA, 2015. ISBN 1-4842-0959-1 (paperback), 1-4842-0958-3 (e-book). xxi + 337 pp. LCCN QA76.73.P98.

Nguyen:2008:IPCa

[Ngu08a] Binh Q. Nguyen. The implementation of a Python class for structuring network data collected in a test bed. Technical report D-arl-tr-4423, AD-a479 698, United States Army Research Lab, Adelphi, MD, USA, 2008. 30 pp.

Nguyen:2008:IPCb

[Ngu08b] Binh Q. Nguyen. An introduction to Python (a one-hour tour). Technical report AD-arl-tn-0328, AD-a484 316, United States Army Research Lab, Adelphi, MD, USA, 2008. 20 pp.

Nguyen:2008:PPE

[Ngu08c] Binh Q. Nguyen. pyGFC — a Python extension to the C++ Geodesy Foundation Classes. Technical report AD-arl-tr-4623, AD-a488 020, United States Army Research Lab, Adelphi, MD, USA, 2008.

Nguyen:2008:CSL

[Ngu08d] Quan Nguyen. *CAD scripting language: a collection of Perl, Ruby, Python, TCL and Skill scripts*. Ramacad, San Jose, CA, USA, 2008. ISBN 0-9777812-2-4. ???? pp. LCCN ????

Nguyen:2008:SLC

[Ngu08e] Quan Nguyen, editor. *Scripting languages: a collection of Perl, Ruby, Python, TCL and Unix*. Ramacad, San Jose, CA, USA, 2008. ISBN 0-9777812-3-2. ???? pp. LCCN ????

Nilsen:2007:PSC

[Nil07a] Jon K. Nilsen. Python in scientific computing: Applications to Bose–Einstein condensates. *Computer Physics Communications*, 177(1–2):45, July 2007. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0010465507001312`.

Nilsen:2007:MIQ

[Nil07b] Jon Kristian Nilsen. MontePython: Implementing quantum Monte Carlo using Python. *Computer Physics Communications*, 177(10):799–814, November 15, 2007. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0010465507003141`.

Nixon:2015:GSP

[Nix15] Dan Nixon. *Getting started with Python and Raspberry Pi*. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78355-159-3. ???? pp. LCCN ????

OConnor:2013:VPC

[O'C13] T. J. O'Connor. *Violent Python: a cookbook for hackers, forensic analysts, penetration testers and security engineers*. Syngress Publishing, Inc., Rockland, MA, USA, 2013. ISBN 1-59749-957-9 (paperback). xxv + 262 pp. LCCN QA76.73.P98 O26 2013.

Ochem:2009:MLP

[Och09] Quentin Ochem. Multi-language programming with Ada. *ACM SIGADA Ada Letters*, 29(3): 19–20, December 2009. CODEN AALEE5. ISSN 1094-3641 (print), 1557-9476 (electronic).

Oliphant:2007:PSC

[Oli07] Travis E. Oliphant. Python for scientific computing. *Computing in Science and Engineering*, 9 (3):10–20, May/June 2007. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

Ortin:2014:SDL

[OMGDG14] Francisco Ortin, Sheila Mendez, Vicente García-Díaz, and Miguel Garcia. On the suitability of dynamic languages for hot-reprogramming a robotics framework: a Python case study. *Software—Practice and Experience*, 44(1):77–104, January 2014. CODEN SPEXBL. ISSN 0038-0644 (print), 1097-024X (electronic).

Orlowski:1997:NSC

[Orl97] A. Orlowski. And now for something completely different? [Python language]. *.EXE: the software developers' magazine*, 12(2):34–35, 37, 39, 41, July 1997. CODEN EXEEE5. ISSN 0268-6872.

Orr:2005:RDP

[Orr05] Mike Orr. Review: *Dive into Python*. *Linux journal*, 2005 (130):??, February 2005. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

Pierce:1997:AEU

[PAB+97] J. S. Pierce, S. Audia, T. Burnette, K. Christiansen, D. Cosgrove, M. Conway, K. Hinckley, K. Monkaitis, J. Patten, J. Shothet, D. Staack, B. Stearns, Sturgill, C., G. Williams, and R. Pausch. Alice: easy to use interactive 3D graphics. In ACM [ACM97], pages 77–78. ISBN 0-89791-881-9. LCCN ????

Palach:2014:PPP

[Pal14] Jan Palach. *Parallel programming with Python develop efficient parallel systems using the robust Python environment*. Community experience distilled. Packt Publishing, Birmingham, UK, 2014. ISBN 1-78328-839-6, 1-78328-840-X (e-book). LCCN QA76.642. URL `http://proquest.tech.safaribooksonline.de/9781783288397`.

Parkin:2011:DEL

[Par11] Tom Parkin. Debugging embedded Linux platforms with DGB and Python. *Linux journal*, 2011(206):2:1–2:??, June 2011. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

Pataky:2016:RSO

[Pat16] Todd C. Pataky. `rft1d`: Smooth one-dimensional random field upcrossing probabilities in Python. *Journal of Statistical Software*, 71(??): ??, ???? 2016. CODEN JSSOBK. ISSN 1548-7660. URL `https://www.jstatsoft.org/index.php/jss/article/view/v071i07`; `https://www.jstatsoft.org/index.php/jss/article/view/v071i07/v71i07.pdf`.

Payne:2011:BPU

[Pay11] James Payne. *Beginning Python: using Python 2.6 and Python 3.1*. Wrox programmer to programmer. Wiley, New York, NY, USA, 2011. ISBN 0-470-41463-4. xxxiv + 588 pp. LCCN ????

Pradal:2009:PPB

[PBN+09] C. Pradal, F. Boudon, C. Nouguier, J. Chopard, and C. Godin. PlantGL: a Python-based geometric library for 3D plant modelling at different scales. *Graphical models*, 71(1):1–21, January 2009. CODEN GRMOFM. ISSN 1524-0703 (print), 1524-0711 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S1524070308000143`.

Pelletier:2001:Z

[Pel01] Michel Pelletier. Zope, 2001. URL `http://db.usenix.org/publications/library/proceedings/lisa2001/tech/`. Unpublished invited talk, LISA 2001: 15th Systems Administration Conference, December 2–7, 2001, Town and Country Resort Hotel, San Diego, CA.

Percival:2014:TDD

[Per14a] Harry Percival. *Test-driven development with Python*. O'Reilly Media, Inc., 1005 Gravenstein Highway North, Sebastopol, CA 95472, USA, 2014. ISBN 1-4493-6482-9 (paperback). xxviii + 449 pp. LCCN QA76.73.P98 P46 2014.

Perkins:2014:PTP

[Per14b] Jacob Perkins. *Python 3 text processing with NLTK 3 cookbook: over 80 practical recipes on natural language processing techniques using Python's NLKT 3.0*. Packt Publishing, Birmingham, UK, second edition, 2014. ISBN 1-78216-785-4, 1-78216-786-2 (e-book). iii + 288 pp. LCCN QA76.73.P98 P43 2014.

Petrone:2002:DPP

[Pet02] Jason Petrone. 3-D programming with Python. *Linux journal*, 94:89–94, February 2002. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

Pape:2016:LIS

[PFH+16] Tobias Pape, Tim Felgentreff, Robert Hirschfeld, Anton Gulenko, and Carl Friedrich Bolz. Language-independent storage strategies for tracing JIT-based virtual machines. *ACM SIGPLAN Notices*, 51(2):104–113, February 2016. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Perez:2007:ISI

[PG07] Fernando Pérez and Brian E. Granger. IPython: a system for interactive scientific computing. *Computing in Science and Engineering*, 9(3):21–29, May/June 2007. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

Perez:2011:PES

[PGH11] Fernando Perez, Brian E. Granger, and John D. Hunter. Python: An ecosystem for scientific computing. *Computing in Science and Engineering*, 13(2): 13–21, March/April 2011. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

Patil:2010:PBS

[PHF10] Anand Patil, David Huard, and Christopher J. Fonnesbeck. `PyMC`: Bayesian stochastic modelling in Python. *Journal of Statistical Software*, 35(4):??, July 2010. CODEN JSSOBK. ISSN 1548-7660. URL `http://www.jstatsoft.org/v35/i04`.

Pool:2012:SNU

[PHH+12] René Pool, Jaap Heringa, Martin Hoefling, Roland Schulz, Jeremy C. Smith, and K. Anton Feenstra. Software news and updates: Enabling grand-canonical Monte Carlo: Extending the flexibility of GROMACS through the GromPy Python interface module. *Journal of Computational Chemistry*, 33 (12):1207–1214, May 5, 2012. CODEN JCCHDD. ISSN 0192-8651 (print), 1096-987X (electronic).

Phillips:2010:POO

[Phi10] Dusty Phillips. *Python 3 object oriented programming*. Packt Publishing, Birmingham, UK, 2010. ISBN 1-84951-126-8, 1-84951-127-6 (e-book). v + 388 pp. LCCN QA76.73.P98 P45 2010eb.

Phillips:2015:POO

[Phi15] Dusty Phillips. *Python 3 object-oriented programming: unleash the power of Python 3 objects*. Packt Publishing, Birmingham, UK, second edition, 2015. ISBN 1-78439-878-0, 1-78439-878-0. xii + 431 pp. LCCN QA76.73.P98.

Pilgrim:2004:DP

[Pil04] Mark Pilgrim. *Dive into Python*. The expert's voice in open source. Apress, Berkeley, CA, USA, 2004. ISBN 1-59059-356-1 (paperback). xviii + 413 pp. LCCN QA76.73.P98 P55 2004.

Pilgrim:2009:DP

[Pil09] Mark Pilgrim. *Dive into Python 3*. The expert's voice in open source. Apress, Berkeley, CA, USA, 2009. ISBN 1-4302-2415-0. xlix + 360 pp. LCCN QA76.73.P98 P57 2009. URL `http://www.loc.gov/catdir/enhancements/fy1502/2011377607-b.html`; `http://www.loc.gov/catdir/enhancements/fy1502/2011377607-d.html`; `http://www.loc.gov/catdir/enhancements/fy1502/2011377607-t.html`.

Pippi:2015:PGA

[Pip15] Massimiliano Pippi. *Python for Google App Engine: master the full range of development features provided by Google App Engine to build and run scalable web applications in*

Python. Community Experience Distilled. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78439-819-5 (paperback), 1-78439-237-5 (e-book). 198 (est) pp. LCCN TK5105.8885.G643 .P577 2015.

Pletzer:2002:PFE

[Ple02] Alexander Pletzer. Python and finite elements. *Dr. Dobb's Journal of Software Tools*, 27 (3):36, 38–40, March 2002. CODEN DDJOEB. ISSN 1044-789X. URL `http://www.ddj.com/ftp/2002/2002_03/ellipt2d.txt`; `http://www.ddj.com/ftp/2002/2002_03/ellipt2d.zip`. See correction [Ano02].

Plosch:1997:DCP

[Plo97] R. Plosch. Design by contract for Python. In IEEE [IEE97b], pages 213–219. ISBN 0-8186-8271-X. LCCN QA76.758.A77 1997. IEEE catalog number 97TB100207. IEEE Computer Society order number PR08271.

Politz:2013:PFM

[PMM+13] Joe Gibbs Politz, Alejandro Martinez, Matthew Milano, Sumner Warren, Daniel Patterson, Junsong Li, Anand Chitipothu, and Shriram Krishnamurthi. Python: the full monty. *ACM SIGPLAN Notices*, 48(10):217–232, October 2013. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic). OOPSLA '13 conference proceedings.

Poore:2016:API

[Poo16] Geoffrey Poore. Advances in PythonTEX with an introduction to `fvextra`. *TUGboat*, 37 (2):187–192, 2016. ISSN 0896-3207.

Pop:2010:ERH

[Pop10] Iustin Pop. Experience report: Haskell as a reagent: results and observations on the use of Haskell in a Python project. *ACM SIGPLAN Notices*, 45(9): 369–374, September 2010. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Porter:2003:MDX

[Por03] Brett Porter. Managing devices with XML-RPC. *Dr. Dobb's Journal of Software Tools*, 28(4):66, 68–70, April 2003. CODEN DDJOEB. ISSN 1044-789X. URL `http://www.ddj.com/documents/s=7827/ddj0304h/`.

Pedroni:2002:JE

[PR02] Samuele Pedroni and Noel Rappin. *Jython Essentials*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, 2002. ISBN 0-596-00247-5. xx + 277 pp. LCCN QA76.73.J38 P43 2002 Stacks. US$24.95. URL `http://www.oreilly.com/catalog/jythoness`.

Prechelt:2000:ECS

[Pre00] Lutz Prechelt. An empirical comparison of seven programming languages. *Computer*, 33(10):23–29, October 2000. CODEN CPTRB4. ISSN 0018-9162 (print), 1558-0814 (electronic). URL `http://dlib.computer.org/co/books/co2000/pdf/rx023.pdf`; `http://www.computer.org/computer/co2000/rx023abs.htm`.

Prechelt:2003:SLG

[Pre03] L. Prechelt. Are scripting languages any good? A validation of Perl, Python, Rexx, and Tcl against C, C++, and Java. *Advances in Computers*, 57:207–271, 2003. CODEN ???? ISSN 0065-2458.

Pulleyn:2000:EPM

[Pul00] Ivan Pulleyn. Embedding Python in multi-threaded C/C++ applications. *Linux journal*, 73:??, May 2000. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

Radenski:2006:PFL

[Rad06] Atanas Radenski. "Python first": a lab-based digital introduction to computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 38(3):197–201, September 2006. CODEN SIGSD3. ISSN 0097-8418.

Radenski:2008:DCS

[Rad08] Atanas Radenski. Digital CS1 study pack based on Moodle and Python. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 40(3):325, September 2008. CODEN SIGSD3. ISSN 0097-8418. Proceedings of ITiCSE '08.

Richardson:2001:LEO

[RAH+01] Bruce Richardson, Anonymous, Nathan Hokanson, Ken O. Burtch, Jim V., Jerel Crosland, Paul Taylor, Sheldon Dubrowin, Paul Dale Roberts, Dean Provins, Kathy Lynn, and Andre Lessa. Letters to the editor: Offended; A real bastard; common misconception; Ada boy!; wacky names; penultimate Linux box?; SuSe too loosa; LJ interactive; sold on *Soldier*; `groff` is great; what's up with Ogg?; changes to the *Python Developer's Handook*. *Linux journal*, 83:6, 141–142, March 2001. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

Ramalho:2015:FPC

[Ram15] Luciano Ramalho. *Fluent Python: clear, concise, and effective programming*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, 2015. ISBN 1-4919-4600-8. xxiv + 743 pp. LCCN

AA76.73.P98. URL http://proquest.safaribooksonline.com/?fpi=9781491946237.

Raymond:1998:SPO

[Ray98] Eric Raymond. Stop the presses: Open source summit. *Linux journal*, 50:??, 1998. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic). URL http://www.ssc.com/lj/issue50/2918.html. Discusses Perl, Python, and Tcl.

Rickett:2006:RPF

[RCRS06] Christopher D. Rickett, Sung-Eun Choi, Craig E. Rasmussen, and Matthew J. Sottile. Rapid prototyping frameworks for developing scientific applications: a case study. *The Journal of Supercomputing*, 36(2): 123–134, May 2006. CODEN JOSUED. ISSN 0920-8542 (print), 1573-0484 (electronic). URL http://www.springerlink.com/openurl.asp?genre=article&issn=0920-8542&volume=36&issue=2&spage=123.

Ramm:2007:RWA

[RDS07] Mark Ramm, Kevin Dangoor, and Gigi Sayfan. *Rapid Web applications with TurboGears: using Python to create Ajax-powered sites*. Prentice Hall open source software development series. Prentice-Hall, Englewood Cliffs, NJ 07632, USA, 2007. ISBN 0-13-243388-5 (paperback). xxvii + 472 pp. LCCN TK5105.888 .R355 2007.

Reed:2004:RAD

[Ree04] David Reed. Rapid application development with Python and Glade. *Linux journal*, 2004 (123):??, July 2004. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

Rempt:2001:PPT

[Rem01a] Boudewijn Rempt. Python's PyQt toolkit. *Dr. Dobb's Journal of Software Tools*, 26(1):88, 90, 92, 94, January 2001. CODEN DDJOEB. ISSN 1044-789X. URL http://www.ddj.com/ftp/2001/2001_01/pyqt.txt.

Rempt:2001:SJP

[Rem01b] Boudewijn Rempt. Scripting with Java and Python: Building a Python console window in a Java application. *Dr. Dobb's Journal of Software Tools*, 26(10):56, 60–61, October 2001. CODEN DDJOEB. ISSN 1044-789X. URL http://www.ddj.com/ftp/2001/2001_10/pyconsol.txt; http://www.ddj.com/ftp/2001/2001_10/pyconsol.zip.

Ren:2016:JTS

[RF16] Brianna M. Ren and Jeffrey S. Foster. Just-in-time static type checking for dynamic languages. *ACM SIGPLAN Notices*, 51 (6):462–476, June 2016. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Ramu:2000:CCP

[RG00] Chenna Ramu and Christina Gemuend. cgimodel: CGI programming made easy with Python. *Linux journal*, 75:??, July 2000. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

Rhodes:2010:FPN

[RG10] Brandon Rhodes and John Goerzen. *Foundations of Python network programming: the comprehensive guide to building network applications with Python*. The expert's voice in open source. Apress, Berkeley, CA, USA, second edition, 2010. ISBN 1-4302-3003-7 (paperback), 1-4302-3004-5 (e-book). xx + 345 pp. LCCN QA76.73.P98 G64 2010eb. URL `http://proquest.safaribooksonline.com/9781430230038`.

Rhodes:2014:FPN

[RG14] Brandon Rhodes and John Goerzen. *Foundations of Python network programming*. Apress, Berkeley, CA, USA, third edition, 2014. ISBN 1-4302-5854-3 (paperback), 1-4302-5855-1 (e-book). xxi + 388 pp. LCCN QA76.73.P98 R48 2014. URL `http://www.loc.gov/catdir/enhancements/fy1603/2015458068-b.html`; `http://www.loc.gov/catdir/enhancements/fy1603/2015458068-d.html`; `http://www.loc.gov/catdir/enhancements/fy1603/2015458068-t.html`.

RodasdePaz:2015:PGP

[RH15] Alejandro Rodas de Paz and Joseph Howse. *Python game programming by example: a pragmatic guide for developing your own games with Python*. Community experience distilled. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78528-153-4, 1-78528-391-X (e-book). 230 (est.) pp. LCCN QA76.76.C672. URL `http://proquest.safaribooksonline.com/?fpi=9781785281532`.

Richardson:2013:GSB

[Ric13] Matt Richardson. *Getting started with BeagleBone*. Maker Media, Sebastopol, CA, 2013. ISBN 1-4493-4537-9 (paperback), 1-4493-4536-0, 1-4493-4535-2 (e-book), 1-4493-4533-6 (e-book). xiii + 126 pp. LCCN TK7895.E42 R43 2013.

Richardson:2014:BEL

[Ric14] Matt Richardson. *BeagleBone für Einsteiger: [Linux-basierte Elektronik-Projekte mit Python und JavaScript]*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, 2014. ISBN 3-95561-409-3. xii + 134 pp. LCCN ????

Richardson:2015:AP

[Ric15] Craig Richardson. *Adventures in Python*. Wiley, New York, NY, USA, 2015. ISBN 1-118-

95185-9, 1-118-95179-4. 282 pp. LCCN QA76.73.P98.

Riehl:2009:LEO

[Rie09] Jonathan Riehl. Language embedding and optimization in Mython. *ACM SIGPLAN Notices*, 44(12):39–48, December 2009. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Ravitch:2009:AGL

[RJAL09] Tristan Ravitch, Steve Jackson, Eric Aderhold, and Ben Liblit. Automatic generation of library bindings using static analysis. *ACM SIGPLAN Notices*, 44(6):352–362, June 2009. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Ragan-Kelley:2014:OPP

[RKVL14] Benjamin Ragan-Kelley, John P. Verboncoeur, and Ming-Chieh Lin. Optimizing physical parameters in 1-D particle-in-cell simulations with Python. *Computer Physics Communications*, 185(10):2487–2494, October 2014. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0010465514001994`.

Ranum:2006:SAT

[RMZG06] David Ranum, Bradley Miller, John Zelle, and Mark Guzdial. Successful approaches to teaching introductory computer science courses with Python. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 38(1): 396–397, March 2006. CODEN SIGSD3. ISSN 0097-8418.

Raschka:2015:PML

[RO15a] Sebastian Raschka and Randal S. Olson. *Python machine learning: unlock deeper insights into machine learning with this vital guide to cutting-edge predictive analytics*. Community experience distilled. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78355-514-9, 1-78355-513-0. ???? pp. LCCN QA76.73.P98. URL `http://proquest.safaribooksonline.com/?fpi=9781783555130`.

Redondo:2015:CEC

[RO15b] Jose Manuel Redondo and Francisco Ortin. A comprehensive evaluation of common Python implementations. *IEEE Software*, 32(4):76–84, July/August 2015. CODEN IESOEG. ISSN 0740-7459 (print), 1937-4194 (electronic). URL `http://www.computer.org/csdl/mags/so/2015/04/mso2015040076-abs.html`.

Romero:2014:MPR

[Rom14] Victor Romero. *Mastering Python regular expressions*. Shroff Publishers, ????, 2014. ISBN 93-5110-550-4. LCCN ????

Rook:1997:LCC

[Roo97] David Rook. A language collector comments on: Java,

Perl & Python, October 1997. URL `http://www.chips.navy.mil/chips/archives/97_oct/file12.htm`.

Rooker:1998:BRP

[Roo98] Terry Rooker. Book review: *Programming Python*. *;login: the USENIX Association newsletter*, 23(2): ??, April 1998. CODEN LOGNEM. ISSN 1044-6397. URL `http://www.usenix.org/publications/login/1998-4/python.html`.

Rosenberg:2008:DCT

[Ros08] Scott Rosenberg. *Dreaming in code: Two dozen Programmers, three years, 4,732 bugs, and one quest for transcendent software*. Three Rivers Press, New York, NY, USA, 2008. ISBN ???? 403 pp. LCCN ????

Rossant:2013:LII

[Ros13] Cyrille Rossant. *Learning IPython for interactive computing and data visualization: Learn IPython for interactive Python programming, high-performance numerical computing, and data visualization*. Open source: community experience distilled. Packt Publishing, Birmingham, UK, 2013. ISBN 1-78216-993-8 (paperback), 1-78216-994-6 (e-book), 1-299-54508-4 (e-book). iv + 123 pp. LCCN QA76.73.P98 .R677 2013.

Rossant:2014:IIC

[Ros14] Cyrille Rossant. *IPython interactive computing and visualization cookbook: over 100 hands-on recipes to sharpen your skills in high-performance numerical computing and data science with Python*. Packt Publishing, Birmingham, UK, 2014. ISBN 1-78328-481-1, 1-78328-482-X (e-book), 1-322-16622-6 (e-book). v + 494 pp. LCCN QA76.73.P98 R677 2014.

Russell:2014:MSW

[Rus14] Matthew A. Russell. *Mining the social web*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, second edition, 2014. ISBN 1-4493-6761-5 (paperback), 1-4493-7045-4 (e-book), 1-4493-6821-2 (e-book), 1-4493-6822-0 (e-book). xxiv + 421 pp. LCCN QA76.9.D343 R87 2013.

Reed:2009:DSA

[RZ09] David M. Reed and John M. Zelle. *Data structures and algorithms using Python and C++*. Franklin, Beedle and Associates, Inc., Wilsonville, OR, USA, 2009. ISBN 1-59028-233-7. ???? pp. LCCN QA76.73.P98 R44 2009.

Saha:2012:PPC

[Sah12] Amit Saha. Parallel programming in C and Python.

Linux journal, 2012(217):4:1–4:??, May 2012. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

Saha:2015:DMP

[Sah15] Amit Saha. *Doing math with Python: use programming to explore algebra, statistics, calculus, and more!* No Starch Press, San Francisco, CA, USA, 2015. ISBN 1-59327-640-0 (paperback). xvii + 244 pp. LCCN QA20.C65 S24 2015.

Sale:2014:TPA

[Sal14] David Sale. *Testing Python: applying unit testing, TDD, BDD, and acceptance testing*. Wiley, New York, NY, USA, 2014. ISBN 1-118-90122-3 (paperback), 1-118-90125-8 (e-book), 1-118-90124-X (ePDF). xv + 222 pp. LCCN QA76.73.P98 .S254 2014eb.

Sander:2013:ESP

[San13] Leonard M. (Leonard Michael) Sander. *Equilibrium statistical physics: with computer simulations in Python*. CreateSpace Independent Publishing, North Charleston, SC, USA, 2013. ISBN 1-4910-6651-2. xii + 321 pp. LCCN QC174.8 .S36 2013.

Sanderson:2015:PGA

[San15] Dan Sanderson. *Programming Google App Engine with Python*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, 2015. ISBN 1-4919-0025-3, 1-4919-0024-5, 1-4919-0368-6 (e-book), 1-4919-0367-8 (e-book). xxi + 439 pp. LCCN TK5105.88813.

Sarker:2014:PNP

[Sar14] M. O. Faruque Sarker. *Python network programming cookbook over 70 detailed recipes to develop pratical solutions for a wide range of real-world network programming tasks*. Quick answers to common problems. Packt Publishing, Birmingham, UK, 2014. ISBN 1-84951-346-5. LCCN ???? URL `http://proquest.tech.safaribooksonline.de/9781849513463`.

Stevens:2015:PPB

[SB15] Tim Stevens and Wayne Boucher. *Python programming for biology, bioinformatics, and beyond*. Cambridge University Press, Cambridge, UK, 2015. ISBN 0-521-89583-9 (hardcover), 0-521-72009-5 (paperback). viii + 702 + 8 pp. LCCN QH324.2 .S727 2014.

Smigaj:2015:SBI

[ŚBA+15] Wojciech Śmigaj, Timo Betcke, Simon Arridge, Joel Phillips, and Martin Schweiger. Solving boundary integral problems with BEM++. *ACM Transactions on Mathematical Software*, 41(2):6:1–6:??, January 2015. CODEN ACMSCU. ISSN 0098-3500 (print), 1557-7295 (electronic).

Strickland:2014:PPM

[SBMD14] Christopher Strickland, Robert Burdett, Kerrie Mengersen, and Robert Denham. PySSM: A Python module for Bayesian inference of linear Gaussian state space models. *Journal of Statistical Software*, 57(6):??, April 2014. CODEN JSSOBK. ISSN 1548-7660. URL `http://www.jstatsoft.org/v57/i06`.

Scott:2009:PLP

[Sco09] Michael L. Scott. *Programming Language Pragmatics*. Morgan Kaufmann Publishers, San Francisco, CA, USA, third edition, 2009. ISBN 0-12-374514-4. xxx + 910 pp. LCCN ???? Many sections of the book are relegated to the accompanying CD-ROM.

Scherer:2000:SPV

[SDS00] David Scherer, Paul Dubois, and Bruce Sherwood. Scientific programming: VPython: 3D interactive scientific graphics for students. *Computing in Science and Engineering*, 2 (5):56–62, September/October 2000. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic). URL `http://dlib.computer.org/cs/books/cs2000/pdf/c5056.pdf`.

Segaran:2007:PCI

[Seg07] Toby Segaran. *Programming collective intelligence: building Smart Web 2.0 applications*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, 2007. ISBN 0-596-52932-5, 0-596-55068-5. xxi + 334 pp. LCCN T58.5 .S43 2007. URL `http://www.oreilly.com/catalog/9780596529321`.

Seitz:2009:GPP

[Sei09] Justin Seitz. *Gray Hat Python: Python programming for hackers and reverse engineers*. No Starch Press, San Francisco, CA, USA, 2009. ISBN 1-59327-192-1, 1-59327-224-3 (e-book). ???? pp. LCCN QA76.9.A25 S457 2009. URL `http://proquest.safaribooksonline.com/9781593271923`.

Seitz:2014:BPP

[Sei14] Justin Seitz. *Black hat Python: Python programming for hackers and pentesters*. No Starch Press, San Francisco, CA, USA, 2014. ISBN 1-59327-590-0. xviii + 170 pp. LCCN QA76.73.P98 S45 2015.

Severance:2013:PIE

[Sev13] Charles Severance. *Python for informatics: exploring information*. CreateSpace Independent Publishing, North Charleston, SC, USA, 2013. ISBN 1-4923-3924-5. xii + 224 + 12 pp. LCCN QA76.73.P98 S48 2013b.

Severance:2015:GVRa

[Sev15a] Charles Severance. Guido van Rossum: The early years of

Python. *Computer*, 48(2):7–9, February 2015. CODEN CPTRB4. ISSN 0018-9162 (print), 1558-0814 (electronic). URL `http://csdl.computer.org/csdl/mags/co/2015/02/mco2015020007.html`.

Severance:2015:GVRb

[Sev15b] Charles Severance. Guido van Rossum: The modern era of Python. *Computer*, 48(3):8–10, March 2015. CODEN CPTRB4. ISSN 0018-9162 (print), 1558-0814 (electronic). URL `http://csdl.computer.org/csdl/mags/co/2015/03/mco2015030008.html`.

Sanders:2007:SMM

[SG07] Ian Douglas Sanders and Vashti C. Galpin. Students' mental models of recursion at wits. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 39 (3):317, September 2007. CODEN SIGSD3. ISSN 0097-8418. Proceedings of the 12th Annual SIGCSE Conference on Innovation and Technology in Computer Science Education (ITiCSE'07).

Shannon:2003:ABF

[Sha03] Christine Shannon. Another breadth-first approach to CS I using Python. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 35(1):248–251, January 2003. CODEN SIGSD3. ISSN 0097-8418.

Shell:1997:PDS

[She97] Jeffrey P. Shell. Python does scripts and objects — Python is a platform-independent OOP language with capabilities ranging from simple scripting to sophisticated object libraries. *Byte Magazine*, 22(2):63–64, February 1997. CODEN BYTEDJ. ISSN 0360-5280 (print), 1082-7838 (electronic).

Shein:2015:NPB

[She15] Esther Shein. News: Python for beginners. *Communications of the ACM*, 58(3):19–21, March 2015. CODEN CACMA2. ISSN 0001-0782 (print), 1557-7317 (electronic). URL `http://cacm.acm.org/magazines/2015/3/183588/fulltext`.

Shi:2007:PIG

[Shi07] Xuan Shi. Python for Internet GIS applications. *Computing in Science and Engineering*, 9(3): 56–59, May/June 2007. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

Sileika:2014:PPS

[Sil14] Rytis Sileika. *Pro Python system administration*. The expert's voice in Python. Apress, Berkeley, CA, USA, second edition, 2014. ISBN 1-4842-0218-X (paperback), 1-4842-0217-1 (e-book). xxvi + 399 pp. LCCN QA76.73.P98 S55 2014.

Sitaker:2002:PPW

[Sit02] Kragen Sitaker. Python or Perl: Which is bet-

ter? *;login: the USENIX Association newsletter*, 27(3): ??, June 2002. CODEN LOGNEM. ISSN 1044-6397. URL `http://www.usenix.org/publications/login/2002-06/pdfs/sitaker.pdf`.

Stubblebine:2008:RAK

[SKS08] Toni Stubblebine, Peter Klicman, and Lars Schulten. *Reguläre Ausdrücke — kurz and gut [für Perl, Ruby, PHP, C#, Python, Java and .NET]*. O'Reillys Taschenbibliothek. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, second edition, 2008. ISBN 3-89721-535-7. 131 pp. LCCN ???? EUR 9.90.

Sanders:2008:SPP

[SL08] Ian D. Sanders and Sasha Langford. Students' perceptions of Python as a first programming language at Wits. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 40(3):365, September 2008. CODEN SIGSD3. ISSN 0097-8418. Proceedings of ITiCSE '08.

Slatkin:2015:EPS

[Sla15] Brett Slatkin. *Effective Python: 59 specific ways to write better Python*. Effective software development series. Addison-Wesley, Reading, MA, USA, 2015. ISBN 0-13-403441-4. ???? pp. LCCN QA76.73.P98.

Sinz:2014:PNP

[SLGB14] Fabian H. Sinz, Jörn-Philipp Lies, Sebastian Gerwinn, and Matthias Bethge. `Natter`: A Python natural image statistics toolbox. *Journal of Statistical Software*, 61(5):??, November 2014. CODEN JSSOBK. ISSN 1548-7660. URL `http://www.jstatsoft.org/v61/i05`.

Stubblebine:2004:SHD

[SM04] Tony Stubblebine and Junko Mishima. *Seiki hyogen desukutoppu rifarensu: regular expressions for Perl, C, PHP, Python, Java, and .NET*. Orairi Japan, Tokyo, Japan, 2004. ISBN 4-87311-170-6. vi + 96 pp. LCCN ????

Small:2012:SPB

[Sma12] Alex Small. Scientific Python for both expert and novice programmers. *Computing in Science and Engineering*, 14(2): 6–7, March/April 2012. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

Smith:2015:C

[Smi15] Kurt W. Smith. *Cython*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, 2015. ISBN 1-4919-0155-1. 240 pp. LCCN

???? URL `http://proquest.safaribooksonline.com/9781491901731`.

[sR11]

Schroeder:2006:VTO

[SML06] Will Schroeder, Ken Martin, and Bill Lorensen. *The visualization toolkit: an object-oriented approach to 3D graphics [visualize data in 3D — medical, engineering or scientific; build your own applications with C++, Tcl, Java or Python; includes source code for VTK (supports UNIX, Windows and Mac)]*. Kitware, Clifton Park, NY, fourth edition, 2006. ISBN 1-930934-19-X. xvi + 512 pp. LCCN ????

Serang:2012:FMS

[SN12] Oliver Serang and William Stratford Noble. Faster mass spectrometry-based protein inference: Junction trees are more efficient than sampling and marginalization by enumeration. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, 9(3):809–817, May 2012. CODEN ITCBCY. ISSN 1545-5963 (print), 1557-9964 (electronic).

Spotz:2012:PRA

[Spo12] William F. Spotz. PyTrilinos: Recent advances in the Python interface to Trilinos. *Scientific Programming*, 20(3): 311–325, ???? 2012. CODEN SCIPEV. ISSN 1058-9244 (print), 1875-919X (electronic).

Russell:2011:MSW

Matthew A. (Computer scientist) Russell. *Mining the social web*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, 2011. ISBN 1-4493-8834-5 (paperback), 1-4493-0416-8 (e-book), 1-4493-0393-5 (e-book), 1-4493-9475-2. xx + 332 pp. LCCN QA76.9.D343 R87 2011. URL `http://twitter.com/\#!/SocialWebMining`.

Stefik:2013:EIP

[SS13] Andreas Stefik and Susanna Siebert. An empirical investigation into programming language syntax. *ACM Transactions on Computing Education*, 13(4):19:1–19:??, November 2013. CODEN ???? ISSN 1946-6226.

Sala:2008:PHP

[SSH08] Marzio Sala, W. F. Spotz, and M. A. Heroux. PyTrilinos: High-performance distributed-memory solvers for Python. *ACM Transactions on Mathematical Software*, 34(2):7:1–7:33, March 2008. CODEN ACMSCU. ISSN 0098-3500 (print), 1557-7295 (electronic).

Simon:2016:PIA

[SSH16] Cory M. Simon, Berend Smit, and Maciej Haranczyk. pyIAST: Ideal adsorbed solution theory (IAST) Python package.

Computer Physics Communications, 200(??):364–380, March 2016. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0010465515004403.

Scheible:2007:MPR

[ST+07] Jürgen Scheible, Ville Tuulos, et al. *Mobile Python: rapid prototyping of applications on the mobile platform*. Wiley, New York, NY, USA, 2007. ISBN 0-470-51505-8 (paperback). xx + 327 pp. LCCN QA76.73.P98 S34 2007. URL http://www.loc.gov/catdir/enhancements/fy0739/2007029113-d.html; http://www.loc.gov/catdir/enhancements/fy0833/2007029113-b.html; http://www.loc.gov/catdir/enhancements/fy0833/2007029113-t.html.

Stelter:2006:BHA

[Ste06] Fred Stelter. Building a home automation and security system with Python. *Linux journal*, 2006(142):4, February 2006. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

Stewart:2014:PS

[Ste14] John Stewart. *Python for Scientists*. Cambridge University Press, Cambridge, UK, 2014. ISBN 1-107-06139-3 (hardcover), 1-107-68642-3. xii + 220 pp. LCCN Q183.9 .S865 2014. URL http://assets.cambridge.org/97811070/61392/cover/9781107061392.jpg.

Stone:2013:BRT

[Sto13] James V. Stone. *Bayes' rule: a tutorial introduction to Bayesian analysis*. Sebtel Press, Lexington, KY, USA, 2013. ISBN 0-9563728-4-8 (paperback). 170 pp. LCCN QA279.5 .S766 2013.

Stubblebine:2003:REP

[Stu03] Tony Stubblebine. *Regular expression pocket reference*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, 2003. ISBN 0-596-00415-X. vi + 93 pp. LCCN QA76.9.T48 S78 2003. URL http://www.oreilly.com/catalog/9780596004156.

Stubblebine:2007:REP

[Stu07] Tony Stubblebine. *Regular expression pocket reference: Regular expressions for Perl, Ruby, PHP, Python, C, Java, and .NET*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, second edition, 2007. ISBN 0-596-51427-1 (paperback). vii + 117 pp. LCCN QA76.9.T48 S78 2007. URL http://proquest.

safaribooksonline.com/9780596514273; http://www.loc.gov/catdir/toc/fy0802/2007281074.html.

Suchojad:2013:ZAE

[Suc13] Dariusz Suchojad. Zato — agile ESB, SOA, REST and cloud integrations in Python. *Linux journal*, 2013(235):2:1–2:??, November 2013. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

Summerfield:2008:RGP

[Sum08] Mark Summerfield. *Rapid GUI programming with Python and Qt: the definitive guide to PyQt programming*. Prentice Hall open source software development series. Prentice-Hall, Englewood Cliffs, NJ 07632, USA, 2008. ISBN 0-13-235418-7 (hardcover). xiv + 625 pp. LCCN QA76.9.U83 S89 2008.

Summerfield:2009:PPC

[Sum09] Mark Summerfield. *Programming in Python 3: a complete introduction to the Python language*. Developer's library. Addison-Wesley, Reading, MA, USA, 2009. ISBN 0-13-712929-7 (paperback). xiv + 525 pp. LCCN QA76.73.P98 S86 2009.

Summerfield:2010:PPC

[Sum10] Mark Summerfield. *Programming in Python 3: a complete introduction to the Python language*. Developer's library. Addison-Wesley, Reading, MA, USA, second edition, 2010. ISBN 0-321-68056-1 (paperback). xvi + 630 pp. LCCN QA76.73.P98 S86 2010.

Suzuki:1997:P

[Suz97] Junichi Suzuki. Python. *Japanese Dr Dobbs*, ??(??):??, ???? 1997. A series of seven articles on Python.

Sandner:2014:CMC

[SV14] Raimar Sandner and András Vukics. C++QEDv2 Milestone 10: a C++/Python application-programming framework for simulating open quantum dynamics. *Computer Physics Communications*, 185(9):2380–2382, September 2014. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0010465514001349.

Shacham:2009:CAS

[SVY09] Ohad Shacham, Martin Vechev, and Eran Yahav. Chameleon: adaptive selection of collections. *ACM SIGPLAN Notices*, 44 (6):408–418, June 2009. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Sabia:2014:PTV

[SW14] Martino Sabia and Cathy Wang. *Python tools for Visual Studio leverage the power of the Visual Studio IDE to develop better and more efficient Python projects*. Community experience distilled. Packt Publish-

ing, Birmingham, UK, 2014. ISBN 1-78328-868-X, 1-78328-869-8. LCCN QA76.73.P98. URL http://proquest.tech.safaribooksonline.de/9781783288687.

Sarker:2015:LPN

[SW15] M. O. Faruque Sarker and Sam Washington. *Learning Python network programming: utilize Python 3 to get network applications up and running quickly and easily*. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78439-600-1, 1-78439-115-8 (e-book). 320 (est.) pp. LCCN QA76.73.P98. URL http://proquest.safaribooksonline.com/9781784396008.

Sedgewick:2015:IPP

[SWD15] Robert Sedgewick, Kevin Daniel Wayne, and Robert Dondero. *Introduction to programming in Python: an interdisciplinary approach*. Addison-Wesley, Reading, MA, USA, 2015. ISBN 0-13-407653-2, 0-13-407643-5. ???? pp. LCCN QA76.73.P98. URL http://proquest.safaribooksonline.com/?fpi=9780134076539.

Sweigart:2009:PPL

[Swe09] Albert Sweigart. *Playing with Python: learn to program by making games*. No Starch Press, San Francisco, CA, USA, 2009. ISBN 1-59327-198-0 (paperback). ???? pp. LCCN ????

Sweigart:2013:HSC

[Swe13] Al Sweigart. *Hacking Secret Ciphers with Python: [a beginner's guide to cryptography and computer programming with Python]*. CreateSpace Independent Publishing, North Charleston, SC, USA, 2013. ISBN 1-4826-1437-5. 436 pp. LCCN ???? URL http://swbplus.bsz-bw.de/bsz40205301Xinh.htm.

Sweigart:2014:ABS

[Swe14] Al Sweigart. *Automate the boring stuff with python: practical programming for total beginners*. No Starch Press, San Francisco, CA, USA, 2014. ISBN 1-59327-599-4. xxi + 479 pp. LCCN QA76.73.P98. URL http://proquestcombo.safaribooksonline.com/9781457189906.

Swinnen:2009:APA

[Swi09] Gérard Swinnen. *Apprendre á programmer avec Python: objet, multithreading, événements, bases de données, programmation web, programmation réseau, Unicode*. Eyrolles, Paris, France, 2009. xviii + 341 pp. LCCN ????

Tabba:2010:ACP

[Tab10] Fuad Tabba. Adding concurrency in Python using a commercial processor's hardware transactional memory support. *ACM SIGARCH Computer Architecture News*, 38(5): 12–19, December 2010. CODEN CANED2. ISSN 0163-5964 (ACM), 0884-7495 (IEEE).

Talbot:2000:WGT

[Tal00] Hugues Talbot. wxPython, a GUI toolkit. *Linux journal*, 74: ??, June 2000. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

Tan:2001:JWP

[Tan01] C. K. Tan. A JDBC wrapper — in Python! *Dr. Dobb's Journal of Software Tools*, 26(8): 50, 52, 54, August 2001. CODEN DDJOEB. ISSN 1044-789X. URL `http://www.ddj.com/ftp/2001/2001_08/jdbcpy.txt`; `http://www.ddj.com/ftp/2001/2001_08/jdbcpy.zip`.

Tanimoto:2006:IPA

[Tan06] Steven L. Tanimoto. *Introduction to Python for Artificial Intelligence*. IEEE Computer Society Press, 1109 Spring Street, Suite 300, Silver Spring, MD 20910, USA, 2006. ISBN ???? ???? pp. LCCN ???? US$19.00. URL `http://www.computer.org/portal/pages/ieeecs/ReadyNotes/tanimotoabstract.html`.

Telles:2006:PPC

[Tel06] Matthew A. Telles. *Python power!: the comprehensive guide*. Thomson Course Technology PTR, Boston, MA, USA, 2006. ISBN 1-59863-158-6. xx + 508 pp. LCCN QA76.73.P98 T45 2006.

Tohline:2009:CPM

[TGEA09] Joel E. Tohline, Jinghya Ge, Wesley Even, and Erik Anderson. A customized Python module for CFD flow analysis within VisTrails. *Computing in Science and Engineering*, 11(3): 68–73, May/June 2009. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

Theis:2009:EPC

[The09] Thomas Theis. *Einstieg in Python 3: [auf CD: Python 3 und alle Code-Beispiele des Buchs ; für Programmanfänger und Umsteiger ; mit vielen Beispielen und èUbungsaufgaben ; inkl. objektorientierter Programmierung, Datenbanken, Internet u.v.m.]*. Galileo computing. Galileo Press, Bonn, Germany, second edition, 2009. ISBN 3-8362-1406-7. 399 pp. LCCN ???? EUR 24.90.

Tidwell:2007:XMX

[Tid07] Doug Tidwell. *XSLT: mastering XML transformations*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, second edition, 2007. ISBN 0-596-52721-7 (paperback). xviii + 965 pp. LCCN QA76.73.X58 T53 2008. US$31.99.

Tien:2016:PPM

[Tie16] Vivienne Tien. Python and

physical modeling. *Computing in Science and Engineering*, 18 (3):8–10, May/June 2016. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

Toms:2015:AAG

[Tom15] Silas Toms. *ArcPy and ArcGIS-geospatial analysis with Python: use the ArcPy module to automate the analysis and mapping of geospatial data in ArcGIS*. Community experience distilled. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78398-866-5, 1-78398-867-3 (e-book). 224 (est.) pp. LCCN G70.212. URL `http://proquest.safaribooksonline.com/?fpi=9781783988662`.

Tosi:2009:MPD

[Tos09] Sandro Tosi. *Matplotlib for Python developers: build remarkable publication quality plots the easy way*. From technologies to solutions. Packt Publishing, Birmingham, UK, 2009. ISBN 1-84719-790-6. iv + 293 pp. LCCN QA76.73.P48 T67 2009.

Troan:1996:FSSb

[Tro96a] Erik Troan. Free software solutions: Basic X programming in Python. *The X Journal: Computing Technology with the X Window System*, 5(6):84–??, June 1996. CODEN XJOUEA. ISSN 1056-7003.

Troan:1996:FSSc

[Tro96b] Erik Troan. Free software solutions: Meta widgets in Python. *The X Journal: Computing Technology with the X Window System*, 5(7):??, July/August 1996. CODEN XJOUEA. ISSN 1056-7003.

Troan:1996:FSSa

[Tro96c] Erik Troan. Free software solutions: The Python language. *The X Journal: Computing Technology with the X Window System*, 5(5):96–??, May 1996. CODEN XJOUEA. ISSN 1056-7003.

Troan:1997:FSS

[Tro97] Eric Troan. Free software solutions: From Python to Java. *UNIX Developer*, 1(1):77–78, January/February 1997. ISSN 1090-2279.

Trevino:2014:ANP

[TS14] Jeffrey Treviño and Craig Sapp. Automated notation of piano recordings for historic performance practice study. *Journal on Computing and Cultural Heritage (JOCCH)*, 7(3):17:1–17:??, August 2014. CODEN ???? ISSN 1556-4673 (print), 1556-4711 (electronic).

Thiruvathukal:2002:WPT

[TSC02] George K. (George Kuriakose) Thiruvathukal, John P. Shafaee, and Thomas W. Christopher. *Web programming: techniques for integrating Python, Linux, Apache, and MySQL*. P T R Prentice-Hall, Englewood Cliffs, NJ 07632, USA, 2002. ISBN 0-13-041065-9. xviii + 745 pp. LCCN QA76.625

.T48 2002. URL http://www.phptr.com/ptrbooks/ptr_0130410659.html.

Takikawa:2012:GTF

[TSD+12] Asumu Takikawa, T. Stephen Strickland, Christos Dimoulas, Sam Tobin-Hochstadt, and Matthias Felleisen. Gradual typing for first-class classes. *ACM SIGPLAN Notices*, 47 (10):793–810, October 2012. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Tatsubori:2010:EJT

[TTS+10] Michiaki Tatsubori, Akihiko Tozawa, Toyotaro Suzumura, Scott Trent, and Tamiya Onodera. Evaluation of a just-in-time compiler retrofitted for PHP. *ACM SIGPLAN Notices*, 45(7):121–132, July 2010. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Ucoluk:2012:IPC

[ÜK12] Göktürk Üçoluk and Sinan Kalkan. *Introduction to programming concepts with case studies in Python*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 2012. ISBN 3-7091-1342-3, 3-7091-1343-1 (e-book). LCCN QA76.6 .U26 2012.

Ulloa:2015:KIA

[Ull15] Roberto Ulloa. *Kivy — interactive applications and games in Python: create responsive cross-platform UI/UX applications and games in Python and using the open source Kivy library*. Community Experience Distilled. Packt Publishing, Birmingham, UK, second edition, 2015. ISBN 1-78528-692-7, 1-78528-438-X. 206 (est.) pp. LCCN QA76.73.P98. URL http://proquest.safaribooksonline.com/?fpi=9781785286926.

USENIX:1996:PSUb

[USE96] USENIX, editor. *Proceedings of the Second USENIX Conference on Object-Oriented Technologies and Systems (COOTS), June 17–21, 1996, Toronto, Canada*. USENIX, Berkeley, CA, USA, 1996. ISBN 1-880446-77-4. LCCN QA76.64 .U85 1996. URL http://www.usenix.org/publications/library/proceedings/coots96/.

USENIX:2000:PAL

[USE00] USENIX, editor. *Proceedings of the 4th Annual Linux Showcase and Conference, Atlanta, October 10–14, 2000, Atlanta, Georgia, USA*. USENIX, Berkeley, CA, USA, 2000. ISBN 1-880446-17-0. LCCN ???? URL http://www.usenix.org/publications/library/proceedings/als2000/.

UUIG:1995:VBA

[UVa95] UVa User Interface Group. VR blackboard: Alice: Rapid prototyping for virtual reality. *IEEE Computer Graphics and Applications*, 15(3):8–11, May 1995.

CODEN ICGADZ. ISSN 0272-1716 (print), 1558-1756 (electronic).

Vaingast:2009:BPV

[Vai09] Shai Vaingast. *Beginning Python visualization: crafting visual transformation scripts*. Apress, Berkeley, CA, USA, 2009. ISBN 1-4302-1843-6 (paperback). xx + 363 pp. LCCN QA76.73.P98 V35 2009.

Vaingast:2014:BPV

[Vai14] Shai Vaingast. *Beginning Python visualization crafting visual transformation scripts*. Expert's voice in Python. Apress, Berkeley, CA, USA, second edition, 2014. ISBN 1-4842-0053-5. LCCN ???? URL `http://proquest.tech.safaribooksonline.de/9781484200529`.

vanRossum:1995:EEP

[van95a] Guido van Rossum. Extending and embedding the Python interpreter. Report CS-R9527, Centrum voor Wiskunde en Informatica, P. O. Box 4079, 1009 AB Amsterdam, The Netherlands, April 1995. i + 22 pp.

vanRossum:1995:PLR

[van95b] Guido van Rossum. Python library reference. Report CS-R9524, Centrum voor Wiskunde en Informatica, P. O. Box 4079, 1009 AB Amsterdam, The Netherlands, April 1995. iv + 186 pp. URL `http://www.python.org/doc/lib/lib.html`.

vanRossum:1995:PRM

[van95c] Guido van Rossum. Python reference manual. Report CS-R9525, Centrum voor Wiskunde en Informatica, P. O. Box 4079, 1009 AB Amsterdam, The Netherlands, April 1995. ii + 54 pp. URL `http://www.python.org/doc/ref/ref-1.html`.

vanRossum:1995:PT

[van95d] Guido van Rossum. Python tutorial. Report CS-R9526, Centrum voor Wiskunde en Informatica, P. O. Box 4079, 1009 AB Amsterdam, The Netherlands, April 1995. iii + 65 pp. URL `http://www.python.org/doc/tut/tut.html`.

vanRossum:1997:P

[van97a] Guido van Rossum. Python. *World Wide Web Journal*, 2 (2):??, Spring 1997. CODEN WWWFFI. ISSN 1085-2301. URL `http://www.ora.com/catalog/wj6/`.

Vanaken:1997:WCS

[Van97b] Michel Vanaken. Writing CGI scripts in Python. *Linux journal*, 34:??, February 1997. CODEN LIJOFX. ISSN 1075-3583 (print), 1938-3827 (electronic).

vanRossum:1998:TPL

[van98a] G. van Rossum. A tour of the Python language. In Ege et al. [ESM98], pages 370–?? ISBN 0-8186-8383-X. LCCN ???? IEEE catalog number 97TB100221.

vanRossum:1998:EEP

[van98b] Guido van Rossum. Extending and embedding the Python interpreter. Technical report, Corporation for National Research Initiatives, 1895 Preston White Drive, Suite 100, Reston, VA 20191, USA, April 14, 1998. URL `http://www.python.org/doc/ext/ext.html`. For Python Release 1.5.1.

vanRossum:1998:PCA

[van98c] Guido van Rossum. Python/C API reference manual. Technical report, Corporation for National Research Initiatives, 1895 Preston White Drive, Suite 100, Reston, VA 20191, USA, 1998. URL `http://www.python.org/doc/api/api.html`. For Python Release 1.5.1.

Vanderplas:2016:PDS

[Van16] Jake Vanderplas. *Python Data Science Handbook*. O'Reilly & Associates, Inc., 103a Morris Street, Sebastopol, CA 95472, USA, Tel: +1 707 829 0515, and 90 Sherman Street, Cambridge, MA 02140, USA, Tel: +1 617 354 5800, 2016. ISBN 1-4919-1205-7. ???? pp. LCCN ????

Varley:2016:EPP

[Var16] Ryan Varley. ExoData: a Python package to handle large exoplanet catalogue data. *Computer Physics Communications*, 207(??):298–309, October 2016. CODEN CPHCBZ. ISSN 0010-4655 (print), 1879-2944 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0010465516301254`.

Vallisneri:2008:PXA

[VB08] Michele Vallisneri and Stanislav Babak. Python and XML for agile scientific computing. *Computing in Science and Engineering*, 10(1):80–87, January/February 2008. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

vanRossum:1991:LSG

[vd91] G. van Rossum and J. de Boer. Linking a stub generator (AIL) to a prototyping language (Python). In EurOpen [Eur91], pages 229–247. ISBN 1-873611-00-5. LCCN ????

vonLowis:1997:PB

[vF97] Martin von Löwis and Nils Fischbeck. *Das Python-Buch*. Addison-Wesley Longman, Reading, MA, USA, 1997. ISBN 3-8273-1110-1. 495 pp. DM 69,90; ATS 510; CHR 63,00. Includes CD-ROM.

VanHensbergen:2008:HAR

[VFMM08] Eric Van Hensbergen, Charles Forsyth, Jim McKie, and Ron Minnich. Holistic aggregate resource environment. *Operating Systems Review*, 42(1):85–91, January 2008. CODEN OSRED8. ISSN 0163-5980 (print), 1943-586X (electronic).

Virmani:2016:CFU

[Vir16] Vineet Virmani. Computational finance using QuantLib-Python.

Computing in Science and Engineering, 18(2):78–88, March/April 2016. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

Vitousek:2015:DEG

[VKSB15] Michael M. Vitousek, Andrew M. Kent, Jeremy G. Siek, and Jim Baker. Design and evaluation of gradual typing for Python. *ACM SIGPLAN Notices*, 50(2):45–56, February 2015. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

vanRossum:2003:IPR

[vRD03] Guido van Rossum and Fred L. Drake, Jr., editors. *An introduction to Python: release 2.2.2*. Network Theory Ltd., Bristol, UK, 2003. ISBN 0-9541617-6-9. ii + 115 pp. LCCN ????

vanRossum:2005:PLR

[vRD05a] Guido van Rossum and Fred L. Drake, Jr. *Python Language Reference Manual*. Network Theory Ltd., Bristol, UK, 2005. ISBN 0-9541617-8-5. ii + 112 pp. LCCN QA76.73.P98. URL `http://www.network-theory.co.uk/python/language/`.

vanRossum:2005:PTI

[vRD05b] Guido van Rossum and Fred L. Drake, Jr. *The Python Tutorial — An Introduction to Python*. Network Theory Ltd., Bristol, UK, 2005. ISBN 0-9541617-6-9. 124 (est.) pp. LCCN ????

vanRossum:1999:PT

[vRDK99] Guido van Rossum, Fred L. Drake, and Andrew Kuchling. *Python tutorial*. Open Docs Library, Lincoln, NE, USA, 1999. ISBN 1-58348-375-6 (soft cover). LCCN QA76.73.P98 V36 2000b. URL `ftp://uiarchive.cso.uiuc.edu/pub/etext/gutenberg/`.

Verschelde:2015:PHC

[VY15] Jan Verschelde and Xiangcheng Yu. Polynomial homotopy continuation on GPUs. *ACM Communications in Computer Algebra*, 49(4):130–133, December 2015. CODEN ???? ISSN 1932-2232 (print), 1932-2240 (electronic).

WalnutCreek:1997:PA

[Wal97] Walnut Creek. The Python archive. CD ROM., June 1997. US$39.95. URL `http://www.cdrom.com/titles/prog/python.htm`. Includes precompiled versions of Python for: AIX, BeOS, BSDI, Digital Unix (DEC OSF/1), DGUX, FreeBSD, HPUX, IRIX, Linux, Mac OS, OpenVMS (alpha and VAX), OS/2 (emx), RS6000, SCO, Sequent PTS, SGI IRIX, Solaris x86, Sparc/Solaris, Sparc/SunOS, Ultrix, VMS/VAX, and Windows 95/NT.

Walerowski:2007:PSV

[Wal07] Peter Walerowski, editor. *Python: 5 Stunden Video-Training: PC, Mac und TV*, volume 6080 of

Video2Brain; Addison-Wesley; Open source library. Addison-Wesley, Reading, MA, USA, 2007. ISBN 3-8273-6080-3. LCCN ???? EUR 49.95. One DVD.

Watters:1995:TAN

[Wat95] Aaron R. Watters. Tutorial article no. 005: The what, why, who, and where of Python. *UnixWorld Online*, ??(??):??, ???? 1995. URL `http://www.wcmh.com/uworld/archives/95/tutorial/005.html`.

Weigend:2006:OPP

[Wei06a] Michael Weigend. *Objektorientierte Programmierung mit Python: [Klassen, Objekte, Vererbung und Polymorphie praktisch angewendet; XML, GUI-Programmierung, Threads und CGI-Scripting; Übungen mit Musterlösungen zu jedem Kapitel]*. Programmierung. mitp, Bonn, Germany, third edition, 2006. ISBN 3-8266-1660-X. 700 pp. LCCN ???? EUR 36.95. URL `http://www.gbv.de/dms/ilmenau/toc/510475221.PDF`.

Weigend:2006:PGP

[Wei06b] Michael Weigend. *Python GePackt: [schneller Zugriff auf Module, Klassen und Funktionen; XML, Tkinter, Datenbanken, Internet-Programmierung; objektorientierte Programmierung und New-Style-Klassen]*. GePackte Referenz. mitp, Heidelberg, Germany, third edition, 2006. ISBN 3-8266-1659-6. 618 pp. LCCN ???? EUR 17.95. URL `http://www.gbv.de/dms/bsz/toc/bsz254799760inh.pdf`.

Weigend:2009:OPP

[Wei09] Michael Weigend. *Objektorientierte Programmierung mit Python 3.0*. mitp bei Redline. REDLINE, Heidelberg, Neckar, Germany, fourth edition, 2009. ISBN 3-8266-1750-9. 752 pp. LCCN ???? EUR 39.95.

Weiming:2015:MPF

[Wei15] James Ma Weiming. *Mastering Python for finance: understand, design, and implement state-of-the-art mathematical and statistical applications used in finance with Python*. Community Experience Distilled. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78439-451-3. xv + 312 pp. LCCN ????

Weppner:2015:DPS

[Wep15] Stephen Weppner. A different perspective on scientific programming [review of "Annotated algorithms in Python; with applications in physics, biology, and finance' (Di Pierro, M.; 2013)]. *Computing in Science and Engineering*, 17(1):6–7, January/February 2015. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic). URL `http://csdl.computer.org/csdl/mags/cs/2015/01/mcs2015010006.pdf`.

Westra:2015:PGA

[Wes15] Erik Westra. *Python geospatial analysis essentials: process,*

analyze, and display geospatial data using Python libraries and related tools. Community experience distilled. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78355-389-8, 1-78217-451-6. ume pp. LCCN QA76.73.P98. URL `http://proquest.safaribooksonline.com/?fpi=9781782174516`.

Willison:1997:BEP

[Wil97a] Frank Willison. Bleeding edge: Python: It's not just for laughs. *Web Review*, ??(??):??, January 3, 1997. URL `http://webreview.com/wr/pub/Willison_Frank`.

Wilson:1997:PBP

[Wil97b] Gregory V. Wilson. Programmer's bookshelf: Perusing the bookshelf. *Dr. Dobb's Journal of Software Tools*, 22(11):125, 127, November 1997. CODEN DDJOEB. ISSN 1044-789X.

Wilson:2000:PBP

[Wil00] Gregory V. Wilson. Programmer's bookshelf: Python, C++, and other religions. *Dr. Dobb's Journal of Software Tools*, 25 (8):145–147, August 2000. CODEN DDJOEB. ISSN 1044-789X.

Wilson:2001:PBT

[Wil01] Gregory V. Wilson. Programmer's bookshelf: Time warps. *Dr. Dobb's Journal of Software Tools*, 26(2):159–160, February 2001. CODEN DDJOEB. ISSN 1044-789X. URL `http://www.ddj.com/`.

Wilson:2002:PBS

[Wil02] Gregory V. Wilson. Programmer's bookshelf: Sometimes you get what you want. *Dr. Dobb's Journal of Software Tools*, 27(2):107–170, February 2002. CODEN DDJOEB. ISSN 1044-789X. URL `http://www.ddj.com/`.

Wilson:2005:DCS

[Wil05] Greg Wilson. *Data crunching: solve everyday problems using Java, Python and more*. The pragmatic programmers. Pragmatic Bookshelf, Raleigh, NC, USA, 2005. ISBN 0-9745140-7-1. viii + 193 pp. LCCN QA63 .W55 2005.

Wimmer:2012:AEN

[Wim12] M. Wimmer. Algorithm 923: Efficient numerical computation of the Pfaffian for dense and banded skew-symmetric matrices. *ACM Transactions on Mathematical Software*, 38(4): 30:1–30:??, August 2012. CODEN ACMSCU. ISSN 0098-3500 (print), 1557-7295 (electronic).

Wittek:2015:ANS

[Wit15] Peter Wittek. Algorithm 950: Ncpol2sdpa — sparse semidefinite programming relaxations for polynomial optimization problems of noncommuting variables. *ACM Transactions on Mathematical Software*, 41(3): 21:1–21:??, June 2015. CODEN ACMSCU. ISSN 0098-

3500 (print), 1557-7295 (electronic).

Wilbers:2012:IJT

[WMA12] Ilmar M. Wilbers, Kent-Andre Mardal, and Martin S. Alnæs. Instant: just-in-time compilation of C/C++ in Python. In Logg et al. [LMW12], pages 257–272. CODEN LNCSA6. ISBN 3-642-23098-9 (print), 3-642-23099-7 (e-book). ISSN 1439-7358. LCCN ???? URL `http://link.springer.com/content/pdf/10.1007/978-3-642-23099-8_14`. The software developed by the FEniCS Project is free for all to use and modify (licensed under the GNU (L)GPL), and so is this book.

Williamson:2014:PPP

[WO14] Todd Williamson and Ronald A. Olsson. PySy: a Python package for enhanced concurrent programming. *Concurrency and Computation: Practice and Experience*, 26(2):309–335, February 2014. CODEN CCPEBO. ISSN 1532-0626 (print), 1532-0634 (electronic).

Wu:2013:HSC

[Wu13] Youfeng Wu. HW/SW co-designed acceleration of dynamic languages. *ACM SIGPLAN Notices*, 48(5):1–2, May 2013. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Watters:1996:IPP

[WvA96] Aaron Watters, Guido van Rossum, and James C. Ahlstrom. *Internet programming with Python*. M&T Books, M&T Publishing, Inc., 501 Galveston Drive, Redwood City, CA 94063, USA, 1996. ISBN 1-55851-484-8. xviii + 477 pp. LCCN QA76.73.P98 W38 1996. US$34.95. URL `http://www.fsbassociates.com/books/python.htm`.

Xia:2010:CSP

[XMW10] Xiao-Qin Xia, Michael McClelland, and Yipeng Wang. Code snippet: `PypeR`, a Python package for using R in Python. *Journal of Statistical Software*, 35(CS-2):??, July 2010. CODEN JSSOBK. ISSN 1548-7660. URL `http://www.jstatsoft.org/v35/c02`.

Yan:2014:PFB

[Yan14] Yuxing Yan. *Python for finance: build real-life Python applications for quantitative finance and financial engineering*. Community experience distilled. Packt Publishing, Birmingham, UK, 2014. ISBN 1-78328-438-2, 1-78328-437-4. ix + 386 pp. LCCN QA76.73.P98 Y36 2014.

Yesylevskyy:2015:SNU

[Yes15] Semen O. Yesylevskyy. Software news and updates: Pteros 2.0: Evolution of the fast parallel molecular analysis library for C++ and Python. *Journal*

of Computational Chemistry, 36 (19):1480–1488, July 15, 2015. CODEN JCCHDD. ISSN 0192-8651 (print), 1096-987X (electronic).

Yang:1998:SOO

[YFD98] T.-Y. Brian Yang, Geoffrey Furnish, and Paul F. Dubois. Steering object-oriented scientific computations. In Ege et al. [ESM98], pages 112–119. ISBN 0-8186-8383-X. LCCN ???? IEEE catalog number 97TB100221.

Yang:2016:PDI

[YHA+16] Jean Yang, Travis Hance, Thomas H. Austin, Armando Solar-Lezama, Cormac Flanagan, and Stephen Chong. Precise, dynamic information flow for database-backed applications. *ACM SIGPLAN Notices*, 51(6):631–647, June 2016. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Younker:2008:FAP

[You08] Jeff Younker. *Foundations of agile Python development: [Python, agile project methods, and a comprehensive open source tool chain!]*. The expert's voice in open source. Apress, Berkeley, CA, USA, 2008. ISBN 1-59059-981-0. xxi + 393 pp. LCCN QA76.73.P98.

Yang:2016:VAV

[YPB16] Yuting Yang, Sam Prestwood, and Connelly Barnes. VizGen: accelerating visual computing prototypes in dynamic languages. *ACM Transactions on Graphics*, 35(6):206:1–206:??, November 2016. CODEN ATGRDF. ISSN 0730-0301 (print), 1557-7368 (electronic).

Zaccone:2015:PPP

[Zac15] Giancarlo Zaccone. *Python parallel programming cookbook: master efficient parallel programming to build powerful applications using Python*. Quick answers to common problems. Packt Publishing, Birmingham, UK, 2015. ISBN 1-78528-958-6, 1-78528-672-2. 286 (est.) pp. LCCN QA76.73.P98. URL `http://proquest.safaribooksonline.com/?fpi=9781785289583`.

Zhou:1997:CCJ

[Zho97] Ling Zhou. A comparison of C++, Java and Python. Thesis (m.s.), Department of Computer Science, Texas A&M University, College Station, TX, USA, 1997. vi + 44 pp.

Ziade:2006:PP

[Zia06] Tarek Ziadé. *Programmation Python*. Eyrolles, Paris, France, 2006. ISBN 2-212-11677-2. xxxviii + 537 pp. LCCN ????

Ziade:2008:EPP

[ZKB+08] Tarek Ziadé, Paul Kennedy, Shannon Behrens, Wendy Langer, and Siddharth Mangarole. *Expert Python programming:*

learn best practices to designing, coding, and distributing your Python software. Packt Publishing, Birmingham, UK, 2008. ISBN 1-84719-494-X, 1-84719-495-8 (e-book). LCCN A76.73.P98 Z53 2008. URL `http://proquest.safaribooksonline.com/9781847194947`.

Zhang:2014:AIO

[ZLBF14] Wei Zhang, Per Larsen, Stefan Brunthaler, and Michael Franz. Accelerating iterators in optimizing AST interpreters. *ACM SIGPLAN Notices*, 49(10):727–743, October 2014. CODEN SINODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

Zukowski:1997:ISU

[Zuk97] Monty Zukowski. Implementing a selective undo framework in Python. In Anonymous [Ano97b], pages 69–75. ISBN ???? LCCN ???? URL `http://www.python.org/workshops/1997-10/proceedings/zukowski.html`.