

A Complete Bibliography of Publications in *SoftwareX*

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/>

02 June 2022
Version 1.08

Title word cross-reference

1 [PO19]. 1.5 [SAA18]. 2
[BBF⁺19, DEV⁺21, EHGPT19, Elk22,
KDHG20, KPN⁺18, MASB18, MBI20,
Ozb17, RDO⁺19, THT20, ZRK19]. 3
[AT22, Arc20, BB20a, CC20, HS20, IIS18,
LCMD⁺18, LMS⁺16, MBC22, MLTF⁺18,
Ozb17, Ras20, RDO⁺19, SB21, THT20,
Zek17]. 4
[BFSJP⁺21, KPN⁺18, PTT20, Zek17]. ++
[SLBC⁺20]. ² [MCC20]. β [WBS21]. F
[JS19]. l_1 [YC19]. l_2 [YC19]. μ
[CBHLG21, OAF20]. q [BHHÖ22].
UnBlocks^{gen} [Ras20].

-amino [WBS21]. -d [CC20, PO19, Zek17].
-dimensional [Elk22]. -peptide [WBS21].
-PM [PTT20]. -signature [JS19]. -space

[BHHÖ22]. -strategy [Arc20, IIS18].

.STL [AISM21]. .STL-based [AISM21].

1.0 [Ars21, MP20]. 11p [CPUARC20]. 15
[RNK22]. 18 [GCdJAURO21]. 19
[EBGCT21, GPK⁺21].

2 [CCO21, DG21, GPW⁺20, vDPI⁺18]. 2-D
[MBDS20]. 2.0 [BB20a, JHAMF19, RS22].
2019 [Ano19d]. 2020 [Ano20d, Ano20c].
2021 [Ano21a, Ano21f, Ano21h, Ano21g].
2022 [Ano22c, Ano22d]. 2BarG [GLR22].
2D [ANA16, AANA19, Elk22, MFCV20,
MBDS20]. 2D-VSR-Sim [MBDS20].
2D/3D [MFCV20]. 2PJIT [AT22].

3 [Kar21, KF22, MCGK19]. 3-D [Kar21].
3-Tau [KF22]. 32/64 [MG22]. 32/64-bit
[MG22]. 3D [MFCV20]. 3DRSP [BC22]. 3s

[IIS18]. **3TM** [KF22].

64-bit [MG22].

7.1 [BO19].

802.11p [CPUARC20].

9 [KZ18]. **90** [Taq16].

Ab-initio [XSS20, XSC⁺21]. **Abaqus** [GTC21]. **ability** [PZKK21]. **ABMU** [Che21]. **Aboria** [RB17]. **absolute** [MTS⁺18]. **academic** [Kwa19]. **accelerated** [CWLG⁺21, DS20, Nev17]. **accelerators** [RLK18]. **access** [MWJ15, VEM⁺18]. **accessible** [FAM⁺20, BGCS19]. **accident** [AMA19]. **accumulated** [Alb19]. **accurate** [NOÖÇ19, PO19]. **accurately** [AAN17]. **acid** [WBS21]. **Acme** [SB21]. **ACORNS** [DSJ⁺22]. **acoustic** [LEFSO20, SWK19, SA17]. **ACPYPE** [BFRK19]. **Acquisition** [CWM⁺21a, BHB⁺21, PS19a, Sur20, UdL20]. **acquisitions** [ADSG⁺20]. **activity** [ACNF22, Has18]. **Actual** [BS19]. **actuator** [CCBC⁺21]. **Adaptable** [GPW⁺20]. **adaptative** [BBB⁺20]. **Adapting** [FWB⁺21]. **Adaptive** [BBJ⁺18, CUSRCP⁺22, RDO⁺19]. **adaptivity** [KBB19]. **additively** [OJ22]. **ADIOS** [GPW⁺20]. **Adjoint** [Bla21]. **Adjoint-Based** [Bla21]. **advanced** [DM19, AAA⁺21, BHB⁺21]. **adversarial** [VDCL20]. **advligorts** [BHB⁺21]. **Aedes** [IDE⁺21]. **aerodynamics** [BGGL20]. **AFF3CT** [CHL⁺19]. **against** [CSZM22]. **AGAT** [RKDP21]. **AgDataBox** [BJM⁺19, MBU⁺19]. **AgDataBox-Map** [MBU⁺19]. **Agent** [Giu19, COGP19, ZR19, Che21, GG21]. **agent-based** [COGP19, ZR19, Che21, GG21]. **aggregation** [VEM⁺18]. **agile** [ASRI22].

agnostic [HR21]. **agricultural** [VEM⁺18, ZTC⁺21]. **agriculture** [BJM⁺19, MBU⁺19]. **agro** [AMC17]. **agro-hydrological** [AMC17]. **AI** [CCO21, Geo17, NSO21]. **aid** [KHM⁺22]. **aided** [ZRBCI20]. **ALBOMAUURICE** [IDE⁺21]. **albopictus** [IDE⁺21]. **AlfaMCV** [dQRRBdSM20]. **algebra** [Kri22, RV20, LK21]. **algorithm** [AWO⁺21, COG19, KHM⁺22, KPN⁺18, LHCK18, LSMG19, PG18, SEL⁺16, TC20, ZNS17]. **algorithms** [CCFSB20, GCC20, HH21, KPTW19, KBB19, PMMF19, REFB17, SFF⁺19, SUM21, Sil20, SBT22, TS21]. **alignment** [BCA19, MKB⁺18]. **alignments** [TBCG21]. **allele** [HHN20]. **allocation** [ACNF22]. **alphaBetaLab** [MVBF19]. **alteration** [HHN20]. **AMBER** [BFRK19, SHvW20]. **America** [BGCS19]. **amino** [WBS21]. **AMLBID** [GABH22]. **AMPAO** [KAR⁺19]. **amplitude** [JAC20, LBL⁺21]. **Anaerobic** [AS18]. **Analyser** [SBCK17]. **analyses** [BSdG⁺22, MCC20]. **Analysing** [ZTC⁺21]. **Analysis** [EL20, FST⁺21, KAR⁺19, KSFG18, PCC⁺19, UVPB⁺22, AM19, AMA19, AS17, AHR⁺22, ASRI22, ATCA20, BAEBAS19, BID⁺20, Car21, CC20, CMMF19, DM19, DKL⁺21, DTDd19, Elk22, GMF20, GEH19, HT18, HRC20, Jur22, KSS20, KS21, KGK⁺20, KAO⁺21, LSMG19, LCMD⁺18, LLM⁺20, LBL⁺21, MPMC21, MASB18, NK20, OJ22, OLRLB21, Ozb17, PRSS19, PKA⁺22, RLK18, Ras20, RPV⁺20, RMMG21, RSMW20, Rub16, RL19, SGB⁺22, SF16, SBCK17, SGA⁺16, SA20, SCG⁺20, SRML17, SL20b, TJS18, TJS19, VCLS21, WGB16, Web17, Web21, WM21a, WPM⁺20, Wet20, ZWCQ22, tHLMN19, LMN18, Alb15, FPBM18, LFT21, MP20, dSBSD17, ABC⁺20]. **analyte** [AHR⁺22]. **analytic** [NSLD16, MRMD19]. **analytical** [FS19, KPN⁺18, MC18]. **analytics** [MML20]. **Analyze**

[dMOH21, Arc20, ABC⁺20, Fru21, GMNG⁺18, IIS18, LMB⁺19, ZAPS20]. **analyzer** [MTPHH18]. **analyzing** [MK16, PDH16]. **Android** [GLS⁺22, AGVM20, ML20, She19, YLS⁺18]. **ANDURIL** [tHLMN19, LMN18, RtHLMN20]. **ANDURYL** [tHLMN19, RtHLMN20]. **angle** [HDA21, MTPHH18, OLRLB21, SL20b]. **angle-resolved** [SL20b]. **AniLength** [Jun21]. **animated** [IAW⁺15]. **Animation** [CVS19]. **anisotropic** [Alb19, RCT20]. **annotating** [MP17]. **Annotation** [MDG22, CLM⁺20, KZ18, TT17]. **anomalies** [MTS⁺18]. **anomaly** [BSB20]. **Ansible** [DDT20]. **AnsibleMetrics** [DDT20]. **ant** [GCC20]. **antenna** [SDP⁺20]. **anyFish** [IAW⁺15]. **AnyMOD.jl** [Gök21]. **API** [BJM⁺19, BKM22]. **app** [NFASC21, She19]. **Application** [MASB18, O'D21, AL16, CS21, CRF21, CBS⁺16, HBS16, IKYY22, ML20, MAAOZMAM22, OE21, PP19, RSL⁺20, SFF⁺19, YLS⁺18, HHH22]. **application-oriented** [AL16]. **applications** [ABM⁺21, CPV⁺20, DEV⁺21, DZZ⁺22, LMM22, NSO21, RWJ⁺21, SDL21, SCG⁺20]. **apply** [HRC20]. **Applying** [BHHÖ22, HH21]. **approach** [AMVB19, ACO21, DEV⁺21, KZ18, LIZ⁺20, MDL⁺18, SB22, SCPC18, XYC22, dRB⁺20]. **approaches** [BBG⁺19]. **approximant** [LF15]. **apps** [AGVM20]. **arches** [MMCKK21, STC⁺18]. **Architect** [SLPR20]. **architectural** [AI21]. **architecture** [AOGC⁺20, GWK16, JFJM22, SFG21]. **area** [GZ21a, VJA⁺18]. **arguments** [Bat19]. **arithmetic** [Rou19]. **army** [FVA⁺20, SC17]. **arrays** [JM20]. **ART_data_analyzer** [TLDM19]. **article** [Ric19]. **artifact** [ADSG⁺20]. **artificial** [MMS20]. **ASAS** [dSBSD17]. **ASKI** [SF16]. **ASS4HR** [MMS20]. **assess** [HH21, dISVBLdA⁺17]. **assessing** [SCPC18, VDCL20]. **Assessment** [AS18, NSS⁺19, CFA22, FJ22, GPK⁺21, LSB⁺20, SUM21]. **assessments** [VEM⁺18]. **assignments** [CFA22]. **assistant** [MZSH21]. **assisted** [SM19, HKM⁺19]. **astronomical** [SHvW20]. **astrophysics** [MAC⁺21]. **ASVtorch** [LVK21]. **ATM** [GMNG⁺18]. **Atmospheric** [vdOJP⁺20]. **atom** [OT16]. **Atomic** [AGHK21, dSBSD17]. **atomization** [HS20]. **attenuation** [PDTG17]. **AUC** [GZ21a]. **AudExpCreator** [NK18]. **audio** [BCA19, SA17]. **auditory** [NK18]. **Audur** [VJA⁺18]. **auroral** [ZRK21]. **auto** [GABH22, DRM20]. **auto-explained** [GABH22]. **Auto-generation** [DRM20]. **AutoCNet** [LRPD18]. **autocorrelation** [Byk19]. **Automated** [CMMF19, EL17, vKMH⁺20, AD SG⁺20, CdSLCC20, CLM⁺20, GMF20, HGG20, HDA21, SSSH16, GABH22]. **Automatic** [KAR⁺19, SDL21, BPL⁺19, CFA22, HKF⁺20, Jun21, NBCC19, RMM18, MVBF19]. **automatically** [CRP21]. **Automating** [JS19, NGK⁺20, TT17, TLDM19]. **automation** [BLM⁺22]. **Auxiliary** [DK19]. **available** [AFGH22]. **average** [Ras21]. **aware** [TGS⁺19, VC18, OPPZ22]. **aXBRL** [She19]. **axioms** [BKM22]. **axis** [OYW⁺21]. **axisymmetric** [MFQ⁺21]. **azTotMD** [Ras19a, RS22]. **BabelFish** [AVB17]. **Back** [O'D21]. **Back-Gated** [O'D21]. **badcrossbar** [JM20]. **Badlands** [Sal16]. **balance** [ZNS17]. **balanced** [CLK21, RDO⁺19]. **balls** [YC19]. **BAM** [DM19]. **BANSHEE** [PMNWR20]. **bar** [GLR22]. **Base** [YDN21, YD20]. **Based** [Bla21, Giu19, AFGH22, AISM21, AMA19, AANA19, AG21, ACO21, ATT21, AHR⁺22, Bac21, BSdG⁺22, BC22, BWMS22, BCF20, CCBC⁺21, CS21, COGP19, CLDdM22, CPD⁺20, CCFSB20, CCO21, CDOBA22, CWM⁺21b, Dav21, Deg20, Ek16, GLS⁺22,

GZ21b, GZR⁺19, GP22, GZW⁺22, GG21, GMNG⁺18, HOM⁺18, HLR⁺21, HRC20, IZBT21, JZGW22, Jun21, Kar21, Kos22, Krä20, Kur21, LK21, LCMD⁺18, LF15, LSSK16, LYX⁺18, LDAL20, MKB⁺18, ML20, MBDS20, MB21, MBI20, Nai17, NMLM18, NGK⁺20, NK18, PBSB22, PS18a, PS18b, PS18c, PS19b, RJH⁺20, RB17, SF16, SUM21, SKM19, SGA⁺16, SA20, SABEH20, SMR22, SS17, TTT19, UdL20, VDCL20, VJA⁺18, VEM⁺18, VCLS21, YKKD19, ZNS17, ZR19, dISVBLdA⁺17, Che21, FLR22]. **Baseliner** [OHO16]. **basin** [Sal16]. **Bath** [WW17]. **Battery** [HBA⁺20]. **Bayesian** [GdVSdSCM20, Hel22, IKYY22, PMNWR20, STH⁺21, SWCP20, SR17, XYC22]. **BccFccRaycaster** [LMS⁺16]. **BDEsize** [CLK21]. **beaches** [BFDD⁺22]. **beam** [Dan22]. **beams** [DM19]. **beamWeldFoam** [FPI⁺22]. **bed** [GMNG⁺18]. **Bedforms** [GMNG⁺18]. **Bedforms-ATM** [GMNG⁺18]. **BEEP** [HBA⁺20]. **behavior** [IAW⁺15, KH19a, WMM18]. **behavioural** [SDCA19]. **Bembel** [DHK⁺20]. **benchmark** [CC21]. **benchmarking** [AES⁺22, MBF20, PMMF19, REFB17]. **benchmarks** [KPN⁺18, SNW⁺21]. **bends** [RNG⁺21]. **Benopt** [JMT22]. **Benopt-Heat** [JMT22]. **BENs** [WKR⁺20]. **Bessel** [Tak22]. **Best** [Nis20]. **between** [BDPZ19, HTB19, LS16, MP18, Nai17]. **bibliometrics** [RK19]. **BIcenter** [ACO21]. **Big** [GABH22, HL22, Krä20, SKD22, WLP16]. **binary** [RKDP21, ZGZvB19, vDPI⁺18]. **binomial** [SR17]. **bio** [GSP⁺17]. **bio-economic** [GSP⁺17]. **bioenergy** [JMT22]. **biogas** [HKC⁺18]. **bioimage** [GMF20]. **bioinformatics** [KPSM17]. **Biomedical** [HLW⁺16]. **biomolecular** [dRB⁺20]. **bipartite** [KKAUA21]. **Bird** [BGGL20]. **bit** [MG22]. **black** [AGVM20, AGdSC20]. **black-box** [AGVM20, AGdSC20]. **BLASTn** [TBCG21]. **Blaze** [GWK16]. **Blaze-DEMGPU** [GWK16]. **BLNN** [SWCP20]. **block** [MASB18]. **block-in-matrix** [MASB18]. **blood** [GMGG19]. **BLUE** [Nis20]. **blueprints** [DDT20]. **BMIL** [HLW⁺16]. **board** [PS19a, Ano15a, Ano15b, Ano16, Ano17, Ano18, Ano19c, Ano19a, Ano19b, Ano20a, Ano20b, Ano21b, Ano21c, Ano21d, Ano21e, Ano22a, Ano22b]. **bodies** [MP18]. **body** [CCH⁺19, PDTG17]. **body-wave** [PDTG17]. **Boltzmann** [HOM⁺18]. **bond** [BBP⁺18]. **bone** [Kar21]. **Boosting** [NSO21]. **boundary** [DHK⁺20, KAK21]. **bounded** [CK21]. **box** [AGVM20, AGdSC20]. **BOXVIA** [IKYY22]. **BPMN** [OPPZ22]. **Bragg** [PMM16]. **Braid** [MC18]. **Braided** [MC18]. **branch** [GL15]. **breast** [KAO⁺21]. **bridges** [HLG22]. **broader** [HL22]. **broken** [MWM20]. **browser** [Nai17]. **browser-based** [Nai17]. **BuckinghamPy** [KS21]. **buckling** [Ozb17]. **Buhos** [NMLM18]. **build** [FVD20, PMZ21]. **Builder** [Dav21, HESH19, HR21, SDL21, CUSRCP⁺22]. **Building** [RKDP21, BS19, CUSRCP⁺22, GZ21a, GZ21b, MBI20, PMMF19, WBS21, ZRBCI20]. **buildings** [Elk22]. **bursts** [DTDd19]. **business** [AhtH20]. **C** [BC20, CM19, Dan20, DHK⁺20, GMF18, HVB16, Kis20, Kor21, MCC20, MB21, MP18, MMH19, OT16, OE21, SLBC⁺20]. **C#** [MP18]. **C-language** [OT16]. **C/C** [BC20]. **C37.118.2** [AVB17, BFV18]. **C37.118.2-compliant** [AVB17]. **CAD** [CC20]. **CAinterprTools** [Alb15]. **Calc** [PKKQ20]. **calculate** [MWM20]. **calculating** [Alb19, CBS⁺16, KLY21, Ohn21, Ras21, TKLG19]. **calculation** [DSI⁺20, JS19, MGK⁺20, PDTG17, Tak22, WW17]. **Calculations** [XSS20, BBP⁺18, Dan22, KP19, LLM⁺20, RRSK18, TSCH20, XSC⁺21]. **calculator** [KSP19, STC⁺18]. **calibration**

[CAW⁺20, KH19b]. **caloric** [SAA18]. **CAM** [MC18]. **camera** [MLTF⁺18, MKR⁺21]. **cameras** [CAW⁺20]. **CameraTransform** [GRW⁺19]. **cancer** [HHN20]. **capacity** [Zie19]. **captured** [CBHLG21]. **Caratheodory** [BV19]. **cardiac** [NGK⁺20, WDZ⁺20]. **cardiomyocyte** [FG20]. **cardiovascular** [RSL⁺20]. **cards** [HMCA15]. **Care** [CRP21]. **Carlo** [NBS⁺21, BCA19, CCE21, KP19, LNS15, NBM⁺19, vKH20]. **Cartesian** [BDF⁺20]. **CAS** [Rag17]. **case** [AMA19, BGGL20, CNST20]. **cashocs** [Bla21]. **CaTchDes** [BV19]. **categorical** [MLTF⁺18]. **causality** [RMMG21]. **cavities** [Deg20]. **cavity** [dRB⁺20]. **CBE** [TSCH20]. **CCPi** [KPTW19]. **CCPi-Regularisation** [KPTW19]. **cDNA** [KSP19]. **cell** [CLM⁺20, GMGG19, LKSS20, TGS⁺19, WTZ⁺21]. **cells** [CMMF19]. **CemrgApp** [RSL⁺20]. **centric** [SKD22]. **CESSIPy** [CR22]. **CFAR** [NOÖÇ19]. **CFD** [BBB⁺20]. **chain** [CCE21]. **chains** [PO19]. **Change** [STH⁺21, NR16, XYC22, SC17]. **changes** [DL16]. **channel** [DTDd19]. **channels** [CSZM22, RNG⁺21]. **chaotic** [Ben15]. **characteristics** [BO19, Car21]. **characterization** [HDA21, LBH⁺20, RNG⁺21, THT20, UVPB⁺22, WW17]. **characterize** [RAL⁺20]. **checking** [Pos22]. **chemical** [GV20]. **chemistry** [KP19]. **chess** [RL19]. **ChessY** [RL19]. **chlorophyll** [HLR⁺21]. **chromosomal** [HHN20]. **chronostratigraphic** [AS17]. **CIM** [GVAO19]. **CIM-2-mod** [GVAO19]. **Circular** [STC⁺18, Nas20]. **CIRN** [BB20b]. **city** [SUM21, dMOH21]. **civil** [CR22]. **class** [HVB16]. **Classic** [AAN17]. **classical** [MDL⁺18]. **classifiability** [ZWCQ22]. **classification** [ÁG19, ATT21, AGH20, COG19, GZ21a, GZ21b, RLF⁺21, TTT19, YG19, ZGZvB19]. **Clava** [BC20]. **climate** [AFGH22, ABM⁺21, VEM⁺18]. **CLoTH** [CVD21]. **clothing** [HGG20]. **cloud** [KPSM17, Krä20, MGK⁺20]. **cloud-based** [Krä20]. **Cloud2FEM** [CLDdM22]. **clouds** [CLDdM22, HTB19, MIHS21]. **CLUMP** [ANOU21]. **Cluster** [BLE21, ÁG19]. **clustering** [Gag21, KKAUA21, SKD22, TS21]. **clusters** [LHCK18, vDPI⁺18]. **CMIP6** [AFGH22]. **CMIP6-D&A** [AFGH22]. **CNAplot** [HHN20]. **Cnerator** [OE21]. **CNNs** [SH19]. **Co** [TT17, GCP22, PMMF19]. **Co-regulation** [TT17]. **co-simulation** [PMMF19]. **co-simulations** [GCP22]. **Coastal** [BB20b, KP20, CAW⁺20, SP22]. **coda** [PDTG17]. **coda-normalization** [PDTG17]. **CodaNorm** [PDTG17]. **Code** [KSFG18, ABC⁺20, Ars21, BC22, Byk19, CA18, CBLI22, DSJ⁺22, Ek16, GMF18, HMCA15, HR21, IZBT21, KH19a, KDHG20, KRB⁺20, LFR⁺20, MPMC21, MB21, NSLD16, OE21, Rag17, RMM18, SEL⁺16, SS17, TACH17, WMM18, YG19, dSBS17, ANOU21, DDT20, RMM18]. **codegen** [MB21]. **codes** [ABC⁺20, BV19, DK19, KBB19, SF16]. **coding** [KSFG18, TDG19]. **coefficient** [JAC21]. **coefficients** [Hel22]. **COFFEE** [DFSW19]. **coherent** [DKL⁺21]. **cohesive** [ZRK19]. **coils** [MFQ⁺21]. **cold** [MTPHH18]. **cold-neutron** [MTPHH18]. **Collaboration** [HTB19]. **collaborative** [ACO21]. **collapse** [STC⁺18]. **collecting** [YLS⁺18]. **collection** [Bat19]. **collective** [Arc20]. **colony** [GCC20]. **colored** [DI22]. **combine** [PZKK21]. **Combining** [Nis20]. **Comfort** [TSCH20, BDQ⁺22, TS20]. **Command** [CC20, CWM⁺21a]. **common** [AFGH22]. **Communication** [TDG19, GPK⁺21, ML20, PTT20]. **community** [KHM⁺22]. **COMP** [BCD⁺15]. **companion** [SOS19]. **Comparison** [O'D21, SA17]. **compatible** [MBY22, ROMH22]. **compilation** [BC20, PI17]. **compiled** [GMF18].

compiler [NBCC19]. **compilers** [NBCC19]. **complete** [ABB⁺19, UdL20]. **complex** [AZ17, Dan22, NBM⁺19, NBS⁺21, NSO21, SAC⁺21, TC20, WM21b]. **compliant** [AVB17, BFV18, Ek16, VBA⁺16]. **components** [DW21]. **composite** [MC18]. **composites** [ZRK19]. **composition** [BWMS22]. **composition-structure** [BWMS22]. **Compound** [dlSVBLdA⁺17]. **comprehensive** [BBP⁺18, LSOM18, MBC22, SR17]. **compressible** [GP22]. **compression** [SGA⁺16]. **compressively** [SOS19]. **CompSim** [AZ17]. **compuGUT** [ME17]. **computable** [IIS18]. **computation** [Bat19, Gir21, Kul20, OC20]. **Computational** [BBD⁺18, Bla21, SCG⁺20, dSBS17, AGHK21, LLK⁺20, MBI20, RLK18, RSMW20]. **Computationally** [SL21]. **computations** [SR17, TLDM19]. **compute** [ABB⁺19, BO19, HLP⁺19, KH19a, KDHG20, CC21]. **computed** [KPTW19, PFC⁺18]. **computer** [Dan22, MTS⁺18, NIY16, RSL⁺20, ZRBCI20, MML20, RLN21]. **computer-aided** [ZRBCI20]. **computers** [PBL⁺21]. **Computing** [MWJ15, HKM⁺19, JM20, MDL⁺18, Nas20, PS19c, SAA18]. **concrete** [dQRRBdSM20]. **conduct** [GSP⁺17]. **configuration** [VC18]. **confocal** [DN17]. **ConfocalGN** [DN17]. **conformal** [Nas20]. **conic** [COG19]. **connected** [LHCK18, Nas20]. **Connecting** [BSVP20]. **Connectivity** [MCC20]. **connector** [PPBZ21]. **Conservation** [BGCS19]. **constant** [Ras19a]. **constraint** [TSMT19]. **constraints** [BHHÖ22]. **construction** [KKN⁺22]. **constructivist** [Geo17]. **contact** [OLRLB21]. **container** [MFCSÁM20]. **containerized** [KPSM17]. **contaminant** [FHA17]. **ContHeart** [FG20]. **Contiki** [ODE⁺22]. **Contiki-NG** [ODE⁺22]. **continuation** [NSLD16]. **continuum** [RAS19b]. **Contour** [RSMW20, HLP⁺19]. **contrast** [TGS⁺19]. **Control** [Bla21, AISM21, BST⁺17, BE20, BHB⁺21, CRF21, KKN⁺22, PMMF19, VJA⁺18]. **controlled** [OE21]. **convection** [AG21]. **Conversion** [BFRK19, DBJ19, Nai17]. **Convex** [CCBC⁺21, CK21, MP18]. **coordinates** [AT22]. **coordination** [Amo21]. **coppeCosenzaR** [TCPC22]. **CoppeliaSim** [BSVP20]. **copula** [Cob21]. **copy** [HHN20]. **core** [HOM⁺18]. **corporate** [LPR21]. **corpus** [Kwa19]. **Correction** [CHL⁺19, SY20]. **corrections** [GRW⁺19]. **correlated** [Nis20]. **Correlation** [DEV⁺21, GCdJAURO21, LZN21, OAF20, PR19, TACH17, UVPB⁺22, CWLG⁺21]. **correspondence** [LRPD18, Alb15]. **Corrigendum** [RNK22]. **cost** [Alb19, DEV⁺21, REFB17, SP22]. **cost-surfaces** [Alb19]. **costly** [AL16]. **Couette** [LFR⁺20]. **country** [PP19]. **coupled** [PRSS19]. **coupler** [VRG19]. **Coupling** [RDH⁺21, HS20]. **covariate** [ACNF22]. **coverage** [KSP19]. **covert** [CSZM22]. **COVID** [EBGCT21, GPK⁺21]. **COVID-19** [EBGCT21, GPK⁺21]. **Covira** [GPK⁺21]. **CoZ** [AKM20]. **cp** [Zie19]. **cp-tools** [Zie19]. **CPL1.0** [DK19]. **crack** [DRPS21, SS17, ZWM21]. **CrackDect** [DRPS21]. **CRAPPY** [CWM⁺21a]. **crawling** [KF17]. **creating** [Gök21, NK18, PAK22]. **creation** [LCMD⁺18]. **creativity** [AOGC⁺20]. **creativity-stimulating** [AOGC⁺20]. **Creator** [BS19]. **CRISPR** [KSP19]. **CristalX** [CWM⁺21b]. **criteria** [AMA19, PZKK21]. **crop** [AMC17]. **Cross** [AZ17, CPV⁺20, Ohn21, PR19, Zhu15]. **cross-correlation** [PR19]. **cross-platform** [CPV⁺20, Zhu15]. **crossbar** [JM20]. **crossplatform** [CC21]. **crowd** [AKM20]. **crowd-powered** [AKM20]. **crystalline** [Zie19]. **CSM** [dARPH⁺19]. **CSSIAR** [dlSVBLdA⁺17]. **CSTNU** [Pos22]. **CT**

[KPN⁺18]. **CU** [CCE21, WKR⁺20]. **CU-BENs** [WKR⁺20]. **CU-MSDSp** [CCE21]. **CUDA** [GÓ19, RS22, TCH⁺22]. **CulSim** [Ull16]. **cultural** [Ull16]. **curating** [WTZ⁺21]. **Current** [BBJ⁺18]. **currents** [JM20]. **curvature** [DM19]. **curve** [GZ21a, MKB⁺18, PI17]. **curves** [MM16, PDH16]. **cuSten** [GÓ19]. **CUSTOMHyS** [CDAOB⁺20]. **customising** [CDAOB⁺20]. **cyberGIS** [WLP16]. **CycFlowDec** [BS21]. **cycle** [SEL⁺16]. **cycles** [BS21]. **cylindrical** [AT22]. **cytometry** [AAL⁺22].

D

[BB20a, BBF⁺19, DEV⁺21, KPN⁺18, CC20, AT22, BFSJP⁺21, EHGPT19, HS20, Kar21, KDHG20, KPN⁺18, LCMD⁺18, LMS⁺16, MBC22, MLTF⁺18, MBDS20, MASB18, MBI20, Ozb17, PO19, Ras20, RDO⁺19, SAA18, SB21, THT20, ZRK19, Zek17]. **D&A** [AFGH22]. **D-coupling** [HS20]. **damage** [MD19]. **dashboards** [RLN21]. **DASP** [BBJ⁺18]. **Data** [DZZ⁺22, PCL22, SB22, AAA⁺21, AFGH22, ASAA20, AMA19, AVB17, ÁG19, ATT21, BFV18, BJM⁺19, BHE⁺19, BS19, BST⁺17, BBG⁺19, BAEBAS19, BE20, BHB⁺21, BBF⁺19, CSK19, CSZM22, CdSLCC20, CBS⁺16, DRM20, DAB⁺19, DKL⁺21, FRdN21, FSL16, GPW⁺20, GEH19, HHH22, HH21, HDA21, HT18, HL22, KPM⁺22, KBB19, Krä20, KGK⁺20, Kul20, LMB⁺19, LEFSO20, LBT⁺21, LRPD18, LIZ⁺20, LF15, LMS⁺16, LBH⁺20, MLTF⁺18, MTPHH18, MMG19, NKHZ21, NM20, OHO16, OLRLB21, PI17, Rub16, STH⁺21, SKD22, SKM19, SGA⁺16, SA20, SDCA19, SC19, SH19, Sur20, ST21, TBCG21, TTT19, UdL20, VCLS21, WLP16, WGB16, Web17, Web21, Wet20, YLS⁺18, ASAA20, GABH22, HHH22, TT17]. **data-centric** [SKD22]. **data-driven** [BE20, STH⁺21]. **database** [AMVB19, FHB⁺21, HESH19, TT17].

dataflow [SCG⁺20]. **dataset** [PMP16, SDL21, SMR22, ZWM21]. **datasets** [FAM⁺20, GZ21a, GZ21b, MGK⁺20, NSO21, PAK22]. **DBH** [MIHS21]. **DCEM** [SKD22]. **DDRS4PALS** [PS19a]. **deal.II** [SGBH18]. **deal2lkit** [SGBH18]. **December** [Ano19d, Ano20d, Ano21a]. **decision** [AMA19, DW20, MFCSÁM20, MMS21, PZKK21, TCPC22]. **DecisionMaster** [PZKK21]. **Decisions** [tHLMN19, LMN18]. **decoding** [ZVP22]. **DECOLib** [DW21]. **decomposing** [BS21]. **decomposition** [DSI⁺20, DW21, NM20]. **Deconvolution** [YC19]. **Decremental** [LHCK18]. **Deep** [ALRM21, FVA⁺20, SFF⁺19, Jun21, LVK21, MP17, vKMH⁺20, FLR22]. **deep-sea** [MP17]. **Deep-water** [FVA⁺20]. **defect** [PAK22]. **DeFinetti** [Arc20]. **deformable** [HGS17]. **deformations** [MD19]. **DEIP** [Tru18]. **delay** [KKN⁺22, PR19]. **delayed** [RMMG21]. **delineation** [PNL⁺21]. **delivery** [KPSM17]. **DEMGPU** [GWK16]. **DENSER** [ALRM21]. **densities** [DRPS21]. **densitometric** [PFC⁺18]. **density** [FJ22, FS19, FPI⁺22, LSOM18, LF15, SBCK17, SLWS⁺17]. **density-functional** [SLWS⁺17]. **dependent** [Alb19, RS22]. **depth** [HHN20, MBY22, RPV⁺20]. **derivatives** [Tak22]. **derived** [ZAPS20]. **describe** [BKM22]. **deserialization** [DRM20]. **Design** [BMR17, KP20, AL16, CLK21, DBJ19, EL17, Fru21, HA19]. **Designer** [YDN21, YD20]. **designing** [NK18]. **Designs** [BV19]. **detailed** [SEL⁺16]. **Detecting** [DRPS21, MIHS21, PP19]. **Detection** [Fra22, BSB20, LZN21, LIZ⁺20, NOÖÇ19, RMMG21, SHvW20, SNHS20, XYC22, ZWM21, dRB⁺20, STH⁺21]. **detector** [PS18a, PS18b, PS18c, PS19b]. **detector-output** [PS18a, PS18b, PS18c, PS19b]. **detectors** [NIY16, RAL⁺20]. **deterioration** [HLG22].

determination [CLK21]. **determine** [MAAOZMAM22]. **determining** [AAN17, DSI⁺20, MMCKK21]. **deterministic** [MKU22, MMS21]. **Development** [dQRRBdSM20, SFF⁺19, ASRI22, Bjö19, Ek16, SUM21]. **developments** [LSOM18]. **device** [BLM⁺22]. **devices** [HSMF22, ODE⁺22, Sur20]. **DEVSimPy** [CS21]. **DEVSimPy-mob** [CS21]. **DfAnalyzer** [SCG⁺20]. **diagnosis** [CPD⁺20, CPD⁺20]. **diagonalization** [Kri22]. **Diary** [RMM18]. **DIC** [DEV⁺21, OAF20]. **DICOM** [JFJM22]. **dielectric** [MPAK19]. **DIETERpy** [GMKRS21]. **difference** [GÓ19]. **different** [BDPZ19, PZKK21]. **differential** [DFSW19, TTT19]. **diffraction** [Nev17]. **diffraction** [DBJ19]. **diffusion** [AG21]. **Digestion** [AS18]. **Digital** [DEV⁺21, AAL⁺22, AI21, BHB⁺21, OAF20, OYW⁺21, PMZ21, TACH17, ZRBCI20, CWLG⁺21]. **digital-twin-building** [ZRBCI20]. **dimensional** [AI21, Elk22, KS21, LKSS20, MP18, PFC⁺18, RRS18, SA20, SL21, ZAPS20, ZNS17]. **dimensionality** [GMNG⁺18]. **dimensions** [BC22]. **direct** [BE20, LFR⁺20]. **directed** [BMBR21]. **directional** [TKLG19]. **discontinuous** [CBLI22, SWK19, Tru18]. **discovering** [SAC⁺21]. **Discovery** [CKM21, CCC⁺21, LBH⁺20]. **Discrete** [HGS17, CS21, CNST20, DW21, KDHG20, LS16]. **discrete-event** [CS21]. **diseases** [SB22]. **Dispatch** [GMKRS21]. **dispatching** [Bac21]. **dissipation** [OHO16]. **distance** [MP18]. **distances** [LS16]. **distributed** [HT18, MGK⁺20, MWJ15]. **distribution** [Byk19, EL17, LS16]. **Distributions** [BO19, Fru21]. **districts** [SUM21]. **diversity** [Ull16]. **DIAE** [SFF⁺19]. **DLTPulseGenerator** [PS18a, PS18b, PS18c, PS19b]. **DM** [AMA19]. **DM-MCDA** [AMA19]. **DNA** [HM22, KSFG18]. **DNN** [FLR22]. **DNN-Tuner** [FLR22]. **docking** [RJH⁺20]. **document** [IIS18, AI21]. **documentation** [RMM18]. **documents** [AI21, She19]. **Domain** [MT19, BCR⁺18, HSMF22, Kri22, VRBM16]. **domain-specific** [Kri22]. **domains** [Nas20]. **Dominican** [BGCS19]. **dotCall64** [GMF18]. **double** [JSB20]. **download** [HM22]. **Downloader** [PMP16]. **downloading** [PMP16]. **DPCLUSBO** [KKAUA21]. **DPsim** [MVRM19]. **DQSEGDB** [FHB⁺21]. **drafting** [HGG20]. **drift** [BSG20]. **driven** [BE20, NR16, STH⁺21, SL20a, SB22]. **Drop** [CFA22]. **DropPy** [OLRLB21]. **DRS4** [PS19a]. **DRT** [DZZ⁺22]. **drug** [LIZ⁺20]. **DSSAT** [dARPH⁺19]. **DSSAT-CSM** [dARPH⁺19]. **due** [PRSS19]. **Duenna** [HBS16]. **Durham** [BBJ⁺18]. **during** [Dan20, JAC21]. **Dutch** [vdOJP⁺20]. **Dymium** [SR20]. **Dynamic** [MMS21, AES⁺22, AS17, CA18, GZR⁺19, LHCK18, MKU22, MVRM19, SAA18]. **dynamical** [Dan22, KHG21, PKA⁺22]. **dynamics** [AMC17, Arc20, Ben15, GP22, IIS18, KMK⁺21, iNKN⁺20, OT16, PBL⁺21, Ras19a, RS22, RWJ⁺21, Sal16, SFK⁺19, VRG19]. **DynaProg** [MMS21]. **Dyssel** [SDH20]. **eadf** [SDP⁺20]. **EaRL** [EL20]. **Early** [HBA⁺20]. **Earth** [ZRK21]. **Earthquake** [EL20, AANA19, ÁG19]. **Eastman** [DK19, RE22]. **easy** [CA18, DSJ⁺22, EPF⁺22, PMP16]. **easy-to-use** [CA18, DSJ⁺22]. **EasyEIS** [BDSC22]. **ECG** [PNL⁺21]. **ECGdeli** [PNL⁺21]. **Eclipse** [BBD⁺18]. **Economic** [AS18, GSP⁺17, JMT22]. **Economies** [Giu19]. **Ecopath** [SSSH16, SCPC18]. **Ecosampler** [SCPC18]. **Ecosim** [SSSH16, SCPC18]. **ecosystem** [CCO21]. **Eddy** [vdOJP⁺20]. **Eddylicious** [ML18].

edgar [LPR21]. **editor** [OPPZ22].
Editorial [SWK15, Ano15a, Ano15b, Ano16, Ano17, Ano18, Ano19c, Ano19a, Ano19b, Ano20a, Ano20b, Ano21b, Ano21c, Ano21d, Ano21e, Ano22a, Ano22b]. **education** [WLP16]. **educational** [GP22]. **EEG** [DZZ⁺22, CGHGRB21, DZZ⁺22, ZVP22]. **EEG/MEG** [ZVP22]. **eeglib** [CGHGRB21].
effect [HLG22, JAC21, O'D21, WW17, O'D21]. **effective** [BDPZ19, KDHG20]. **effects** [Kul20, SAA18]. **Efficient** [BO19, GKM20, Hel22, KBB19, Ars21, CLK21, GMF18, LIZ⁺20, SL18, SL21, TKLG19, WSK22]. **Efficiently** [WTZ⁺21]. **Effusion** [CRF21]. **Eigenpairs** [AGH20]. **EKF** [PG18]. **EKF-AUS-NL** [PG18]. **elastic** [RCT20]. **elasticity** [SBL19]. **ElasticMatrix** [RCT20]. **elastomers** [MD19]. **electric** [DHK⁺20]. **Electrical** [LYX⁺18]. **Electricity** [PZ22, WM21a]. **electrochemical** [BDSC22, VCLS21]. **electroglottogram** [TJS18, TJS19]. **electromagnetics** [VRG19]. **Electron** [SC19, SBCK17, vKH20]. **electron-matter** [vKH20]. **electronic** [MB21, RRSK18]. **electronics** [JZGW22]. **Element** [MP20, CLDdM22, DHK⁺20, HGS17, MMH19, PMM16, RNK21, RNK22, Tru18, WKR⁺20, ZRK19, ZMS18]. **elements** [DBJ19, GTC21, MMH19]. **Elfun18** [Bat19]. **elliptic** [Bat19]. **Elmer** [VRG19]. **embedded** [OT16, ZRK19]. **embedding** [MLD22]. **emergence** [Ull16]. **EmiR** [PS22]. **emphasis** [VEM⁺18]. **EMPIRE** [BSdG⁺22]. **empirical** [BBP⁺18]. **employing** [RSMW20]. **EMulatOr** [VDP⁺19]. **enable** [CAW⁺20]. **enabled** [TGS⁺19]. **Enabling** [PFC⁺18, PGA⁺20]. **endemism** [GL15]. **Endogenous** [GMKRS21]. **Energy** [LFT21, BSdG⁺22, BBP⁺18, BS19, FS19, FPI⁺22, Gök21, GCP22, MWM20, MTPHH18, SUM21, SO21, WM21b, ZNS17, HSMF22]. **energysim** [GCP22]. **Engine** [HKM⁺19, GLS⁺22, GVAO19, SFF⁺19]. **Engineering** [BFF⁺21, SCG⁺20, AANA19, CR22, NSS⁺19, ZRBCI20]. **ennemi** [LZN21]. **ensemble** [KOC21]. **ENTIRETY** [HSMF22]. **entities** [ST21]. **entropy** [BDPZ19, GZ21b, KHG21, SR19]. **entropy-based** [GZ21b]. **Environment** [AGHK21, BFF⁺21, LMB⁺19, LKSS20, SDCA19, BBD⁺18]. **environmental** [CBHLG21, HLP⁺19]. **environments** [Cha17, KPSM17]. **EOF** [VRG19]. **EOF-Library** [VRG19]. **epitaxial** [Dan20]. **EPT** [KOC21]. **EQP** [MFCV20]. **equation** [DHK⁺20, KSS20, Kor21, MD21, SWK19, TTT19]. **equations** [AG21, DFSW19, KPOD16, SL18]. **equilibria** [NBM⁺19, NBS⁺21]. **equilibrium** [SP19]. **era** [WLP16]. **erasure** [Ars21]. **eRDF** [SBCK17]. **Ergo** [RRSK18]. **ergodicity** [MWM20]. **Error** [CHL⁺19, PG18]. **ESP3** [LEFSO20]. **estate** [HESH19]. **estimate** [CCFSB20, Nis20]. **estimates** [Nis20]. **estimating** [HLG22, KSP19, MIHS21]. **Estimation** [HR21, FJ22, FRdN21, JAC21, KHG21, MVBf19, VBA⁺16, ZTC⁺21, BL16]. **ETCAL** [KH19b]. **ethnicity** [Xie22]. **ETL** [ACO21]. **Euclidean** [Kis20]. **Europe** [PZ22]. **EvalNE** [MLD22]. **evaluating** [AES⁺22, FHA17, RKDP21]. **Evaluation** [GMKRS21, HBA⁺20, LMN⁺20, CGS19, GSP⁺17, GTG21, HL22, MLD22, MBC22, MPAK19, PS19a, Zaj20]. **event** [CS21, CNST20, LSSK16, MML20]. **event-based** [LSSK16]. **events** [LS16]. **EvoDyn** [IIS18]. **EvoDyn-3s** [IIS18]. **Evolution** [TTT19, DFSW19, Kor21, TLDM19, ATT21]. **Evolutionary** [ALRM21, IIS18, PS22]. **Evoplex** [COGP19]. **exact** [Kar21, Kri22]. **excitations** [Taq16]. **excited** [KLY21]. **Executable** [BKM21, IKYY22]. **execution** [DM20]. **exfiltration** [CSZM22]. **existing**

[CLDdM22, CAW⁺20]. **existing/historical** [CLDdM22]. **exome** [CdSLCC20]. **Expansion** [RAL22, BBB21, TC20]. **Expectation** [SKD22]. **experiment** [BST⁺17, WGB16, Web17, Web21]. **experimental** [BHE⁺19, CWM⁺21a, HBS16, MKR⁺21]. **experimentally** [CWM⁺21b, PKA⁺22]. **experiments** [CLK21, NK18]. **expert** [tHLMN19, LMN18, YD20, YDN21]. **explainable** [PDS⁺22]. **explained** [GABH22]. **explicit** [BSG20, ZR19]. **exploration** [AI21]. **explore** [KSFG18]. **Explorer.py** [WM21b]. **Exploring** [SB22]. **exponential** [Byk19]. **exposure** [BSG20]. **expression** [CPD⁺20]. **extendable** [KH19b, PPBZ21]. **extending** [IA17]. **Extensible** [Giu19, KPOD16, BFV18, VBA⁺16, JZGW22]. **extension** [WBS21]. **extents** [GL15]. **external** [JAC21, SF16]. **externalities** [PS19c]. **extract** [ABC⁺20]. **Extraction** [BFF⁺20, HHH22, BO19, CGHGRB21, VVDV22, HKF⁺20, PRSS19, SKM19, SA20, YG19]. **extremes** [HLP⁺19]. **ExWave** [SWK19]. **eye** [KH19b]. **EZFF** [KMK⁺21].

FacetModeller [LCMD⁺18]. **facial** [SB22]. **facilitate** [HGG20, TBCG21]. **Facilitating** [CWM⁺21b]. **factors** [BFRK19, CBS⁺16]. **Failure** [NSS⁺19]. **FAIMS** [BSRSC18]. **falling** [RRS18]. **far** [SDP⁺20]. **far-field** [SDP⁺20]. **fascicles** [KH19a]. **Fast** [ALRM21, BFDD⁺22, CHL⁺19, Gag21, NOÖÇ19, SM19, Tak22, AHR⁺22, DHK⁺20, PO19, Rag17, ALRM21]. **Fast-DENSER** [ALRM21]. **fastmat** [WSK22]. **fault** [DK19]. **FBG.SiMul** [PMM16]. **fcc** [OT16]. **FD** [MT19]. **featsel** [REFB17]. **Feature** [BFF⁺20, YG19, CGHGRB21, Cha17, VVDV22, Kur21, MGK⁺20, REFB17, SA20]. **feature-rich** [Cha17]. **features** [Ars21, LSB⁺20, SA17]. **federations** [HTB19]. **Feedback** [BE20]. **FEFLOW** [PRSS19]. **FEM** [RNK21, RNK22, KBB19, VRG19]. **FEniCS** [RDH⁺21, RAS19b]. **FEniCS-preCICE** [RDH⁺21]. **fermentation** [ME17]. **ferrofluid** [JAC21]. **ferrofluids** [JAC20]. **fetal** [BID⁺20]. **FeView** [RNK21, RNK22]. **fiber** [DRPS21, ZRK19]. **fiber-reinforced** [DRPS21]. **Fibre** [PMM16]. **fiducial** [LKSS20]. **FieLd** [O'D21, CVS19, BSRSC18, BFRK19, BTMB21, HLR⁺21, JAC21, ML20, MFQ⁺21, OC20, Ras19a, RS22, RLN21, SDP⁺20, BHCT16]. **field-based** [HLR⁺21]. **fields** [JAC20]. **File** [BS19, SS19]. **files** [DBJ19, Krä20, SC17, VC18]. **filings** [LPR21]. **films** [Dan20, RRS18]. **filtered** [YC19]. **Finding** [CKM21]. **Finite** [RNK21, RNK22, AG21, CLDdM22, GÓ19, MMS21, MMH19, PMM16, Tru18, WKR⁺20, ZRK19, ZMS18, MP20]. **finite-volume** [AG21]. **first** [AAA⁺21]. **fish** [IAW⁺15]. **fisheries** [GSP⁺17, NFASC21]. **fit** [MM16]. **Fitting** [SSSH16, DLH18, ENCS20, HDA21]. **Fixed** [MT19, LS16]. **fixedTimeEvents** [LS16]. **flame** [Car21, Car21]. **FLBEIA** [GSP⁺17]. **FleCSible** [LLK⁺20]. **FleCSPH** [LLK⁺20]. **FleXbox** [KPC⁺20]. **Flexible** [BSRSC18, CCE21, KPM⁺22, Kos22, NFASC21, SO21, SAA18, Sur20, VDP⁺19, VVDV22]. **Flickr** [FAM⁺20]. **FLIP** [HLR⁺21]. **Flow** [MBF20, NK20, BDPZ19, BS21, HKF⁺20, KRB⁺20, LFR⁺20, NR16, MBC22, Jur22]. **flow-models** [Jur22]. **flows** [BBB⁺20, Jur22, SL21]. **flowsheet** [SDH20]. **FLUBIO** [AG21]. **Fluid** [HOM⁺18, HS20, GP22, LDM20, VRG19]. **Fluid-Structure** [HOM⁺18]. **fluids** [NBM⁺19, NBS⁺21]. **fluorescence** [HLR⁺21, LBG20, HLR⁺21]. **flux** [OHO16]. **FM** [Elk22, LKSS20]. **FM-2D** [Elk22]. **FM-Track** [LKSS20]. **FMC** [ÁG19]. **FMC-Earthquake** [ÁG19]. **FMI** [VBA⁺16]. **fMRI** [ADSG⁺20, MCC20]. **focal** [ÁG19]. **FonaDyn** [TJS18, TJS19].

forbidden [VV19]. **force** [BFSJP⁺21, BFRK19, Ras19a, RS22]. **forcefields** [KMK⁺21]. **forest** [MIHS21, ZR19, BGCS19]. **ForestSim** [ZR19]. **form** [GZR⁺19]. **form-based** [GZR⁺19]. **format** [AFGH22, NSO21]. **forms** [GMNG⁺18]. **Fortran** [GMF18, Nai17, Taq16]. **Forward** [CHL⁺19, SF16]. **Founsure** [Ars21]. **Fourier** [MT19, YC19]. **FPGA** [MB21, UdL20]. **FPGA-based** [MB21]. **fracture** [KAK21]. **frame** [CRF21, JSB20]. **Framework** [Che21, ACR22, ABM⁺21, AES⁺22, AMVB19, AFA22, ASRI22, BCD⁺15, BDF⁺20, BPL⁺19, BK19, CCC⁺21, CM19, Cha17, CPV⁺20, CDOBA22, Dan20, DAB⁺19, DS20, FVA⁺20, GMKRS21, GCC20, GQCP⁺18, GPW⁺20, GWK16, GV20, HLG22, HGG20, HT18, Jur22, LSMG19, LYX⁺18, MLD22, MD19, NR16, NBCC19, PTT20, PPBZ21, REFB17, RSMW20, SUM21, SAA18, SR20, SDH20, SL20b, TCH⁺22, VCLS21, ZWM21, ZMS18, KGK⁺20]. **frameworks** [PPBZ21]. **fraudulent** [She19]. **free** [BBP⁺18, OC20, Rub16, TGS⁺19, ZRK21]. **frequencies** [HHN20]. **Frequency** [BO19, BAEBAS19, MT19, JAC20, MRMD19, Ozb17, SOS19]. **friction** [KAK21]. **Friendly** [MCC20]. **fringe** [OYW⁺21]. **FTIR** [CBHLG21]. **full** [SF16, ZNS17]. **Fully** [PRSS19, BB20a]. **function** [Byk19, MFCV20, SBCK17, Tak22, Zek17]. **Functional** [MCC20, LSOM18, SLWS⁺17]. **functionality** [DRM20]. **functionally** [MP20]. **functionals** [BT21, LSOM18]. **functions** [ABB⁺19, Bat19, BT21, COG19, DW21, REFB17]. **Fundamental** [TS21]. **fusion** [FPI⁺22]. **future** [VEM⁺18].

GABRIELE [Giu19]. **Galerkin** [CBLI22, SWK19]. **galkin** [PI17]. **game** [EHGPT19, HKM⁺19]. **Game-Engine-Assisted** [HKM⁺19]. **games** [IIS18]. **GAN** [GLS⁺22]. **GANG** [GLS⁺22]. **GANG-MAM** [GLS⁺22]. **gas** [MFQ⁺21]. **gases** [SLBC⁺20]. **Gated** [O'D21]. **Gaussian** [DI22]. **GDOESII** [DBJ19]. **GDSII** [DBJ19]. **GEARS** [HKM⁺19]. **GenClass** [ATT21]. **GenConstraint** [TSMT19]. **gene** [TT17]. **general** [CGS19, CSK19, Cer19, PMZ21, Giu19]. **general-purpose** [Cer19]. **generalized** [Hel22, MD21]. **generate** [ANOU21, GTC21, IAW⁺15, KPN⁺18, SSP21, SO21, ZRK19, ZAPS20]. **Generating** [ST21, Bac21, MBF20, MFQ⁺21]. **Generation** [RAL22, AS17, Byk19, CA18, DRM20, GZR⁺19, LLK⁺20, MB21, ML18, NGK⁺20, ODE⁺22, OE21, PS19c, Rag17, Ras20, RL19, SMR22, Tru18, UVPB⁺22]. **generator** [CLDdM22, DSJ⁺22, DI22, DN17, Ek16, HR20, SMR22, MBF20]. **Genetic** [TCH⁺22, CM19, KSFG18, KSFG18]. **genieclust** [Gag21]. **genomic** [APO⁺20, GQCP⁺18]. **Geo** [ÇA20]. **Geo-MST** [ÇA20]. **geocoding** [MZSH21]. **geographical** [ÇA20]. **geometric** [CM19, TCH⁺22]. **geometrical** [AZ17]. **Geometry** [Ohn21, JAC20, Kis20, RNG⁺21, SB21]. **georeferenced** [GL15]. **GeoReVi** [LBH⁺20]. **GeoRocket** [Krä20]. **geosciences** [Zek17]. **geospatial** [Krä20, LMB⁺19, WLP16]. **German** [JMT22]. **Gideon** [LMM22]. **GIS** [CC20, SDCA19]. **Git** [SS19]. **given** [Byk19]. **glass** [WMM18]. **glasses** [BWMS22]. **Glauber** [LNS15]. **global** [HRC20, Ozb17]. **glow** [PDH16]. **GLYCAM06** [BFRK19]. **glycoprotein** [KZ18]. **GNNkeras** [PBSB22]. **Go** [DRM20]. **goal** [KBB19]. **goal-oriented** [KBB19]. **GOMC** [NBM⁺19, NBS⁺21].

goniometry [OLRLB21]. **GOPY** [MBI20]. **govErning** [HSMF22]. **GPS** [YLS⁺18]. **GPU** [NBS⁺21, CC21, CWLG⁺21, DS20, GWK16, NBM⁺19, Nev17, NSLD16]. **GPU-accelerated** [DS20, Nev17]. **GPUCorrel** [CWLG⁺21]. **GPUs** [PO19]. **Grace** [Zhu15]. **graded** [MP20]. **gradients** [DSJ⁺22]. **grain** [CWM⁺21b]. **grain-based** [CWM⁺21b]. **Grammatical** [TTT19, ATT21]. **Graph** [PCC⁺19, FVD20, JZGW22, PBSB22, RJH⁺20, PBSB22]. **graph-based** [JZGW22]. **graphene** [MBI20, O'D21]. **graphene-based** [MBI20]. **Graphical** [ADSG⁺20, ANA16, CPV⁺20, MTS⁺18, RtHLMN20, MM16]. **graphics** [HMCA15, MML20, Zhu15]. **graphs** [DL16, FVD20, KKAUA21, RL19]. **GraSPI** [JZGW22]. **grating** [PMM16]. **Gravitational** [CKM21, CCC⁺21, DKL⁺21, FHB⁺21, MAC⁺21, RAL⁺20, Wet20]. **gravitational-wave** [DKL⁺21, MAC⁺21, RAL⁺20, Wet20]. **gravity** [MTS⁺18]. **grid** [BFV18, ROMH22, FWB⁺21]. **grids** [BB20a, PKA⁺22]. **GridTools** [ABM⁺21]. **GROMACS** [AMS⁺15, BFRK19]. **ground** [ACR22]. **ground-motions** [ACR22]. **groundwater** [FHA17, PRSS19]. **group** [ZC20]. **growth** [Dan20]. **GSGP** [CM19, TCH⁺22]. **GSGP-C** [CM19]. **GSGP-CUDA** [TCH⁺22]. **GSimPy** [ZC20]. **GSITK** [ASRI22]. **Gsolve** [MTS⁺18]. **GstLAL** [CCC⁺21]. **GTO** [APO⁺20]. **GTOPX** [SNW⁺21]. **GUI** [AFGH22, AANA19, GZR⁺19, Jun21, NK18, SBCK17]. **GUI-based** [Jun21, NK18]. **guide** [ACNF22]. **guided** [CCBC⁺21]. **guided-wave** [CCBC⁺21]. **GURU** [MM16]. **GWpy** [MAC⁺21]. **Gxsview** [Ohn21].

habitats [BSG20]. **Han** [MM16]. **hand** [KM21]. **handle** [VC18]. **hardware** [MDL⁺18]. **harmonic** [GEH19]. **harness** [MDG22]. **Harvester** [TT17]. **harvesting** [FAM⁺20]. **HC** [PTT20]. **HC-** [PTT20]. **health** [CCBC⁺21, EHGPT19]. **hearing** [KHM⁺22]. **heart** [BiD⁺20]. **heat** [JMT22, KRB⁺20, SAA18, Zie19, JMT22]. **Heatrapy** [SAA18]. **HEDSATS** [FS19]. **Helium** [Ras21]. **Helmholtz** [DHK⁺20]. **help** [Alb15]. **HeNDS** [Ras21]. **Hermes** [KPSM17]. **Hessians** [DSJ⁺22]. **heterarchical** [PTT20]. **heterogeneity** [MDG22]. **heterogeneous** [MWJ15, PBSB22, Sur20]. **heuristic** [CDAOB⁺20, CDOBA22]. **HexagDLy** [SH19]. **hexagonally** [SH19]. **Hierarchical** [PCC⁺19, Gag21, TCPC22]. **hierarchies** [BKM22, GMNG⁺18]. **High** [AMS⁺15, DTD17, Kur21, OLRLB21, BBB⁺20, FPI⁺22, GQCP⁺18, GPW⁺20, GWK16, JAC20, JHAMF19, KH19a, LFR⁺20, MB21, MMH19, PZ22, SGBH18, SFG21, SWK19, SA20, FS19]. **High-level** [DTD17]. **high-order** [BBB⁺20, MMH19]. **high-performance** [GPW⁺20, LFR⁺20, SFG21]. **high-renewable** [JHAMF19]. **High-throughput** [OLRLB21, GQCP⁺18]. **highly** [VDP⁺19]. **highRES** [PZ22]. **highRES-Europe** [PZ22]. **Higra** [PCC⁺19]. **Hilbert** [JS19]. **Historical** [MZSH21, CLDdM22]. **History** [CKM21]. **HiTIME** [LIZ⁺20]. **hole** [Taq16]. **holographic** [OYW⁺21]. **homogeneous** [MASB18, PBSB22]. **Hopkinson** [GLR22]. **horizon** [BSdG⁺22, MMS21]. **hospital** [CNST20]. **HPexome** [CdSLCC20]. **HTC** [KPSM17]. **HTML** [BKM21, Nai17]. **Human** [RLN21]. **Human-Computer** [RLN21]. **humanoid** [MMS20]. **humans** [FVA⁺20]. **hybrid** [DK19, KPSM17]. **hydraulic** [EL17]. **hydro** [LEFSO20, PRSS19]. **hydro-acoustic** [LEFSO20]. **hydro-mechanical** [PRSS19]. **hydrodynamics** [LLK⁺20]. **hydrographic** [LSB⁺20]. **hYdrological** [AMC17]. **HYDROSCAPE** [FHA17]. **hyper**

[CDAOB⁺20, CDOBA22]. **hyper-heuristic** [CDAOB⁺20, CDOBA22]. **hyperparameter** [HCS⁺20]. **hyperparameters** [FLR22]. **hyperspectral** [CBHLG21].

iamxt [SRML17]. **IASM** [Has18]. **IbIPP** [IZBT21]. **ICF** [COG19]. **ICU** [STH⁺21]. **IDARC** [ANA16, AANA19]. **IDARC-2D** [ANA16, AANA19]. **ideal** [GP22]. **IdentiCyte** [GMGG19]. **identification** [AGdSC20, CR22, GMGG19, LRPD18, LDM20, PR19]. **identify** [JMT22]. **IEC** [ROMH22]. **IEEE** [AVB17, BFV18, CPUARC20]. **IMage** [LK21, CWLG⁺21, DEV⁺21, IZBT21, AVCP⁺21, BGGL20, Car21, DN17, GRW⁺19, GTG21, JFJM22, Jun21, KPN⁺18, KPTW19, KAO⁺21, LRPD18, MBF20, NGK⁺20, OAF20, PPBZ21, RKDP21, RSSL⁺20, SRML17, SS17]. **Image-based** [IZBT21, NGK⁺20]. **image-related** [PPBZ21]. **ImageJ** [THT20]. **imagery** [SDL21]. **Images** [KAR⁺19, CBHLG21, CRP21, DRPS21, HLR⁺21, HKF⁺20, KAO⁺21, NOÖC19, THT20, TKLG19]. **Imaging** [AVCP⁺21, BHCT16, BB20b, HLR⁺21, KP20, PPBZ21, AAN17, BHHÖ22, CSK19, GZW⁺22, HA19, LBG20, RSSL⁺20, SFF⁺19, SBL19]. **imbalance** [RLF⁺21]. **imbalanced** [GZ21a, GZ21b, ZGZvB19]. **ImbTreeAUC** [GZ21a]. **ImbTreeEntropy** [GZ21b]. **immunoassays** [VCLS21]. **Impedance** [LYX⁺18, BDSC22]. **implement** [AFA22]. **Implementation** [MT19, AWO⁺21, BHHÖ22, MKU22, SA20, TKLG19, VJA⁺18]. **Implemented** [Giu19, PG18]. **implementing** [AI21, RNR17]. **improve** [DW20, ZAPS20]. **Improved** [LNS15]. **improvements** [RtHLMN20]. **impulse** [FRdN21]. **impulseest** [FRdN21]. **In-depth** [RPV⁺20]. **INACITY** [dMOH21]. **inclined** [BFDD⁺22]. **incompressible** [BBB⁺20].

incremental [MAAOZMAM22]. **Indel** [DG21]. **Indel-sensitive** [DG21]. **independent** [MDL⁺18]. **index** [HKF⁺20]. **Indicator** [BLE21]. **indices** [BDQ⁺22]. **Individualized** [Has18]. **Indonesian** [Kwa19]. **induced** [Kul20]. **inducing** [FPI⁺22]. **Industrial** [GABH22, SBT22, ZR19]. **inertial** [CMMF19]. **Infection** [KJW21, SB22]. **infectious** [SB22]. **inference** [SWCP20, SR17, AWO⁺21]. **inferring** [Amo21]. **inflow** [ML18]. **influence** [PP19]. **INFOBAR** [ADSG⁺20]. **Informatics** [HLW⁺16]. **Information** [NK20, ABC⁺20, BDPZ19, Kur21, LZN21]. **information-based** [Kur21]. **informed** [RWJ⁺21]. **infrastructure** [LLK⁺20, ZWM21, MWJ15, DDT20]. **Infrastructure-as-Code** [DDT20]. **inherent** [HHH22]. **inhomogeneous** [AZ17]. **Initialization** [IZBT21]. **initio** [XSS20, XSC⁺21]. **Input** [GPW⁺20, AL16, FRdN21]. **insertion** [Tru18]. **insertions** [WBS21]. **insights** [HL22]. **INSPECT** [ANA16, AANA19]. **INSPECT-PBEE** [AANA19]. **inspection** [HHN20]. **instability** [AT22]. **Instance** [BCR⁺18, TGS⁺19, She19]. **Instance-aware** [TGS⁺19]. **instrument** [CRF21]. **integral** [KAK21, SF16]. **integrals** [Bat19]. **Integrated** [BBD⁺18, DRM20, KKAUA21, LFT21, SR20, ZWCQ22]. **Integration** [BJM⁺19, BFF⁺21, BLM⁺22, EPF⁺22, MFCV20, PO19, dARPH⁺19, SFF⁺19]. **intelligent** [HKF⁺20]. **intensity** [Dan20, Dan22]. **Interaction** [HOM⁺18, DL16, YLS⁺18, vKH20, RLN21]. **interactions** [Arc20, LMM22]. **interactive** [AS17, Cha17, DAB⁺19, FSL16, GP22, Kul20, MM16, OHO16, RSSL⁺20, RE22, SBCK17, DW20]. **interatomic** [KMK⁺21]. **interface** [ANA16, ADSG⁺20, CPV⁺20, DLH18, GdCF16, GMF18, GMF20, GTC21,

MP17, MTS⁺18, MM16, RtHLMN20, RK19, SMR22, vdOJP⁺20]. **interfaces** [Ek16, GZR⁺19, Wet20]. **interfacial** [Tru18]. **interfacing** [SBT22]. **interferometers** [BJR⁺20]. **interferometry** [OYW⁺21]. **interoperable** [BCD⁺15, PPBZ21]. **interpretation** [ZVP22]. **interpreting** [Alb15]. **interThermalPhaseChangeFoam** [NR16]. **interval** [FHB⁺21, MKB⁺18, SABEh20]. **interval-based** [MKB⁺18]. **interval-valued** [SABEh20]. **intervention** [STH⁺21]. **interventions** [HLG22]. **intestinal** [ME17]. **introduce** [BMBR21]. **Introducing** [Han20, Ric19]. **inversion** [BBF⁺19, SF16]. **INvestigate** [dMOH21]. **investigation** [LMN⁺20]. **Investment** [GMKRS21]. **invocation** [CA18]. **involving** [SAA18]. **ionic** [CCFSB20]. **ionized** [KLY21, SLBC⁺20]. **ionosphere** [ZRK21]. **IoT** [HSMF22, ODE⁺22, PMZ21]. **IP** [Jur22]. **iPSL** [BCR⁺18, VRBM16]. **IPv6** [CSZM22]. **IPv6CC** [CSZM22]. **IRIC** [ZGZvB19]. **IRRigation** [AMC17]. **iScore** [RJH⁺20]. **isogeometric** [DHK⁺20]. **isolated** [FG20]. **isotope** [WW17]. **Isotopes** [dISVBLdA⁺17]. **Isula** [GCC20]. **iterative** [Sil20]. **iTesla** [BCR⁺18, VRBM16]. **Itinerum** [PFJM19].

J [KGK⁺20]. **J-PET** [KGK⁺20]. **Jacobian** [Bat19]. **January** [Ano20c, Ano21f, Ano22c]. **Java** [CK21, CPV⁺20, GCC20, Pos22, PPBZ21]. **JavaScript** [dARPH⁺19]. **JBlockCreator** [HGG20]. **JDFTx** [SLWS⁺17]. **jDSSAT** [dARPH⁺19]. **jet** [AT22]. **JHeaps** [Mic21]. **JIMWLK** [Kor21]. **joint** [SLWS⁺17]. **js** [OPPZ22]. **Json** [GZR⁺19]. **Json-GUI** [GZR⁺19]. **judgments** [tHLMN19, LMN18]. **Julia** [Gök21, Rou19]. **July** [Ano19d, Ano20d, Ano21g]. **jump** [CCE21]. **June** [Ano20c, Ano21h, Ano22d]. **juxtaposed** [HHN20].

Keras [PBSB22]. **Keras-based** [PBSB22]. **kernel** [RJH⁺20, ZRBCI20]. **kind** [Tak22]. **Kinematic** [STC⁺18]. **Kinetic** [DSI⁺20, HRC20]. **KineticPy** [MWM20]. **kinetics** [MWM20]. **KipTool** [CSK19]. **kit** [Bjö19]. **KLFromRecordingDays** [SA17]. **knife** [FVA⁺20, SC17]. **knobs** [DTD17]. **Knowledge** [YDN21, FVD20, LBH⁺20, YD20]. **Knudsen** [CRF21]. **Kolsky** [GLR22]. **kPWorkbench** [KMIG20]. **KrakN** [ZWM21]. **Kt** [CCO21]. **Kunz** [JS19].

Lab [HLW⁺16]. **Labeling** [NSO21]. **laboratories** [EPF⁺22, MCGK19]. **Laboratory** [Giu19, PFC⁺18]. **LabVIEW** [CRF21, GCdJAURO21]. **LAF** [BS19]. **Lagrangian** [HS20]. **LALSuite** [Wet20]. **land** [PRSS19]. **landscape** [BSG20, DL16, Sal16]. **landscapes** [MWM20, WM21b]. **language** [HBS16, Kri22, Kwa19, MDL⁺18, OT16]. **Laplace** [DHK⁺20]. **laptops** [AMS⁺15]. **LARA** [BC20]. **Large** [PMP16, vdOJP⁺20, AMVB19, COG19, DZZ⁺22, FAM⁺20, LBT⁺21, LBL⁺21, RNG⁺21]. **Large-Eddy** [vdOJP⁺20]. **large-scale** [AMVB19, DZZ⁺22]. **Laserchicken** [MGK⁺20]. **Latin** [BGCS19]. **Lattice** [HOM⁺18]. **Lattice-Boltzmann** [HOM⁺18]. **LatticeLibrary** [LMS⁺16]. **LatticeMech** [KDHG20]. **lattices** [LMS⁺16, OJ22]. **layer** [CPUARC20, MWJ15]. **layered** [RCT20]. **layers** [BSB20]. **LBM** [SGB⁺22]. **LC** [LIZ⁺20]. **LC-MS** [LIZ⁺20]. **leadership** [Amo21]. **Learning** [GABH22, LMN18, ZWM21, CCH⁺19, FVA⁺20, HH21, HCS⁺20, PDS⁺22, RSL⁺20, SFF⁺19, SDL21, TGS⁺19, vKMH⁺20, tHLMN19]. **least** [Alb19, AL16]. **least-cost** [Alb19]. **least-costly** [AL16]. **Lefever** [MD21]. **length** [Jun21]. **Lethe** [BBB⁺20]. **level** [AMS⁺15, DTD17, LFT21, dRB⁺20]. **libcommute** [Kri22].

libcommute/pycommute [Kri22].
libraries [AI21, Kis20, KSP19, Wet20].
Library
 [ANOU21, BCR⁺18, VRBM16, AM19, ABC⁺20, Ars21, AGdSC20, BFV18, BBG⁺19, BB22, BDQ⁺22, BCF20, CA18, CK21, DM20, DW21, DHK⁺20, FSL16, GKM20, GÓ19, HBA⁺20, IA17, KH19b, KM21, KMK⁺21, LMM22, LRPD18, LSOM18, MFCV20, Mic21, MMH19, MK16, DDT20, PBSB22, PS18a, PS18b, PS18c, PS19b, PMZ21, Pos22, Ras20, RV20, SGB⁺22, SGBH18, SL20a, SB21, WZ⁺20, WKR⁺20, ZMS18, ZGZvB19, Zie19, BFF⁺20, BCR⁺18, FBA⁺22, RLF⁺21, VRG19, BLE21].
libVersioningCompiler [CA18]. **libxc** [LSOM18]. **LiDAR** [MGK⁺20]. **Lifecycle** [EL20]. **lifetime** [PS18a, PS18b, PS18c, PS19a, PS19b].
Light [BHCT16]. **Light-Field** [BHCT16].
Lightning [CVD21]. **lightweight** [CBLI22, SDCA19]. **LIGO** [AAA⁺21, BHB⁺21, FWB⁺21]. **like** [AG21].
Line [CC20, MDG22, YG19]. **lineage** [CLM⁺20]. **Linear** [LK21, Nis20, Hel22, KM21, LZN21, LSB⁺20, PG18, RLK18, RV20, RRSK18, WSK22].
linear-operator [RV20]. **linear-scaling** [RRSK18]. **liquid** [RRS18, SP19]. **liquids** [CCFSB20, vDPI⁺18]. **literature** [NMLM18]. **lithography** [DBJ19]. **Little** [Geo17]. **Load** [RDO⁺19, STC⁺18]. **loading** [MFCSÁM20, MAAOZMAM22]. **loads** [MMCKK21]. **local** [TACH17, LFT21].
Localized [BS19, RPV⁺20]. **locally** [BS19]. **logic** [CCO21]. **logic-based** [CCO21]. **long** [GMF18, MWM20]. **long-time** [MWM20].
Loss [EL20]. **low** [DEV⁺21, SP22, ZAPS20]. **low-cost** [DEV⁺21, SP22].
low-dimensional [ZAPS20]. **lower** [ZRK21]. **Lugiato** [MD21]. **LUMA** [HOM⁺18]. **Lyapunov** [ABB⁺19].
LyapXool [ABB⁺19, AGH20]. **lying** [MLTF⁺18]. **Lyo** [Ek16].
M [XSS20]. **M-SPARC** [XSS20]. **Machine** [GABH22, CCH⁺19, FVA⁺20, FVD20, HH21, HCS⁺20, PDS⁺22, RSL⁺20, SDL21, TGS⁺19]. **machines** [RJH⁺20]. **machining** [UdL20]. **made** [HGG20, PMP16].
made-to-measure [HGG20]. **magcoilcalc** [MFQ⁺21]. **magnet** [MFQ⁺21]. **magnetic** [JAC20, JAC21, MFQ⁺21, OC20, WZ⁺20].
Magpylib [OC20]. **maintainability** [ABC⁺20]. **Making** [vDPI⁺18]. **MALTA** [KSP19]. **Malware** [GLS⁺22]. **MAM** [GLS⁺22]. **Mammut** [DTD17]. **manage** [LMB⁺19]. **management** [AHtH20, AMC17, ÁG19, ADGS⁺20, DTD17, GSP⁺17, GPW⁺20, KPM⁺22, LBT⁺21, LBH⁺20, MBU⁺19, NMLM18, PTT20, Rub16]. **Manager** [BLM⁺22].
manifolds [ZAPS20]. **manipulation** [HKF⁺20, LCMD⁺18, NGK⁺20]. **manipulations** [Kis20]. **manual** [LCMD⁺18]. **manufacture** [HGG20]. **manufactured** [OJ22]. **manufacturing** [AISM21]. **many** [CCH⁺19, HOM⁺18]. **many-body** [CCH⁺19]. **many-core** [HOM⁺18]. **MAO** [SGDC22]. **map** [OYW⁺21, MBU⁺19]. **Mapping** [GL15, WZ⁺20, CUSRCP⁺22, DG21, GRW⁺19, GVAO19, IDE⁺21, WM21b]. **mappings** [Nas20]. **MapX** [LMB⁺19]. **marker** [LKSS20]. **Market** [WM21a]. **markets** [WM21a]. **Markov** [CCE21]. **mask** [DBJ19]. **MaskDensity14** [LF15]. **Mass** [CRF21, PMP16, CMMF19, Ras20]. **massive** [MGK⁺20]. **massively** [Mos20, PGA⁺20]. **Master** [KHM⁺22].
MATBOX [UVPB⁺22]. **material** [BHE⁺19]. **MaterialModeler** [BHE⁺19]. **MaterialModeler-From** [BHE⁺19]. **materials** [DM19, JAC20, MP20, MASB18, SSP21, SDH20, TLDM19, WM21b].
Mathematica [Arc20, Byk19, IIS18, Ozb17, RL19]. **MatHH** [CDOBA22]. **MATLAB** [AI21, BFSJP⁺21, Bat19, BGGL20, BAEBAS19,

BV19, BID⁺20, CPUARC20, Cob21, Deg20, FJ22, tHLMN19, HKF⁺20, HL22, IZBT21, JSB20, JAC20, LMN18, MKU22, Nas20, PMNWR20, PNL⁺21, RCT20, SY20, SBL19, Zek17, BC22, BO19, BBF⁺19, CDOBA22, KAR⁺19, MP18, NK18, XSS20]. **Matlab-based** [BC22, CDOBA22]. **Matlab-Simulation** [XSS20]. **MatlabHTM** [BSB20]. **Matrix** [Kos22, MASB18]. **Matrix-based** [Kos22]. **matter** [vKH20]. **MATVines** [Cob21]. **Mauritius** [IDE⁺21]. **Max** [SRML17]. **Max-tree** [SRML17]. **Maximization** [SKD22]. **maximum** [SR19]. **MAZE** [AGHK21]. **MC** [Cer19, DM19]. **MC-BAM** [DM19]. **MCDA** [AMA19]. **Mcfly** [vKMH⁺20]. **Meander** [RNG⁺21]. **meandering** [RNG⁺21]. **measure** [BDSC22, Car21, HGG20]. **measured** [HHH22]. **Measurement** [NK20, HKC⁺18, Jun21]. **measurements** [CMMF19, MTS⁺18, MKR⁺21, O'D21, PFC⁺18]. **measures** [AMVB19]. **measuring** [DDT20, ZC20]. **mechanical** [KH19a, PRSS19]. **mechanics** [Bjö19, BWMS22, KDHG20, LKSS20, LDM20, RAS19b]. **mechanisms** [ÁG19]. **mechanochemical** [DyH21]. **media** [KRB⁺20, MPAK19, RCT20, SGB⁺22]. **mediation** [AVB17, BFV18]. **medical** [ML20, RLK18, RSL⁺20, SFF⁺19]. **meets** [MML20]. **MEG** [ZVP22]. **melting** [CCFSB20]. **membrane** [KMIG20]. **memoization** [BPL⁺19]. **memory** [BSB20, IA17]. **MergeBathy** [ZHP⁺18]. **mesh** [BDF⁺20, CLDdM22, HR20, NGK⁺20, RDO⁺19, Tru18]. **meshing** [UVPB⁺22]. **meshless** [RB17]. **Meshtool** [NGK⁺20]. **metabolites** [LIZ⁺20]. **metadata** [FHB⁺21]. **metagraphs** [RNR17]. **metaheuristics** [CDAOB⁺20]. **metamaterial** [KDHG20]. **Meteorological** [BS19]. **methane** [HKC⁺18]. **Method** [HOM⁺18, RSMW20, BE20, CCE21, DSI⁺20, FAM⁺20, HLP⁺19, KAK21, Nis20, NSLD16, OT16, PMM16, PPRE17, PDTG17]. **methods** [AES⁺22, AGH20, BO19, BCF20, RB17, VCLS21]. **metric** [KHG21]. **mFLICA** [Amo21]. **MFPP** [Kos22]. **MGtoolkit** [RNR17]. **MICA** [MKB⁺18]. **micro** [PFC⁺18]. **micro-computed** [PFC⁺18]. **MicroFEA** [MP20]. **MicroFract** [SS17]. **micromagnetic** [Zhu15]. **microscopes** [CBHLG21, HL22]. **microscopy** [BFSJP⁺21, Rub16, TGS⁺19, AVCP⁺21]. **microsimulation** [SR20]. **MicroStructPy** [HR20]. **microstructural** [SS17]. **Microstructure** [FPBM18, FST⁺21, UVPB⁺22, HR20]. **microstructures** [CWM⁺21b, SSP21]. **MicroVIP** [AVCP⁺21]. **microwave** [KAO⁺21]. **mics** [BLE21]. **mics-library** [BLE21]. **MIDAS** [HT18, ZRK19]. **MIDAS-VT-Pre** [ZRK19]. **middleware** [SBT22, YDMC15]. **MIEP** [GTG21]. **Milky** [PI17]. **minimal** [Kar21]. **Minimalist** [AMC17]. **minimalistic** [DN17, Rag17]. **minimization** [PS22]. **minimum** [ÇA20, MMCKK21]. **minimum-thickness** [MMCKK21]. **mining** [AMA19]. **Minkowski** [BT21]. **MiRNA** [CPD⁺20, CPD⁺20]. **MiRNA-QC-and-Diagnosis** [CPD⁺20]. **MIRROR** [SBT22]. **MISA** [GMF20]. **mission** [SNW⁺21]. **MISTIQS** [PBL⁺21]. **MitC** [KKN⁺22]. **mitigate** [EBGCT21]. **mitigation** [KKN⁺22]. **mixture** [BL16]. **mixtures** [vDPI⁺18]. **MJOLNIR** [LJML20]. **ML** [VDCL20]. **ML-based** [VDCL20]. **MMS** [ROMH22]. **MNEflow** [ZVP22]. **mob** [CS21]. **mobile** [CS21, ML20, SBT22, BSRSC18]. **MobiQ** [YLS⁺18]. **MOBOpt** [GdVsSdSCM20]. **mod** [GVAO19]. **model** [AMC17, BSdG⁺22, BSB20, BHE⁺19, CPUARC20, Dan22, DK19, Ek16, GSP⁺17, GVAO19, IDE⁺21, JMT22, LIZ⁺20, MC18, MM16, PG18, PZ22,

RNK21, RNK22, Sal16, SO21, TCPC22, ZRK19, ZNS17, HGWM18, KF22]. **model-2-model** [GVAO19]. **model-based** [Ek16]. **model-selection** [LIZ+20]. **modeler** [Has18]. **Modelica** [BCR+18, GVAO19, VRBM16, VBA+16]. **modeling** [AZ17, BK19, COGP19, Elk22, FVD20, GG21, HGS17, HRC20, Jur22, KAK21, LBT+21, MFQ+21, NGK+20, dQRRBdSM20, SP19, SL21, Tru18, WMM18, WKR+20, ZR19]. **Modelling** [Che21, BJR+20, LFT21, MVBF19, SR20]. **models** [DRM20, FVA+20, Gök21, HVB16, Hel22, IAW+15, LCMD+18, LMN+20, MBI20, PMM16, RJH+20, SSSH16, SO21, VBA+16, Jur22]. **moderate** [JAC20]. **modern** [HMCA15, JHAMF19, NBCC19]. **modification** [SKD22]. **modified** [KSS20, Tak22]. **Modifying** [GLS+22]. **Modular** [GWK16, BFV18, BST+17, BKM22, CRF21, NBCC19, SFG21, SF16, SR20, VBA+16, YLS+18, Zaj20]. **module** [BS21, CGHGRB21, CR22, CWM+21a, DyH21, GZR+19, MCGK19, dARPH+19]. **MODULO** [NM20]. **MoebInv** [Kis20]. **moisture** [AMC17, MPMC21]. **MoLE** [VDCL20]. **molecular** [AMS+15, DFC18, DPF+21, FC17, KMK+21, iNKN+20, OT16, Ras19a, RWJ+21, SFK+19, SGA+16, ST21, RS22]. **molecules** [KLY21]. **Moment** [DM19, BCF20, SR19]. **Moment-curvature** [DM19]. **MoniThor** [UdL20]. **monitor** [MLTF+18, RLN21]. **monitoring** [CCBC+21, CAW+20, FG20, MLTF+18, STH+21, SP22, UdL20, YKC+19]. **monocular** [MBY22]. **Monte** [BCA19, LNS15, NBM+19, NBS+21, CCE21, KP19, vKH20]. **MOOSE** [PGA+20]. **MOOSE2** [AL16]. **morphological** [BID+20]. **morphology** [JZGW22, OJ22]. **mosquito** [IDE+21]. **motion** [ADSG+20, EPF+22]. **motions** [ACR22]. **movecost** [Alb19]. **movement** [JAC21]. **MPI** [DFSW19, RJH+20]. **MPI-parallelized** [DFSW19]. **MPLBM** [SGB+22]. **MPLBM-T** [SGB+22]. **MPSLIB** [HVB16]. **Mr.CAS** [Rag17]. **MS** [LIZ+20]. **MSDSp** [CCE21]. **MST** [ÇA20]. **MStaT** [RNG+21]. **Multi** [ANOU21, AMS+15, BSdG+22, GdVSdSCM20, GCP22, KMK+21, LRPD18, MTPHH18, MMS21, PZKK21, SUM21]. **multi-criteria** [PZKK21]. **multi-energy** [GCP22, SUM21]. **multi-horizon** [BSdG+22]. **multi-image** [LRPD18]. **multi-level** [AMS+15]. **multi-objective** [GdVSdSCM20, KMK+21]. **Multi-sphere** [ANOU21]. **multi-stage** [MMS21]. **multichannel** [BAEBAS19]. **multicomponent** [SLBC+20]. **Multifaceted** [KAR+19]. **MultiFLEXX** [MTPHH18]. **multiflexlib** [MTPHH18]. **MULTIFRAC** [THT20]. **multigrad** [ZNS17]. **multimodal** [AES+22, SL20b]. **multimode** [SL20a]. **Multiphase** [SGB+22, Kar21]. **multiphysics** [PGA+20]. **multiplatform** [BB20a]. **Multiple** [BL16, MKB+18, O'D21, AMA19, BCA19, CA18, HVB16, KM21, LBG20, BLE21]. **multiple-point** [HVB16]. **multiplexing** [LJML20]. **multiplicity** [JS19]. **multiplied** [LF15]. **multiply** [Nas20]. **Multiresolution** [BCA19]. **multiscale** [THT20, AGHK21, NM20]. **Multisensor** [BAEBAS19]. **multivariate** [ASAA20, HLP+19, PR19, SA20]. **MUSEN** [DS20]. **Mutagenesis** [BMBR21]. **Mutation** [SLBC+20]. **mutual** [LZN21]. **mutually** [LHCK18]. **MVTS** [ASAA20]. **MVTS-Data** [ASAA20]. **MWSEgEval** [KAO+21]. **MY** [AMC17]. **NAMELIST** [Nai17]. **names** [Xie22]. **NanoDroplet** [Ras21]. **Nanoindentation** [CGS19]. **NANomaterials** [RPV+20]. **nanoparticles** [Nev17]. **NANOPTICS** [RPV+20]. **natural** [GMNG+18, LMB+19].

Navier [AG21, Wil17]. **Navigator** [STH⁺21]. **NCBI** [HM22, PMP16]. **NDE** [SFG21]. **NDECOAX** [MPAK19]. **Near** [BV19, ML20]. **near-field** [ML20]. **Near-Optimal** [BV19]. **neat** [vDPI⁺18]. **Nebula** [vKH20]. **NEMO** [VDP⁺19]. **neocortical** [BSB20]. **Neper2CAE** [GTC21]. **NET** [MD19]. **NetCausality** [RMMG21]. **NetCDF** [ZNS17]. **NetKet** [CCH⁺19]. **NetLogo** [GG21]. **NetOnZeroDXC** [PR19]. **Network** [ALRM21, CVD21, GV20, KJW21, AFGH22, CC20, HTV22, Jun21, Jur22, MLD22, RWJ⁺21, RMMG21, VDP⁺19, YKC⁺19]. **Networks** [PMNWR20, BS21, BB22, COGP19, CSZM22, EL17, FVD20, LVK21, PR19, Pos22, SWCP20, TC20, ZVP22, FLR22, PBSB22]. **Neural** [FLR22, PBSB22, BB22, FVD20, Jun21, LVK21, RWJ⁺21, RMMG21, SWCP20, ZVP22]. **neural-network** [RWJ⁺21]. **neuroevolutionary** [CCFSB20]. **NeuroFramework** [CCFSB20]. **neuroimaging** [MCC20]. **NeuroSpeech** [OAVCVB⁺19]. **NeuTomPy** [MMG19]. **neutron** [CSK19, LJML20, MTPHH18]. **neutrosophic** [SABEh20]. **news** [PP19]. **NewsCompare** [PP19]. **next** [LLK⁺20, ODE⁺22]. **NG** [ODE⁺22]. **NiceProp** [GP22]. **Niget** [CGS19]. **NL** [PG18]. **NL4Py** [GG21]. **nlchains** [PO19]. **NMR** [BBF⁺19]. **NNC** [TTT19]. **noble** [MFQ⁺21]. **noise** [DI22, LF15, RAL⁺20]. **noisy** [Ben15]. **Non** [LZN21, PMNWR20, BAEBAS19, BSG20, DI22, FRdN21, GP22, GEH19, Kis20, Ras19a, ZRK21, ZR19]. **non-auroral** [ZRK21]. **non-constant** [Ras19a]. **non-Euclidean** [Kis20]. **non-Gaussian** [DI22]. **non-ideal** [GP22]. **non-industrial** [ZR19]. **Non-linear** [LZN21]. **Non-Parametric** [PMNWR20, FRdN21]. **non-stationary** [BAEBAS19]. **non-target-species** [BSG20]. **non-uniformly** [GEH19]. **nonadiabatic** [SFK⁺19]. **nondestructive** [MPAK19]. **Nonio** [NBCC19]. **nonlinear** [AGdSC20, PO19]. **nonparametric** [FJ22]. **nonstationary** [SOS19]. **nonuniform** [BFRK19]. **normalization** [PDTG17, SABEh20]. **novel** [KSFG18, PP19]. **nsCouette** [LFR⁺20]. **NSDPY** [HM22]. **nuclei** [Taq16]. **number** [BL16, HHN20]. **numbering** [Ric19]. **Numerical** [FPI⁺22, Kor21, Byk19, DFSW19, Elk22, LFR⁺20, dQRRBdSM20]. **NURBS** [BK19]. **NURBS-Python** [BK19].

Obfuscapk [AGVM20]. **obfuscation** [AGVM20]. **object** [AM19, BK19, KJW21]. **object-oriented** [AM19, BK19, KJW21]. **objective** [AMVB19, GdVSdSCM20, KMK⁺21, SA17]. **objects** [BKM22]. **observables** [Nis20]. **observatory** [FHB⁺21]. **observed** [BS19]. **observing** [AAA⁺21]. **Obstacl** [MVBF19]. **obtained** [CWM⁺21b]. **OCCI** [GdCF16]. **ocean** [MVBF19]. **Ocelet** [DL16]. **OCT** [HKF⁺20]. **OCT-A** [HKF⁺20]. **Octave** [Wet20]. **Ocular** [KAR⁺19]. **ODT** [SL21]. **oedometer** [MAAOZMAM22]. **off** [OYW⁺21]. **off-axis** [OYW⁺21]. **omicR** [TBCG21]. **Omicron** [RAL⁺20]. **One** [SL21, Dan22]. **one-beam** [Dan22]. **One-dimensional** [SL21]. **Online** [TSCH20, HKS⁺22, HT18, XYC22, STH⁺21]. **onlineBcp** [XYC22]. **onto** [Nas20]. **ontologies** [DRM20]. **ooi** [GdCF16]. **OONIS** [KJW21]. **OOP** [BKM22]. **Open** [AAA⁺21, BCR⁺18, BTMB21, DAB⁺19, HT18, KKN⁺22, KHM⁺22, VRG19, WLP16, AHtH20, AGVM20, BSdG⁺22, BSRSC18, BDF⁺20, BGGL20, BK19, BBB⁺20, CR22, Cer19, CBLI22, CBS⁺16, DEV⁺21, DS20, Elk22, EPF⁺22, GV20, GMNG⁺18, HGG20, IAW⁺15, KH19a, KRB⁺20, KPM⁺22, LMB⁺19, LEFSO20, LSB⁺20, MP17, ML20, MMCKK21, Mic21, MKR⁺21, MAAOZMAM22, MBY22, NFASC21,

ODE⁺22, OHO16, OAF20, PFJM19, PNL⁺21, PKA⁺22, PBL⁺21, ROMH22, RSMW20, Rub16, RRSK18, SFK⁺19, SDH20, SMR22, SC19, WGB16, Web17, Web21, WDZ⁺20, ZRK21, LK21, FWB⁺21, RAL22, UVPB⁺22]. **Open-Instance** [BCR⁺18]. **Open-source** [HT18, KKN⁺22, VRG19, BSdG⁺22, BSRSC18, BDF⁺20, BGGL20, BK19, BBB⁺20, CR22, Cer19, CBLI22, CBS⁺16, DEV⁺21, DS20, Elk22, GV20, IAW⁺15, KRB⁺20, KPM⁺22, LEFSO20, LSB⁺20, MP17, MMCKK21, Mic20, MKR⁺21, MAAOZMAM22, MBY22, NFASC21, OHO16, OAF20, PKA⁺22, PBL⁺21, RSMW20, Rub16, RRSK18, SFK⁺19, SDH20, SMR22, WGB16, Web17, Web21, AGVM20, RAL22, UVPB⁺22]. **OpenArch** [MMCKK21]. **OpenCLC** [LSB⁺20]. **OpenFOAM** [GKM20, HS20, RDO⁺19, SNHS20, VRG19]. **OpenGJK** [MP18]. **OpenImpala** [LK21]. **OpenIPDM** [HLG22]. **OpenIPSL** [BCR⁺18]. **OpenMechanochem** [DyH21]. **openMHA** [KHM⁺22]. **OPENMMF** [SL20a]. **OpenMoist** [MPMC21]. **Openpipeflow** [Wil17]. **OpenPIV** [BGGL20]. **OpenPIV-MATLAB** [BGGL20]. **OpenPLC61850** [ROMH22]. **OpenQSEI** [SBL19]. **OpenSe** [ZMS18]. **OpenSees** [RNK22, RNK21]. **OpenSeesPy** [ZMS18]. **OpenStack** [GdCF16, HTB19]. **OpenTEPES** [RAL22]. **operating** [ODE⁺22]. **operations** [SABeh20]. **operator** [Kri22, RV20]. **Opportunistic** [TDG19]. **OptFROG** [MRMD19]. **Opti** [BBJ⁺18]. **Optical** [MBF20, AAN17, BJR⁺20, Deg20, DBJ19, HA19, RPV⁺20]. **Optimal** [Bla21, BV19, LMS⁺16, PPRE17]. **Optimel** [PPRE17]. **OptiMic** [SSP21]. **optimisation** [CDAOB⁺20, SUM21]. **optimisation-based** [SUM21]. **Optimization** [Bla21, AES⁺22, CCBC⁺21, GdVsdsSCM20, HFS⁺21, HCS⁺20, IZBT21, IKYY22, JMT22, KHG21, MBDS20, MFQ⁺21, RV20, Sil20, SBT22, TSMT19]. **Optimized** [NBM⁺19, NBS⁺21, MRMD19, iNKN⁺20, SSP21]. **optimizing** [BB22, FLR22]. **OptiSens** [CCBC⁺21]. **OPTool** [Sil20]. **order** [BBB⁺20, MMH19]. **ordering** [NBCC19]. **oreo** [LBL⁺21]. **organic** [JZGW22]. **oriented** [AM19, AL16, BK19, KBB19, KJW21]. **Orthogonal** [NM20]. **ORTiS** [MB21]. **OSCAR** [Deg20]. **oscillations** [Dan20, Dan22]. **oscillatory** [LBL⁺21]. **OSLC** [Ek16]. **OSLC-compliant** [Ek16]. **OSM** [AAN17]. **OSM-Classic** [AAN17]. **other** [RDH⁺21]. **outcrops** [AS17]. **Output** [GPW⁺20, FRdN21, PS18a, PS18b, PS18c, PS19b]. **ov** [LSMG19]. **ov-SSA** [LSMG19]. **Overlap** [LSMG19]. **Overlap-SSA** [LSMG19]. **Oversampling** [RLF⁺21]. **OWL** [BKM22, DRM20]. **OWL2Go** [DRM20]. **OWLOOP** [BKM22]. **owner** [ZR19]. **oxide** [BWMS22]. **P** [CCO21]. **P-Kt** [CCO21]. **Package** [KAR⁺19, XSS20, XSC⁺21, ASAA20, ANA16, Alb15, Alb19, Amo21, ATCA20, BLE21, BO19, BAEBAS19, BE20, BJR⁺20, BSG20, CPD⁺20, CCFSB20, CLK21, Cob21, CBHLG21, Deg20, DFC18, DPF⁺21, DFSW19, DTDD19, FRdN21, FC17, FAM⁺20, GZ21a, GZ21b, GMF18, GRW⁺19, Gir21, Gök21, HFS⁺21, Han20, HM22, Hel22, HKF⁺20, HRC20, JSB20, KPN⁺18, KF17, KOC21, Kor21, LBT⁺21, LJML20, LS16, LF15, LPR21, LLM⁺20, LBL⁺21, MAC⁺21, MMS20, MPAK19, MMCKK21, MP20, MBF20, MTPHH18, MFQ⁺21, MMG19, Mos20, ML18, NKHZ21, OT16, OC20, PDH16, PR19, PKA⁺22, PDTG17, RNR17, RE22, RAS19b, SWCP20, SKD22, SBL19, SR17, TS20, VC18, VV19, Xie22, XYC22, ZTC⁺21, ZC20, ZRK21]. **PackageCargo** [MFCSÁM20]. **packing** [BC22]. **PADC** [NIY16]. **PADRES** [PCL22]. **page** [HR21]. **PaleoGeomorphology** [HGWM18].

PanNDE [SFG21]. **PAPARA** [MP17].
paradigm [AI21]. **paraffinic** [SP19].
parallel [AG21, ATT21, BBB⁺20, KF17, LLK⁺20, PGA⁺20, Sal16, Tak22, dRB⁺20].
parallelism [AMS⁺15, HBS⁺20].
parallelizable [GG21]. **Parallelized** [CWM⁺21a, CCE21, DFSW19, TLDM19].
PARallisable [LK21]. **parameter** [Bac21, SCPC18, VBA⁺16, HR21].
parameterizable [BPL⁺19].
parameterization [KMK⁺21]. **parameters** [DSI⁺20, HFS⁺21]. **Parametric** [PMNWR20, FRdN21, PG18, WDZ⁺20].
parasweep [Bac21]. **ParKVFinder** [dRB⁺20]. **ParSD** [Fru21]. **parser** [RMM18]. **parsing** [LPR21]. **Part2Track** [JSB20]. **Particle** [RB17, SNHS20, BGGL20, Fru21, HFS⁺21, HS20, LLK⁺20, Taq16, ZRK19, JSB20].
Particle-based [RB17]. **particle/fiber** [ZRK19]. **particles** [HGS17, ANOU21].
particulate [SDH20]. **partition** [RKDP21].
passive [JM20]. **passport** [ML20]. **patch** [KOC21]. **path** [AISM21, GV20, SS17, VV19]. **paths** [Alb19, VV19]. **pattern** [HGG20]. **patterns** [Nev17]. **PBEE** [AANA19]. **PCA** [SGA⁺16, ZAPS20]. **PCA-based** [SGA⁺16].
PCA-derived [ZAPS20]. **PCAfold** [ZAPS20]. **Peacemaker** [vDPI⁺18]. **PECT** [PS19c]. **PENalty** [BBF⁺19]. **peptide** [WBS21]. **PeptideMind** [HH21]. **perform** [BDSC22]. **performance** [AMS⁺15, AANA19, GPW⁺20, GWK16, KH19a, Kur21, LFR⁺20, MB21, SGBH18, SFG21, SWK19, Zaj20, RtHLMN20].
performance-based [AANA19].
performing [PBL⁺21]. **periodic** [Kar21].
permanent [MD19]. **permeable** [SGB⁺22].
permutations [Han20]. **Personal** [YD20, YDN21]. **personalised** [RLN21].
perspective [GRW⁺19]. **pesticide** [BSG20]. **PESummary** [HR21]. **PET** [KGK⁺20]. **phantoms** [KPN⁺18]. **Phase** [OYW⁺21, AT22, DBJ19, NR16, NBM⁺19, NBS⁺21, NBCC19, TGS⁺19, YC19].
PhaseWare [OYW⁺21]. **phasor** [BCR⁺18, MVRM19, VRBM16].
phenomena [BBB21]. **PHOBOS** [LNS15].
Photoelectron [SC19]. **photoemission** [SL20b]. **photographic** [YLS⁺18].
photographs [MP17]. **photon** [GCdJAURO21]. **PhotonSTR** [GCdJAURO21]. **PhotonSTR-18** [GCdJAURO21]. **photosearcher** [FAM⁺20].
phylogenetic [GL15]. **physical** [CPUARC20, EHGPT19, IA17, NBM⁺19, NBS⁺21]. **Physics** [RWJ⁺21, MCGK19, Nis20].
Physics-informed [RWJ⁺21]. **PhySim** [CPUARC20]. **PhySim-11p** [CPUARC20].
physiological [BBG⁺19]. **physiologically** [HRC20]. **physiology** [BBG⁺19]. **PiCO** [FSL16]. **Picoastal** [SP22]. **PII** [DPF⁺21, FST⁺21, Web17, Web21, YDN21].
pipeline [DKL⁺21, MG22, SHvW20, HLR⁺21].
pipelines [APO⁺20, KPC⁺20, MBC22]. **piv** [MBF20]. **piv-image-generator** [MBF20].
pksensi [HRC20]. **placement** [CCBC⁺21].
planar [MBF20]. **plane** [BFDD⁺22].
planetary [LRPD18]. **planning** [AISM21, CNST20, JHAMF19, Kos22, LFT21, WGB16, Web17, Web21, RAL22].
planning-level [LFT21]. **plasmon** [AHR⁺22, RPV⁺20]. **Platform** [BBJ⁺18, AMA19, BO19, COGP19, CPV⁺20, EHGPT19, Elk22, GZW⁺22, HKS⁺22, HKM⁺19, IAW⁺15, JHAMF19, JFJM22, KHM⁺22, KGK⁺20, Kwa19, LMB⁺19, ME17, PMMF19, PFJM19, SKM19, VJA⁺18, Zhu15, AVCP⁺21].
PlatformCommander [EPF⁺22].
platforms [EPF⁺22]. **Playing** [Geo17].
PLC [ROMH22]. **plenoptic** [HA19].
PlenoptiSign [HA19]. **PlgCirMap** [Nas20].
plotting [Cer19, JM20]. **PlotXY** [Cer19].
Plug [PRSS19, GZW⁺22]. **Plug-in**

[PRSS19, GZW⁺22]. **plugin** [ÇA20, THT20]. **PM** [PTT20]. **PmlBeta** [WBS21]. **PND** [RWJ⁺21]. **Point** [STH⁺21, CLDdM22, HVB16, MGK⁺20, MIHS21, XYC22, CRP21]. **Point-Of-Care** [CRP21]. **polarizers** [MFQ⁺21]. **policies** [ZR19]. **PolyBench** [CC21]. **PolyBench/GPU** [CC21]. **polycrystalline** [SSP21]. **polycrystals** [GTC21]. **polygonal** [Nas20]. **polymers** [DRPS21]. **polynomials** [MFCV20]. **Polyrun** [CK21]. **polytopes** [CK21]. **POMATO** [WM21a]. **populations** [IDE⁺21]. **porosity** [Kar21]. **Porous** [FST⁺21, KRB⁺20, FPBM18]. **port** [CC21]. **portable** [ABM⁺21]. **position** [MLTF⁺18]. **positional** [RL19]. **positivity** [BHHÖ22]. **Post** [IZBT21, Bac21, Cer19, LDM20, RNK21, RNK22]. **Post-Processing** [IZBT21, Bac21, Cer19, LDM20, RNK21, RNK22]. **Power** [BCR⁺18, VRBM16, ATCA20, JHAMF19, LBT⁺21, MB21, MVRM19, PS19c, PKA⁺22, SUM21, VJA⁺18, YG19, WM21a]. **PowerDynamics.jl** [PKA⁺22]. **powered** [AKM20]. **PowerSystems.jl** [LBT⁺21]. **PowTrAn** [ATCA20]. **PPRPA** [Taq16]. **PPWSim** [HTV22]. **Practical** [NSS⁺19, Ben15, SA20]. **Practically** [Rou19]. **Praznik** [Kur21]. **pre** [CAW⁺20, SO21, ZRK19]. **pre-existing** [CAW⁺20]. **pre-processing** [SO21]. **preCICE** [RDH⁺21]. **precision** [BJM⁺19, BJR⁺20, MBU⁺19]. **preconsolidation** [MAAOZMAM22]. **predicting** [SB22, Xie22, Zie19]. **Prediction** [HBA⁺20, BWMS22, HKC⁺18, SS17]. **predictions** [PAK22]. **predictive** [IDE⁺21]. **predictors** [SM19]. **preprocessing** [ASAA20, NKHZ21]. **preprocessor** [AISM21]. **presence** [PG18]. **preserving** [HTV22]. **pressure** [MAAOZMAM22]. **pressurized** [EL17]. **PRETUS** [GZW⁺22]. **Primer** [BMBR21]. **printed** [Kar21]. **prioritization** [BGCS19]. **priority** [Mic21]. **prisms** [LDAL20]. **Privacy** [HTV22, PCL22]. **probabilistic** [HLG22]. **probability** [FJ22, HLW⁺16]. **probe** [Rub16]. **probes** [OHO16]. **problem** [MFCSAM20, VV19]. **problems** [BDF⁺20, MMS21, TSMT19]. **ProbLog** [FLR22]. **ProbLog-based** [FLR22]. **procedure** [CNST20, SSSH16]. **process** [AhtH20, Byk19, CBHLG21, DK19, DSI⁺20, GLR22, RE22]. **processes** [AISM21, DL16, FPI⁺22, OPPZ22, SAA18]. **Processing** [BAEBAS19, IZBT21, SH19, AFGH22, AHR⁺22, Bac21, BST⁺17, BBG⁺19, CSK19, CdSLCC20, Cer19, VVDV22, Jun21, LEFSO20, LDM20, LMS⁺16, MCC20, MMG19, OHO16, PBSB22, RNK21, RNK22, RSL⁺20, SOS19, SO21, SRML17, SC19, Zhu15]. **Product** [MDG22]. **production** [HKC⁺18, ZTC⁺21]. **profilometry** [OYW⁺21]. **prognosis** [DK19]. **program** [AS17, Arc20, ABB⁺19, Car21, FSL16, FHA17, GLR22, GTG21, MTS⁺18, NIY16, Ras21, RRSK18, SFK⁺19, Taq16, Tru18]. **programming** [BSdG⁺22, BCD⁺15, CM19, CFA22, MKU22, SGBH18, TSMT19, UdL20, MMS21, TCH⁺22]. **programs** [CNST20]. **project** [KKN⁺22, Kos22, PTT20, SC19, CFA22]. **projection** [BBB21, OYW⁺21, SA20]. **projection-based** [SA20]. **projections** [VEM⁺18]. **promotion** [EHGPT19]. **Propagation** [Fra22, EBGCT21, RCT20]. **Proper** [NM20]. **properties** [KDHG20, KSFG18, NBM⁺19, NBS⁺21, SLBC⁺20]. **proportion** [SR17, SR17]. **Proscene** [Cha17]. **protein** [RJH⁺20]. **protein-protein** [RJH⁺20]. **proteomic** [APO⁺20, HH21]. **protocols** [RLK18]. **proton** [NIY16]. **Prototyping** [KPC⁺20, CBLI22, Rag17, YD20, YDN21]. **provides** [HDA21]. **providing** [GMF18]. **pRovisioning** [HSMF22]. **proximal**

[KPTW19]. **pruned** [BB22]. **PSPSO** [HFS⁺21]. **Psychophysi** [NK18]. **publication** [RMM18]. **pulse** [SHvW20]. **pulses** [PS18a, PS18b, PS18c, PS19b]. **PuMA** [FPBM18, FST⁺21]. **pure** [Rag17]. **purpose** [CSK19, Cer19, PMZ21]. **purposes** [AG21]. **PyARPES** [SL20b]. **pyBIMstab** [MASB18]. **pybiometrics** [RK19]. **PyCiGen** [GTC21]. **pycity_scheduling** [SUM21]. **pyCLAMs** [ZWCQ22]. **pyCLARA** [SO21]. **pyCM** [RSMW20]. **pycommute** [Kri22]. **PyDDRBG** [AES⁺22]. **pyEIA** [VCLS21]. **pyEIT** [LYX⁺18]. **pyFIRI** [ZRK21]. **pyGLE** [MD21]. **Pygpc** [WPM⁺20]. **PyGran** [AM19]. **pyGRETA** [SO21]. **pyIMD** [CMMF19]. **PyIVNS** [SABEh20]. **Pykat** [BJR⁺20]. **PyLESA** [LFT21]. **PyLops** [RV20]. **PyMaxEnt** [SR19]. **PyMolPDE** [KSS20]. **PyMOL** [WBS21]. **pyPcazip** [SGA⁺16]. **pyphysio** [BBG⁺19]. **pyPOCQuant** [CRP21]. **pyPRIMA** [SO21]. **pySigmaP** [MAAOZMAM22]. **pysimm** [DFC18, DPF⁺21, FC17]. **PySpike** [MK16]. **PySTPrism** [LDAL20]. **pySuStaIn** [AWO⁺21]. **pyTEP** [RE22]. **pythermalcomfort** [TS20]. **Python** [BK19, DFC18, DPF⁺21, ASAA20, AES⁺22, AWO⁺21, BS21, BST⁺17, BK19, BLE21, BWMS22, BE20, BT21, BB22, BDQ⁺22, BJR⁺20, CGHGRB21, CR22, CBLI22, CC20, CWM⁺21a, CWLG⁺21, Dav21, DyH21, DM20, DFSW19, FRdN21, FC17, FLR22, GMKRS21, GRW⁺19, Gir21, GP22, GQCP⁺18, GEH19, GG21, HBS⁺20, HR20, HM22, HBA⁺20, JM20, KSS20, KS21, KMK⁺21, LRPD18, LYX⁺18, LFT21, MAC⁺21, MCGK19, MTS⁺18, MD21, MPMC21, MTPHH18, MFQ⁺21, MMG19, Mos20, ML18, MK16, OE21, OC20, DDT20, PDS⁺22, RNR17, Ras20, RV20, RE22, RK19, SR19, SUM21, SDP⁺20, SAA18, SABEh20, TS20, VC18, VCLS21, WSK22, WPM⁺20, Wet20, WMM18, YKKD19, ZTC⁺21, ZAPS20, ZC20, ZWCQ22, ZMS18, Zie19, ZRK21, vdOJP⁺20]. **Python-3** [MCGK19]. **Python-based** [Dav21, GP22, VCLS21]. **pythonic** [ENCS20]. **PyTOPS** [YKKD19]. **PyTorch** [SH19]. **pytrax** [TKLG19]. **pyvrft** [BE20].

Q6 [BBP⁺18]. **QALMA** [RLK18]. **QBMMlib** [BCF20]. **QC** [CPD⁺20]. **QCOBJ** [VC18]. **QExpy** [MCGK19]. **QGIS** [ÇA20]. **QL** [FSL16]. **QMC** [KP19]. **QMC-SW** [KP19]. **qNoise** [DI22]. **QTI** [BHHÖ22]. **quadrature** [BCF20]. **quadrature-based** [BCF20]. **Quail** [CBLI22]. **quality** [AISM21, AMVB19, HH21, RLK18]. **Quantification** [SY20, JZGW22, KMK⁺21]. **quantify** [CRP21]. **Quantifying** [BDPZ19]. **QuantImPy** [BT21]. **Quantitative** [BB20b, CAW⁺20, LEFSO20]. **quantity** [VC18]. **quantity-aware** [VC18]. **quantum** [Bjö19, CCH⁺19, KP19, Kri22, MDL⁺18, PBL⁺21, SFK⁺19, SL20a]. **quasi** [MD19, SBL19]. **quasi-static** [MD19]. **Qudi** [BST⁺17]. **queries** [FSL16, MP18]. **queues** [Mic21]. **QXMD** [SFK⁺19].

R [AFGH22, Alb15, Alb19, Amo21, ATCA20, AGdSC20, BSG20, CPD⁺20, CLK21, CBHLG21, DTDd19, FAM⁺20, GZ21a, GZ21b, GMF18, GL15, Han20, Hel22, HRC20, KF17, KOC21, LS16, LF15, LPR21, LLM⁺20, LBL⁺21, NKHZ21, PS22, PDH16, SWCP20, SKD22, SA20, SR17, VV19, Xie22, XYC22, ZGZvB19]. **R-based** [AFGH22]. **radar** [NOÖÇ19]. **radiation** [Ohn21, RLK18]. **radiative** [RS22]. **radiologists** [HKS⁺22]. **Rambrain** [IA17]. **random** [BC22, Byk19, RJH⁺20, SA20, TKLG19]. **RandPro** [SA20]. **range** [TJS18, TJS19]. **RankEval** [LMN⁺20]. **ranking** [LMN⁺20, RJH⁺20]. **rapid** [BLM⁺22, VBA⁺16]. **rate** [BID⁺20]. **ratios**

[HHN20]. **raw** [BHE⁺19]. **ray** [GTG21, KLY21, KPC⁺20, LBG20, PFC⁺18, PKKQ20, PKKQ20]. **raytracing** [Gir21]. **RCE** [BFF⁺21]. **RCrawler** [KF17]. **reaction** [GV20, GV20]. **reactive** [iNKN⁺20]. **read** [DG21, HHN20]. **Real** [CWM⁺21a, XSS20, XSC⁺21, AVB17, Bat19, BHB⁺21, GZW⁺22, MB21, MVRM19, SHvW20, TJS18, TJS19, YKC⁺19, YDMC15, ZRBCI20, HESH19]. **Real-estate** [HESH19]. **Real-space** [XSS20, XSC⁺21]. **Real-Time** [CWM⁺21a, AVB17, BHB⁺21, GZW⁺22, MB21, MVRM19, SHvW20, TJS18, TJS19, YKC⁺19, YDMC15, ZRBCI20]. **realistic** [Deg20]. **Reality** [HKM⁺19, SDCA19, BSVP20]. **RealPi2dDIC** [DEV⁺21]. **recognition** [MML20, SB22, YG19]. **reconstruction** [KPN⁺18, KPTW19, KPC⁺20, KGK⁺20, MBC22, MMG19, MBY22, SR19]. **recorded** [BL16]. **recorder** [LSSK16]. **recording** [SA17]. **red** [GMGG19]. **redistribution** [dISVBLdA⁺17]. **reduced** [SBCK17]. **reduction** [MTPHH18]. **Reference** [BE20]. **refinement** [RDO⁺19]. **reflective** [ACO21]. **reflectivity** [DLH18, PKKQ20]. **Region** [Kar21]. **regions** [SO21]. **RegionTPMS** [Kar21]. **Regression** [BV19]. **Regularisation** [KPTW19]. **REgulation** [PCL22, TT17]. **reinforced** [DRPS21, dQRRBdSM20]. **related** [BBP⁺18, BO19, PS19c, PPBZ21]. **relative** [MTS⁺18]. **relaxation** [BBF⁺19, WMM18]. **RelaxPy** [WMM18]. **Relays** [TDG19]. **relevant** [SAC⁺21]. **reliability** [NSS⁺19]. **Reliable** [MP18]. **remote** [CAW⁺20]. **REMP** [BMBR21]. **rendering** [HMCA15, JFJM22]. **renewable** [JHAMF19]. **Renewables** [GMKRS21]. **Renku** [SGDC22]. **ReNView** [GV20]. **repair** [Ars21]. **Repast** [Giu19]. **repeated** [YLS⁺18]. **replay** [LMM22, LMM22]. **replicate** [HH21]. **replication** [ASRI22]. **replicator** [Arc20]. **RepoFS** [SS19]. **reporting** [HKS⁺22, NFASC21]. **repositories** [SS19]. **repository** [DAB⁺19]. **Representation** [ALRM21, SDP⁺20]. **reproducibility** [HDA21]. **Reproducible** [AMVB19, BLE21, FAM⁺20, SGDC22]. **Republic** [BGCS19]. **requirements** [CNST20]. **Research** [HKM⁺19, O'D21, AMVB19, AG21, APO⁺20, BSRSC18, EPF⁺22, GZW⁺22, HKC⁺18, KHM⁺22, RSL⁺20, ROMH22, TS20, WLP16]. **ResEntSG** [KHG21]. **residual** [RSMW20]. **resilience** [Ull16, ZTC⁺21]. **ResiPy** [ZTC⁺21]. **resolution** [MRMD19, PZ22]. **resolved** [GTG21, JSB20, SL20b]. **resonance** [AHR⁺22, BBB21, RPV⁺20, WDZ⁺20]. **resources** [LMB⁺19]. **response** [FRdN21]. **responses** [SDP⁺20]. **ReSS** [SAC⁺21]. **Restoration** [KHG21]. **REstriction** [BMBR21]. **results** [Alb15, GLR22]. **rethnicity** [Xie22]. **retrieval** [LPR21, OYW⁺21]. **RETSManager** [HESH19]. **reusable** [MKU22]. **Reversible** [CCE21]. **review** [NMLM18]. **Rewriting** [HMCA15]. **rheed** [Dan20, Dan22]. **rheological** [HHH22, HHH22]. **Rheological-Data** [HHH22]. **rheometer** [HHH22, MM16]. **rheometer-inherent** [HHH22]. **rich** [Cha17]. **Riemannian** [KHG21]. **Riesz** [BBB21]. **right** [KM21]. **right-hand** [KM21]. **RISC** [MG22]. **RISC-V** [MG22]. **Risk** [EL20, GPK⁺21]. **River** [SLPR20]. **RmSAT** [NOÖÇ19]. **RmSAT-CFAR** [NOÖÇ19]. **road** [AMA19]. **robot** [AISM21, AOGC⁺20, Geo17, MMS20, YDMC15]. **robotics** [AKM20, BSVP20]. **robots** [MBDS20, SBT22]. **Robust** [HCS⁺20, Gag21, JMT22, NKHZ21]. **ROC** [GZ21a]. **rock** [Ras20]. **ROOT** [Nis20]. **ROS** [MMS20, MBY22]. **rotating** [JAC20, JAC21]. **rotation** [PI17]. **roughness** [OJ22]. **routing** [SBT22]. **RPaSDT** [Fra22]. **RPEExpand** [BBB21].

rsppfp [VV19]. **RTransferEntropy** [BDPZ19]. **rubber** [MM16]. **Ruby** [Rag17]. **rule** [SKM19]. **rule-based** [SKM19]. **rules** [PZKK21]. **Rumor** [Fra22]. **run** [FWB⁺21]. **Runner** [EHGPT19]. **runs** [AAA⁺21]. **Runtime** [SCG⁺20, FSL16]. **RuralSpeedSafetyX** [DW20]. **rust** [ABC⁺20]. **rust-code-analysis** [ABC⁺20]. **RXMD** [iNKN⁺20]. **RxpsG** [SC19].

S2352711016300152 [Web17, Web21]. **S2352711016300395** [DPF⁺21]. **S2352711018300281** [FST⁺21]. **S2352711019303334** [YDN21]. **SADEAT** [AS18]. **safety** [DW20]. **SAGA** [MWJ15]. **SAML** [HTB19]. **sample** [CLK21]. **sampled** [GEH19, SH19]. **samplers** [BCA19]. **samples** [CBHLG21, LBG20]. **sampling** [CK21, LMS⁺16, NSLD16]. **sap** [OHO16]. **SAS** [RMM18, HDA21]. **Sas-temper** [HDA21]. **satellite** [SDL21]. **saving** [HHH22]. **Scaffolding** [RLN21]. **scaffolds** [Kar21]. **Scala** [RLF⁺21]. **Scalable** [ENCS20, KBB19, Krä20, Mos20, iNKN⁺20, RV20, VDP⁺19, HGWM18, TDG19]. **Scale** [BO19, AMVB19, BFRK19, COG19, DZZ⁺22, GMNG⁺18, LBT⁺21]. **scale-based** [GMNG⁺18]. **scales** [BSG20]. **scaling** [RRSK18]. **scanning** [Rub16]. **scattering** [HDA21, SF16]. **scattering-integral-based** [SF16]. **scbursts** [DTDd19]. **scenario** [KPM⁺22]. **scene** [YG19]. **scheduling** [SUM21]. **Science** [BFF⁺21, FWB⁺21, SCG⁺20, AHtH20, BBG⁺19]. **Scientific** [HKM⁺19, DAB⁺19]. **Scopus** [RK19]. **scoring** [MLTF⁺18]. **SCOUT** [SY20]. **SCRAMBLE** [O'D21]. **scraping** [KF17]. **screening** [BMBR21]. **script** [HL22]. **Scriptable** [RK19]. **Scripts** [GTC21]. **SCSV_IPS** [JAC21]. **sDNA** [CC20]. **SDPTool** [PAK22]. **sea** [MP17]. **Seamless** [KPSM17, JFJM22]. **Search** [FBA⁺22, She19, CDAOB⁺20]. **SEC** [LPR21]. **secml** [PDS⁺22]. **second** [AAA⁺21, Tak22]. **section** [Ohn21]. **sectional** [AZ17]. **sections** [AS17, dQRRBdSM20]. **Secure** [PDS⁺22]. **Security** [PCL22]. **SED** [Dav21]. **SEDBYS** [Dav21]. **SEG** [SC17]. **SEG-Y** [SC17]. **segmentation** [RKDP21, UVPB⁺22]. **Segy** [SC17]. **Segy-change** [SC17]. **seismic** [ACR22, AS17, Elk22, MMCKK21, SF16]. **selecting** [PPRE17]. **selection** [HFS⁺21, Kur21, LIZ⁺20, NBCC19, REFB17, YG19]. **self** [NFASC21]. **self-reporting** [NFASC21]. **sEmanNTIc** [HSMF22]. **Semantic** [TCH⁺22, CM19, FVD20]. **semi** [CLM⁺20, FS19, FVD20]. **semi-analytical** [FS19]. **semi-automated** [CLM⁺20]. **sensed** [SOS19]. **Sensing** [RPV⁺20]. **sensitive** [DG21]. **sensitivity** [HRC20, SF16, WPM⁺20]. **sensor** [CCBC⁺21, HTV22]. **sensors** [DTD17, Sur20]. **sentiment** [ASRI22]. **SentinAir** [Sur20]. **SepINav** [STH⁺21]. **sepsis** [STH⁺21, STH⁺21]. **Sequence** [PMP16, AS17, BSB20, TBCG21]. **sequences** [BCA19, HM22, KSFG18, WBS21]. **sequencing** [CdSLCC20, HHN20]. **sequential** [HVB16, BCA19]. **serialization** [DRM20]. **Series** [BFF⁺20, FBA⁺22, ASAA20, Amo21, BDPZ19, VVDV22, NKHZ21, PR19, SM19, vKMH⁺20]. **sets** [SAC⁺21]. **setups** [CWM⁺21a]. **severity** [SB22]. **SfM** [MBC22]. **SFRAT** [NSS⁺19]. **ShakerMaker** [ACR22]. **shallow** [BFDD⁺22]. **Shape** [Bla21]. **share** [IAW⁺15]. **shear** [JAC21]. **SHEMAT** [KRB⁺20]. **SHEMAT-Suite** [KRB⁺20]. **Sherpa** [HCS⁺20]. **Shiny4SelfReport** [NFASC21]. **Shk** [KZ18]. **Shk-9** [KZ18]. **short** [DG21, MT19]. **Short-Time** [MT19]. **shortening** [FG20]. **shortest** [VV19]. **shotgun** [HH21]. **shRNA** [KSP19]. **SIAR** [dlSVBLdA⁺17]. **side** [KM21]. **SIFM** [NK20]. **Signal**

[BAEBAS19, AHR⁺22, BBG⁺19, BO19, LSSK16, MRMD19, PMM16, SY20]. **signals** [SOS19]. **signature** [JS19]. **SiLA** [BLM⁺22]. **silico** [ME17]. **Sim** [MBDS20]. **SimApi** [PMMF19]. **similarity** [LSB⁺20, ZC20]. **Simple** [GMGG19, BS21, KKAUA21, KP19, TKLG19]. **simplifies** [ACR22]. **simplify** [GQCP⁺18, BB22]. **Simplifying** [AGHK21, GCP22]. **SimPrily** [GQCP⁺18]. **simulate** [BSG20, Deg20, EBGCT21, MD19]. **Simulating** [DL16, KRB⁺20, ME17]. **Simulation** [AGHK21, BBJ⁺18, CPUARC20, XSS20, dSBS17, ACR22, AM19, AVCP⁺21, CS21, CNST20, Dan20, DFC18, DPF⁺21, FPI⁺22, FC17, GSP⁺17, GSF21, HVB16, HS20, MG22, MBDS20, MB21, NBM⁺19, NBS⁺21, PMMF19, PKKQ20, PMM16, PGA⁺20, PS18a, PS18b, PS18c, PS19a, PS19b, RDH⁺21, RRS18, SFG21, SGA⁺16, SDH20, SL21, YKC⁺19, XSC⁺21, vdOJP⁺20]. **simulations** [AMS⁺15, BCR⁺18, BS19, CWM⁺21b, DyH21, DS20, GQCP⁺18, GCP22, LFR⁺20, NR16, OT16, PBL⁺21, RE22, RAS19b, SSP21, SB22, VRBM16, SNHS20]. **Simulator** [CVD21, BSVP20, HTV22, MVRM19, Nev17, iNKN⁺20, Ull16, Zhu15, vKH20, KJW21]. **simulators** [AFA22]. **single** [AFA22, CLM⁺20, CMMF19, DTDd19, SHvW20, SR17]. **single-cell** [CLM⁺20]. **single-channel** [DTDd19]. **single-tree** [AFA22]. **singular** [LSMG19]. **SIP** [YKC⁺19]. **SIR** [SL18]. **SIRR** [AMC17]. **Sismic** [DM20]. **site** [BMBR21]. **site-directed** [BMBR21]. **SiTree** [AFA22]. **situ** [DEV⁺21]. **SIVR** [JFJM22]. **Size** [MT19, CLK21, Fru21]. **Sizes** [Ras21]. **skin** [YDMC15]. **Skinware** [YDMC15]. **Sleep** [MLTF⁺18]. **slender** [AZ17]. **slope** [Alb19, MASB18]. **slope-dependent** [Alb19]. **small** [HDA21, SB21]. **small-angle** [HDA21]. **smart** [HSMF22, LFT21, ROMH22]. **smartgrid** [PMMF19]. **smartphone** [PFJM19]. **smoothed** [LLK⁺20]. **SMS** [CUSRCP⁺22]. **SMS-Builder** [CUSRCP⁺22]. **soccer** [MML20, MML20]. **social** [AKM20, YLS⁺18]. **soft** [MBDS20]. **Software** [AOGC⁺20, BBB21, Bla21, CKM21, DBJ19, DSI⁺20, EL20, HKC⁺18, HDA21, KLY21, LCMD⁺18, LMS⁺16, MDG22, MBU⁺19, PPRE17, SA17, SLWS⁺17, YDN21, dISVBLdA⁺17, AFGH22, ANA16, ACO21, AAL⁺22, AI21, ACNF22, BSRSC18, BMBR21, BFV18, BJM⁺19, BGGL20, Bjö19, BO19, BWMS22, BDSC22, CUSRCP⁺22, CCC⁺21, CWLG⁺21, EPF⁺22, FPBM18, FST⁺21, FSL16, FHA17, GMGG19, GMNG⁺18, HHH22, HLP⁺19, IAW⁺15, JAC21, JZGW22, Jun21, KKN⁺22, KSS20, KS21, KKAUA21, KPN⁺18, KPOD16, KMIG20, LEFSO20, LJML20, LKSS20, LSB⁺20, LBG20, MP17, MPAK19, MP20, MBF20, MASB18, MAAOZMAM22, NSS⁺19, NMLM18, NK20, NM20, PAK22, PMMF19, PKKQ20, PS19a, PBL⁺21, PDTG17, RWJ⁺21, dQRRBdSM20, RJH⁺20, RDH⁺21, SR19, STH⁺21, SOS19, SP19, SMR22, SGDC22, Sur20, SBT22, WLP16, WGB16, Web17, Web21]. **software** [WW17, ZAPS20, ZRK21, CLM⁺20, FG20, HHN20, KF22, KGK⁺20, NSS⁺19, Ras19a, SKM19, YD20, ZRK19]. **SoftwareX** [RNK22, Ric19]. **Soil** [AMC17, dISVBLdA⁺17]. **soils** [MAAOZMAM22]. **Solid** [GSF21, SP19]. **solution** [ACO21, iNKN⁺20]. **solutions** [FS19, MP18]. **solver** [AG21, BBB⁺20, BFDD⁺22, HOM⁺18, LK21, MB21, MMS21, SL18, SWK19, Wil17]. **solveTruss** [Ozb17]. **solving** [BDF⁺20, Kor21, KM21, MD21, TTT19]. **somatosensory** [MMS20]. **sorting** [DTDd19]. **SOUL** [RLF⁺21]. **Sound** [BMR17]. **Source** [Fra22, MVBF19,

AHtH20, ABC⁺20, BSdG⁺22, BSRSC18, BDF⁺20, BGGL20, BK19, BC20, BBB⁺20, BL16, BDSC22, BTMB21, CR22, Cer19, CBLI22, CBS⁺16, DEV⁺21, DAB⁺19, DS20, Elk22, EPF⁺22, GV20, GMNG⁺18, HGG20, HT18, IAW⁺15, KKN⁺22, KH19a, KRB⁺20, KPM⁺22, LEFSO20, LK21, LSB⁺20, MP17, ML20, MMCKK21, Mic21, MKR⁺21, MAAOZMAM22, MBY22, NFASC21, ODE⁺22, OHO16, OAF20, OE21, PFC⁺18, PNL⁺21, PKA⁺22, PBL⁺21, RMM18, ROMH22, RSMW20, Rub16, RRSK18, SFK⁺19, SDH20, SMR22, VRG19, WGB16, Web17, Web21, WdZ⁺20, ZRK21, AGVM20, RAL22, UVPB⁺22]. **source-to-source** [BC20]. **SP** [SP19]. **SP-Wax** [SP19]. **space** [BHHO22, CNST20, Has18, KBB19, LDAL20, MP18, SNW⁺21, XSS20, XSC⁺21]. **space-time** [KBB19, LDAL20]. **spanning** [CA20]. **SPARC** [XSS20, XSC⁺21]. **sparse** [LRPD18, SOS19]. **spatial** [BGCS19, CC20, GEH19, PS19c, PZ22]. **spatially** [BSG20, ZR19]. **Speaker** [LVK21]. **specialization** [NBCC19]. **species** [BSG20, KRB⁺20]. **Specific** [dlSVBLdA⁺17, HHH22, Kri22]. **spectra** [PS18a, PS18b, PS18c, PS19a, PS19b, dSBS17]. **SpectraFox** [Rub16]. **spectral** [KAK21]. **spectral-boundary-integral** [KAK21]. **spectrograms** [MRMD19]. **spectrometers** [LJML20]. **Spectrometry** [CRF21]. **spectroscopies** [SL20b]. **Spectroscopy** [SC19, BDSC22, GCdJAURO21, Rub16]. **spectrum** [LSMG19]. **speech** [BL16]. **SPGM** [HGWM18]. **SpharaPy** [GEH19]. **sphere** [ANOU21, BC22]. **spike** [MK16]. **spin** [JAC20, JAC21, MFQ⁺21]. **spin-polarizers** [MFQ⁺21]. **spin-up** [JAC20]. **Spine** [KPM⁺22]. **SpinUpFlowDescriptor** [JAC20]. **split** [GLR22]. **splitting** [KPTW19]. **sports** [MML20]. **spot** [DAB⁺19]. **spray** [BSG20, HS20]. **spray-drift** [BSG20]. **spreadsheet** [SKM19]. **SRC_Num_TDOA** [BL16]. **SSA** [LSMG19, LSMG19]. **stability** [MFCSÁM20, MASB18]. **Stable** [dlSVBLdA⁺17]. **stack** [THT20]. **Stage** [AWO⁺21, MMS21]. **stain** [TGS⁺19]. **stain-free** [TGS⁺19]. **standalone** [OT16]. **standard** [OE21, SEL⁺16, DZZ⁺22]. **standardized** [GMF20, MWJ15]. **Stars** [Dav21]. **starting** [TT17]. **statechart** [DM20]. **states** [KLY21, PS19c]. **Static** [Ozb17, AES⁺22, KDHG20, MD19, SBL19]. **Station** [KP20]. **stationary** [BAEBAS19]. **statistical** [BWMS22, HVB16, HR20]. **Statistics** [RNG⁺21]. **StatMechGlass** [BWMS22]. **status** [BBJ⁺18]. **stegomalware** [CSZM22]. **stencil** [GÓ19]. **step** [MFCV20]. **Stepwise** [SSSH16]. **stereo** [BL16]. **STFT** [MT19]. **STFT-FD** [MT19]. **stimulating** [AOGC⁺20]. **StimVis** [Kul20]. **STL_Process** [AISM21]. **stochastic** [CR22, KPOD16, OE21, AS18]. **Stokes** [AG21, Wil17]. **store** [Krä20]. **storing** [FHB⁺21]. **strain** [AAN17]. **strategies** [GSP⁺17]. **strategy** [Arc20, IIS18]. **stratified** [MPAK19]. **stratigraphic** [AS17]. **streaming** [SM19]. **streams** [HT18]. **stress** [RSMW20]. **STRON** [BFV18]. **structural** [CCBC⁺21, WKR⁺20]. **Structure** [HOM⁺18, BWMS22, RRSK18, DZZ⁺22]. **Structured** [ALRM21, HKS⁺22, ST21]. **structures** [AZ17, CLDdM22, KDHG20, KBB19, OT16]. **strut** [OJ22]. **StrutSurf** [OJ22]. **studies** [BLE21, CUSRCP⁺22, SGDC22]. **study** [AMA19, IAW⁺15, TLDM19]. **studying** [LKSS20, NIY16]. **SUB** [PRSS19]. **subscale** [MVBF19]. **Subsequence** [FBA⁺22]. **subsidence** [PRSS19]. **substances** [Zie19]. **subsurface** [LBH⁺20]. **Subtype** [AWO⁺21]. **suit** [KMIG20]. **suite** [BST⁺17, CC21, SO21, TS21, WW17, KRB⁺20]. **SULISO** [WW17]. **Summary** [HR21]. **supercomputers** [AMS⁺15]. **Superscalar** [BCD⁺15]. **support** [DW20, MCGK19,

MFCSÁM20, PZKK21, RJH⁺20]. **supported** [RJH⁺20]. **Supporting** [HBS⁺20, GMF18]. **surface** [AHR⁺22, LCMD⁺18, OJ22, RPV⁺20]. **surface-based** [LCMD⁺18]. **surfaces** [Alb19, Kar21]. **SurfRCaT** [CAW⁺20]. **surreal** [Rou19, Rou19]. **survey** [MTS⁺18, PFJM19, YLS⁺18, BLE21]. **Sustainable** [AMC17]. **SW** [KP19]. **swarm** [HFS⁺21]. **Sweep** [O'D21]. **sweeps** [Bac21]. **SWIGLAL** [Wet20]. **Swiss** [FVA⁺20, SC17]. **Switch** [JHAMF19]. **swSim** [GSF21]. **Symbolic** [FLR22, CCO21, NK20, NK20]. **synchronizer** [HESH19]. **synchrony** [MK16]. **synchrophasor** [AVB17, BFV18, VJA⁺18]. **synchrophasor-based** [VJA⁺18]. **synthetic** [SMR22]. **System** [BCR⁺18, PZ22, AKM20, AHtH20, AHR⁺22, AGdSC20, BHB⁺21, CS21, CR22, DTD17, FLR22, Gök21, GCP22, KPM⁺22, LBT⁺21, MMS20, MKR⁺21, ODE⁺22, PZKK21, SS19, SO21, SP22, Sur20, TJS18, TJS19, VJA⁺18, YKC⁺19, GPW⁺20]. **systematic** [CUSRCP⁺22, NMLM18]. **Systems** [BCR⁺18, LFT21, VRBM16, CCH⁺19, DFC18, DPF⁺21, FC17, GV20, JHAMF19, KHG21, KMIG20, KM21, MB21, MVRM19, SAC⁺21, SL18, SUM21, SP19, SAA18, SL20a, YD20, YDN21, ZTC⁺21].

T [SGB⁺22]. **TabbyXL** [SKM19]. **Takin** [Web17, Web21, WGB16]. **takos** [LLM⁺20]. **talk** [vDPI⁺18]. **tangent** [PG18]. **target** [BSG20, NOÖÇ19]. **Targeting** [BGCS19]. **task** [HBS⁺20]. **tasks** [NGK⁺20]. **Tau** [KF22]. **TauFactor** [CBS⁺16]. **Taylor** [LFR⁺20]. **TBTK** [Bjö19]. **Tchakaloff** [BV19]. **TDOA** [BL16]. **teaching** [AG21, CBLI22, HBS16]. **technique** [AAN17]. **technologies** [JMT22]. **temper** [HDA21]. **temperature** [CCFSB20, RS22]. **temperature-dependent** [RS22].

template [Bac21]. **template-based** [Bac21]. **temporal** [OPPZ22, PS19c, Pos22, PZ22]. **tendon** [KH19a]. **TendonMech** [KH19a]. **Tennessee** [DK19, RE22]. **Term** [MVBF19]. **test** [ACNF22, BGGL20, Ben15, GLR22]. **testing** [CSZM22, DM20, MAAOZMAM22]. **Tests** [CRP21]. **TFMLAB** [BFSJP⁺21]. **TFSAP** [BO19]. **tgcd** [PDH16]. **their** [BL16, CAW⁺20, MIHS21]. **theory** [LSOM18, SLWS⁺17]. **therapy** [RLK18]. **Thermal** [TSCH20, BDQ⁺22, DSI⁺20, FS19, LLM⁺20, OHO16, TS20]. **thermally** [NR16]. **thermodynamic** [SLBC⁺20, SP19]. **Thermofeel** [BDQ⁺22]. **thermoluminescence** [PDH16]. **thermostat** [RS22]. **thickness** [MMCKK21]. **thin** [Dan20, ZWM21]. **thread** [dRB⁺20]. **thread-level** [dRB⁺20]. **three** [AI21, BC22, LKSS20, MP18, PFC⁺18, RRS18]. **three-dimensional** [AI21, LKSS20, MP18, PFC⁺18, RRS18]. **throughput** [GQCP⁺18, OLRLB21]. **Time** [BO19, BAEBAS19, CWM⁺21a, ASAA20, AVB17, Amo21, BCR⁺18, BDPZ19, BHB⁺21, VVDV22, FHB⁺21, GZW⁺22, GTG21, HHH22, Hel22, JSB20, KBB19, LS16, LDAL20, MWM20, MRMD19, MB21, MVRM19, NKHZ21, iNKN⁺20, PR19, PO19, RMMG21, SHvW20, SOS19, SM19, TJS18, TJS19, VRBM16, YKC⁺19, YDMC15, ZRBCI20, vKMH⁺20, BFF⁺20, FBA⁺22, MT19, OPPZ22]. **Time-Aware** [OPPZ22]. **time-delayed** [RMMG21]. **time-domain** [BCR⁺18, VRBM16]. **Time-Frequency** [BO19, BAEBAS19, MRMD19, SOS19]. **time-interval** [FHB⁺21]. **time-resolved** [GTG21]. **time-saving** [HHH22]. **Time-Scale** [BO19]. **time-to-solution** [iNKN⁺20]. **time-varying** [Hel22]. **TimeAwareBPMN** [OPPZ22]. **TimeAwareBPMN-js** [OPPZ22]. **times** [MFCV20]. **TMS** [Kul20]. **TMS-induced** [Kul20]. **TOMATO** [WDZ⁺20].

tomographic

[CBS⁺16, KPTW19, KPC⁺20, MMG19].
tomography [KGK⁺20, PFC⁺18, LYX⁺18].
TomoPhantom [KPN⁺18]. **TomoWarp2** [TACH17]. **Tool** [AS18, GMKRS21, NSS⁺19, WM21a, AT22, ATT21, AGVM20, ACNF22, BS19, BAEBAS19, BB20a, BBF⁺19, BDSC22, CUSRCP⁺22, CSK19, CdSLCC20, Cer19, CFA22, CAW⁺20, CRP21, DW20, DSI⁺20, Ek16, FJ22, Fru21, GABH22, GPK⁺21, GP22, HHH22, HA19, JM20, KZ18, KSFG18, Kul20, LSB⁺20, LDM20, LBH⁺20, LFT21, MG22, MFCSÁM20, MLTF⁺18, MWM20, MBDS20, MGK⁺20, MIHS21, MBI20, MBY22, Nai17, NK18, OPPZ22, OHO16, OJ22, PAK22, PMM16, PS19c, RNK21, RNK22, RAL⁺20, RRS18, RMMG21, Rub16, STH⁺21, SAC⁺21, SSP21, SCG⁺20, SABEH20, Sur20, SBT22, TBCG21, TSCH20, TSMT19, TTT19, UdL20, VDCL20, YKKD19, dISVBLdA⁺17, BGCS19, PCL22, Pos22, TSCH20, CGS19].
Toolbox [CHL⁺19, EBGCT21, KP20, RNG⁺21, WDZ⁺20, AL16, BFSJP⁺21, BID⁺20, DZZ⁺22, GCdJAURO21, GEH19, tHLMN19, HL22, JAC20, KAO⁺21, LMN18, MCC20, MMG19, Nas20, PMNWR20, PNL⁺21, RCT20, RL19, SF16, Sil20, SRML17, VBA⁺16, WPM⁺20, BB20b, KPM⁺22, NK18, SY20, UVPB⁺22]. **Toolkit** [HMCA15, APO⁺20, BBP⁺18, CCH⁺19, KPTW19, Kri22, LVK21, MD21, OAF20, RLK18, SGBH18, SGA⁺16, Zaj20, ZWCQ22, ASAA20, BMR17, BHCT16, Fra22, KSFG18].
toolkits [RSL⁺20]. **Tools** [AVB17, HKC⁺18, CAW⁺20, MB21, SDCA19, LDAL20, Zie19]. **toolset** [MBC22].
topographical [Zek17]. **topology** [BTMB21, IZBT21, TC20]. **TopoZeko** [Zek17]. **TOPSIS** [YKKD19]. **torcpy** [HBS⁺20]. **tortuosity** [CBS⁺16, TKLG19].
Total [WDZ⁺20]. **TOUGH** [BB20a].
TOUGH2Viewer [BB20a]. **Towers** [AI21].
TPMS [Kar21]. **trace** [ATCA20, LHCK18].

track [SDCA19, LKSS20]. **TRACK_P** [NIY16]. **tracker** [KH19b, Car21]. **Tracking** [JSB20, CLM⁺20, HS20, LKSS20, TGS⁺19, Zaj20]. **TrackPad** [CLM⁺20]. **tracks** [NIY16, WTZ⁺21]. **traction** [BFSJP⁺21].
tractography [Kul20]. **TraCurate** [WTZ⁺21]. **traffic** [LSSK16]. **train** [MK16].
training [SWCP20]. **trajectory** [BHHÖ22].
transcriptome [TT17]. **Transfer** [ZWM21, BDPZ19, MPMC21, SAA18].
Transform [MT19, KOC21, MTS⁺18, SM19, YC19].
transformation [GVAO19, SKM19].
transforms [WSK22]. **transient** [MPMC21, RAL⁺20]. **transients** [SHvW20].
transistors [O'D21]. **transition** [BSdG⁺22, JMT22]. **Transmission** [RAL22]. **transparencies** [MVBF19].
transport [FHA17, KRB⁺20, Ohn21, SLBC⁺20].
TraSER [LSSK16]. **travel** [PFJM19].
traveltime [Gir21]. **tree** [AFA22, ÇA20, Mos20, SRML17]. **trees** [GZ21a, GZ21b, MIHS21, RKDP21].
TreeSwift [Mos20]. **TreeTool** [MIHS21].
Trial [RLN21]. **trials** [RLN21]. **triply** [Kar21]. **trusses** [Ozb17]. **TSFEL** [BFF⁺20]. **tsflex** [VVDV22]. **tsrobprep** [NKHZ21]. **TSSEARCH** [FBA⁺22]. **ttcrpy** [Gir21]. **TumorDecon** [AAL⁺22]. **Tuner** [FLR22]. **Tuning** [BE20]. **turbulence** [BDF⁺20, SL21]. **turbulent** [LFR⁺20, ML18, SL21]. **twin** [ZRBCI20].
TWINKLE [ZRBCI20]. **twins** [PMZ21].
two [NR16, Taq16, ZNS17, AT22].
two-dimensional [ZNS17]. **two-hole** [Taq16]. **two-particle** [Taq16]. **two-phase** [NR16, AT22]. **tx2_fcnn_node** [MBY22].
U.S. [LPR21]. **UF** [MCC20]. **uFTIR** [CBHLG21]. **UGUCA** [KAK21].
ultrasonic [CCBC⁺21]. **ultrasound** [GZW⁺22]. **Unbiased** [Nis20]. **Uncertainty** [SY20, KMK⁺21, SCPC18, WPM⁺20,

tHLMN19, LMN18]. **undergraduate** [MCGK19]. **Undersampling** [RLF⁺21]. **uniform** [MFQ⁺21, BBF⁺19]. **uniformly** [GEH19]. **unify** [APO⁺20]. **unit** [BDSC22]. **United** [PS19c]. **units** [Zhu15]. **Unity3D** [Che21]. **univariate** [LF15]. **Universal** [ANOU21]. **unknown** [LIZ⁺20]. **unmodeled** [DKL⁺21]. **Unresolved** [MVBF19]. **unstructured** [AG21]. **unsynchronized** [BCA19]. **Update** [AGH20, BCR⁺18, Dan22, DFC18, DPF⁺21, FST⁺21, tHLMN19, NBS⁺21, PS18b, PS18c, PS19b, RtHLMN20, TJS19, Web17, Web21, YDN21, Ars21, BFRK19]. **Upen2DTool** [BBF⁺19]. **UPStream** [EL17]. **urban** [SR20]. **use** [CA18, CAW⁺20, DSJ⁺22]. **User** [MCC20, ANA16, MTS⁺18, RtHLMN20, SMR22, MM16]. **User-Friendly** [MCC20]. **Usiigaci** [TGS⁺19]. **using** [AMVB19, BCA19, BDPZ19, BS21, BS19, BC20, BWMS22, BDSC22, DL16, DK19, DSI⁺20, GZ21a, GL15, GCP22, HFS⁺21, HHN20, HLP⁺19, Jun21, MLTF⁺18, MIHS21, NK20, NGK⁺20, Nis20, OLRLB21, PFC⁺18, PS19a, RK19, STH⁺21, SWCP20, SDCA19, XYC22, YC19, dISVBLdA⁺17]. **UT** [HLW⁺16]. **utility** [Bac21]. **utilizing** [SF16].

V [MG22]. **v.1.00** [dISVBLdA⁺17]. **v1.0** [Ozb17, PMM16, MD19]. **v1.1** [PS18b]. **v1.2** [PS18c]. **v1.3** [PS19b]. **v2.0** [MM16]. **valence** [BBP⁺18]. **validated** [PKA⁺22]. **validating** [CNST20]. **valued** [SABEh20]. **values** [Kar21, MTS⁺18]. **vapourisation** [FPI⁺22]. **vapourisation-inducing** [FPI⁺22]. **variant** [HHN20]. **variation** [PS19c, YC19]. **varying** [Hel22]. **vector** [BTMB21, RJH⁺20]. **vectors** [GMF18, KM21, TDG19]. **velocimetry** [BGGL20, JSB20]. **verification** [LVK21, OPPZ22]. **versatile** [FHA17, KH19b]. **version** [LNS15, RS22, ZNS17]. **versions** [CA18]. **vessel** [HKF⁺20]. **via** [CDAOB⁺20, KHG21, PR19, SKD22]. **vibrational** [WW17]. **video** [AMVB19, SP22, TDG19, TDG19]. **view** [SS19]. **Viewer** [GV20, Ohn21]. **viewing** [LMS⁺16]. **vine** [Cob21]. **Virgo** [AAA⁺21]. **ViroCon** [HLP⁺19]. **Virtual** [AVCP⁺21, HKM⁺19, SDCA19, BSVP20, BE20]. **virtually** [IA17]. **viscosity** [JAC21]. **VisExpA** [TC20]. **Visibility** [TC20]. **vision** [RSL⁺20]. **visual** [AI21, HHN20, Taq16, Zaj20]. **visualisation** [WGB16, Web17, Web21]. **visualizable** [IKYY22]. **visualization** [DAB⁺19, GPK⁺21, GV20, MTPHH18, RNK21, RNK22, RL19, UVPB⁺22, VEM⁺18, Zek17, HMCA15]. **visualizations** [TSCH20]. **visualize** [LMB⁺19, SDCA19]. **vkpolybench** [CC21]. **vocal** [SA17]. **VOF** [SNHS20]. **VOF-simulations** [SNHS20]. **voice** [TJS18, TJS19]. **voltages** [JM20]. **Volume** [HS20, AG21, JFJM22, TACH17]. **Volume-of-Fluid** [HS20]. **Voronoi** [BB20a]. **vortex** [LDM20]. **VortexFitting** [LDM20]. **voxel** [LDAL20, MBDS20]. **voxel-based** [LDAL20, MBDS20]. **VSR** [MBDS20]. **VT** [ZRK19]. **VTK** [HMCA15]. **vulcanization** [MM16]. **Vulkan** [CC21]. **Vyazovkin** [DSI⁺20].

WACline [MDG22]. **WAF** [VDCL20]. **WAF-A-MoLE** [VDCL20]. **WAFs** [VDCL20]. **walk** [RJH⁺20, TKLG19]. **walker** [Hel22]. **Water** [SEL⁺16, BFDD⁺22, EL17, FVA⁺20]. **water-wave** [BFDD⁺22]. **Wave** [CKM21, BFDD⁺22, CCC⁺21, CCBC⁺21, DHK⁺20, DKL⁺21, FHB⁺21, GSF21, MAC⁺21, MVBF19, PDTG17, RCT20, RAL⁺20, RRS18, SWK19, Wet20]. **WaveBurst** [DKL⁺21]. **waveform** [SF16]. **wavelet** [SM19]. **WaveMaker** [RRS18]. **Wax** [SP19]. **Way** [PI17]. **weather**

[ABM⁺21, BS19]. **web** [AMA19, CS21, GZR⁺19, JFJM22, KF17, LMM22, NMLM18, SMR22, ACO21, AHR⁺22, DLH18, MDG22, RLN21, SMR22, VEM⁺18]. **web-applications** [LMM22]. **web-based** [AMA19, CS21, NMLM18, SMR22, AHR⁺22, VEM⁺18]. **WebRISC** [MG22]. **WebRISC-V** [MG22]. **weeks** [SA17]. **well** [AS17]. **WENO** [GKM20]. **wheel** [HLW⁺16]. **WheelerLab** [AS17]. **Whisper** [DG21]. **whole** [CdSLCC20]. **whole-exome** [CdSLCC20]. **wide** [MTPHH18, VJA⁺18]. **wide-area** [VJA⁺18]. **Window** [MT19]. **wireless** [HTV22]. **WITec** [HL22]. **within** [ADSG⁺20, Nis20]. **without** [PG18]. **WITio** [HL22]. **WLDT** [PMZ21]. **Workflow** [SDCA19, BLM⁺22, KPM⁺22, KP19]. **workflows** [AGHK21, FWB⁺21, KPSM17, NGK⁺20]. **working** [FVA⁺20]. **workspaces** [GG21]. **worm** [Jun21]. **Written** [CKM21, CWLG⁺21, IZBT21].

X [GTG21, KLY21, KPC⁺20, LBG20, PFC⁺18, PKKQ20]. **X-Ray** [PKKQ20, GTG21, KLY21, KPC⁺20, LBG20, PFC⁺18, PKKQ20]. **XAMG** [KM21]. **XaNSoNS** [Nev17]. **XBRL** [She19]. **Xcompact3D** [BDF⁺20]. **XDrift** [BSG20]. **XISMuS** [LBG20]. **XMHFL** [KLY21]. **XML** [Nai17]. **XML/HTML** [Nai17]. **XReport** [HKS⁺22]. **xSPDE** [KPOD16].

YADE [HGS17]. **YADPF** [MKU22]. **YAWL** [AHtH20]. **Year** [BS19]. **YOLO** [AOGC⁺20]. **Young** [Dav21].

Zeolite [AGHK21]. **zero** [PR19]. **zero-delay** [PR19]. **zfit** [ENCS20]. **zonal** [WM21a]. **zones** [ZRK19]. **ZWT** [CPV⁺20]. **ZZ** [MP17].

References

Abbott:2021:ODF

Rich Abbott, Thomas D. Abbott, Sheelu Abraham, Fausto Acernese, and 1243 others. Open data from the first and second observing runs of Advanced LIGO and Advanced Virgo. *SoftwareX*, 13(??): Article 100658, January 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000030>.

Aronow:2022:TDC

Rachel A. Aronow, Shaya Akbarinejad, Trang Le, Sumeyye Su, and Leili Shahriyari. TumorDecon: a digital cytometry software. *SoftwareX*, 18(??):??, June 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000528>.

Aldrich:2017:OCO

Daniel R. Aldrich, Cagri Ayranci, and David S. Nobes. OSM-Classic: an optical imaging technique for accurately determining strain. *SoftwareX*, 6(??):217–224, ???? 2017. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300407>.

- [AANA19] **AlHamaydeh:2019:IPP**
 Mohammad AlHamaydeh, Nader Aly, Mohamad Najib, and Sameer Alawnah. INSPECT-PBEE: a performance-based earthquake engineering GUI for IDARC-2D. *SoftwareX*, 9(??):132–144, January/June 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300323>.
- [ABB+19] **Argaez:2019:LPC**
 Carlos Argáez, Jean-Claude Berthet, Hjörtur Björnsson, Peter Giesl, and Sigurdur Freyr Hafstein. LyapXool — a program to compute complete Lyapunov functions. *SoftwareX*, 10(??):Article 100325, July/December 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302109>.
- [ABC+20] **Ardito:2020:RCA**
 Luca Ardito, Luca Barbato, Marco Castelluccio, Riccardo Coppola, Calixte Denizet, Sylvestre Ledru, and Michele Valsesia. `rust-code-analysis`: a Rust library to analyze and extract maintainability information from source codes. *SoftwareX*, 12(??):Article 100635, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303484>.
- [ABM+21] **Afanasyev:2021:GFP**
 Anton Afanasyev, Mauro Bianco, Lukas Mosimann, Carlos Osuna, Felix Thaler, Hannes Vogt, Oliver Fuhrer, Joost VandeVondele, and Thomas C. Schulthess. `GridTools`: a framework for portable weather and climate applications. *SoftwareX*, 15(??):??, July 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000522>.
- [ACNF22] **Aubertine:2022:CST**
 Jacob Aubertine, Kenan Chen, Vidhyashree Nagaraju, and Lance Fiondella. A covariate software tool to guide test activity allocation. *SoftwareX*, 17(??):??, January 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001588>.
- [ACO21] **Almeida:2021:BCW**
 João R. Almeida, Leonardo Coelho, and José L. Oliveira. `Bcenter`: a collaborative Web ETL

- solution based on a reflective software approach. *SoftwareX*, 16(??):??, December 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001497>.
- [ACR22] **Abell:2022:SFS**
 José A. Abell, Jorge G. F. Crempien, and Matías Recabarren. **ShakerMaker**: a framework that simplifies the simulation of seismic ground-motions. *SoftwareX*, 17(??):??, January 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102100159X>.
- [ADSG+20] **Anand:2020:GIA**
 Manish Anand, Jed A. Diekfuss, Alexis B. Slutsky, Ganesh, Scott Bonnette, Dustin R. Grooms, and Gregory D. Myer. Graphical interface for automated management of motion artifact within fMRI acquisitions: INFOBAR. *SoftwareX*, 12(??):Article 100598, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303113>.
- [AES+22] **Ahrari:2022:PPF**
 Ali Ahrari, Saber Elsayed, Ruhul Sarker, Daryl Essam, and Carlos A. Coello Coello. PyDDRBG: a Python framework for benchmarking and evaluating static and dynamic multimodal optimization methods. *SoftwareX*, 17(??):??, January 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001850>.
- [AFA22] **Anton-Fernandez:2022:SFI**
 Clara Antón-Fernández and Rasmus Astrup. **SiTree**: a framework to implement single-tree simulators. *SoftwareX*, 18(??):??, June 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001667>.
- [AFGH22] **Abdollahi:2022:CRB**
 Masoud Abdollahi, Babak Farjad, Anil Gupta, and Quazi K. Hassan. **CMP6-D&A**: an R-based software with GUI for processing climate data available in network common data format. *SoftwareX*, 18(??):??, June 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000395>.

- [ÁG19] **Alvarez-Gomez:2019:FEF**
 José A. Álvarez-Gómez. FMC-Earthquake focal mechanisms data management, cluster and classification. *SoftwareX*, 9(?): 299–307, January/June 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302590>.
- [AG21] **Alinovi:2021:FUP**
 Edoardo Alinovi and Joel Guerrero. FLUBIO — an unstructured, parallel, finite-volume based Navier–Stokes and convection diffusion like equations solver for teaching and research purposes. *SoftwareX*, 13(?): Article 100655, January 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102030368X>.
- [AGdSC20] **Ayala:2020:RLN**
 Helon Vicente Hultmann Ayala, Marcos Cesar Gritti, and Leandro dos Santos Coelho. An R library for nonlinear black-box system identification. *SoftwareX*, 11(?): Article 100495, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302663>.
- [AGH20] **Argaez:2020:ULE**
 Carlos Argáez, Peter Giesl, and Sigurdur Freyr Hafstein. Update (2.0) to LyapXool: Eigenpairs and new classification methods. *SoftwareX*, 12(?): Article 100616, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303290>.
- [AGHK21] **Antonio:2021:SCW**
 Dexter D. Antonio, Jiawei Guo, Sam J. Holton, and Ambarish R. Kulkarri. Simplifying computational workflows with the Multiscale Atomic Zeolite Simulation Environment (MAZE). *SoftwareX*, 16(?): ??, December 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001011>.
- [AGVM20] **Aonzo:2020:OOS**
 Simone Aonzo, Gabriel Claudiu Georgiu, Luca Verderame, and Alessio Merlo. Obfuscapk: an open-source black-box obfuscation tool for Android apps. *SoftwareX*, 11(?): Article 100403, January/June 2020. CO-

- DEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302791>. [AI21]
- Anshori:2022:WBS**
- [AHR⁺22] Isa Anshori, Suksmandhira Harimurti, Mahendra Baleno Rama, Rey Ezra Langelo, Jessika, Lenny Putri Yulianti, Gilang Gumilar, Muhammad Yusuf, Silmina Prastriyanti, Brian Yulianto, Husna Nugrahapraja, Wyanda Arnafia, and Irvan Faizal. Web-based surface plasmon resonance signal processing system for fast analyte analysis. *SoftwareX*, 18(??):??, June 2022. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000462>. [AISM21]
- Adams:2020:YOS**
- [AHTH20] Michael Adams, Andreas V. Hense, and Arthur H. M. ter Hofstede. YAWL: an open source business process management system from science for science. *SoftwareX*, 12(??):Article 100576, July/December 2020. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020302892>. [AKM20]
- Atanasiu:2021:DTM**
- Vlad Atanasiu and Rolf Ingold. Document Towers: a MATLAB software implementing a three-dimensional architectural paradigm for the visual exploration of digital documents and libraries. *SoftwareX*, 14(??):??, June 2021. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000297>.
- Afroz:2021:SSB**
- Abanti Shama Afroz, Francesco Inglese, Cesare Stefanini, and Mario Milazzo. STL_Process: a .STL-based preprocessor for robot path planning in manufacturing and quality control processes. *SoftwareX*, 15(??):??, July 2021. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000650>.
- Abbas:2020:CCP**
- Tahir Abbas, Vassilis-Javed Khan, and Panos Markopoulos. CoZ: a crowd-powered system for social robotics. *SoftwareX*, 11(??):Article 100421, January/June 2020. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/>

- science/article/pii/S2352711019302699.
- [AL16] **Annergren:2016:PMT** [ALRM21] Mariette Annergren and Christian A. Larsson. MOOSE2 — a toolbox for least-costly application-oriented input design. *SoftwareX*, 5(??):89–95, 2016. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300115>.
- [Alb15] **Alberti:2015:CRP** [AM19] Gianmarco Alberti. CAinterprTools: an R package to help interpreting Correspondence Analysis’ results. *SoftwareX*, 1–2(??):19–25, September 2015. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711015000060>.
- [Alb19] **Alberti:2019:MRP** [AMA19] Gianmarco Alberti. movecost: an R package for calculating accumulated slope-dependent anisotropic cost-surfaces and least-cost paths. *SoftwareX*, 10(??):Article 100331, July/December 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302341>.
- Assuncao:2021:FDF** Filipe Assunção, Nuno Lourenço, Bernardete Ribeiro, and Penousal Machado. Fast-DENSER: Fast deep evolutionary network structured representation. *SoftwareX*, 14(??):??, June 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102100039X>.
- Abi-Mansour:2019:POO** Andrew Abi-Mansour. PyGran: an object-oriented library for DEM simulation and analysis. *SoftwareX*, 9(??):168–174, January/June 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301080>.
- Ait-Mlouk:2019:DMW** Addi Ait-Mlouk and Tarik Agouti. DM-MCDA: a web-based platform for data mining and multiple criteria decision analysis: a case study on road accident. *SoftwareX*, 10(??):Article 100323, July/December 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019301438>.

- [AMC17] **Albano:2017:MSM**
 Raffaele Albano, Salvatore Manfreda, and Giuseppe Celano. MY SIRR: Minimalist agro-hydrological model for Sustainable Irrigation management — soil moisture and crop dynamics. *SoftwareX*, 6(??):98–106, ??? 2017. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300122>.
- [Amo21] **Amornbunchornvej:2021:MRP**
 Chainarong Amornbunchornvej. mFLICA: an R package for inferring leadership of coordination from time series. *SoftwareX*, 15(??):??, July 2021. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000935>.
- [AMS⁺15] **Abraham:2015:GHP**
 Mark James Abraham, Teemu Murtola, Roland Schulz, Szilárd Páll, Jeremy C. Smith, Berk Hess, and Erik Lindahl. GROMACS: High performance molecular simulations through multi-level parallelism from laptops to supercomputers. *SoftwareX*, 1–2(??):13–18, September 2015. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711015000059>.
- [AMVB19] **Aldahdooh:2019:RRF**
 Ahmed Aldahdooh, Enrico Masala, Glenn Van Wallendael, and Marcus Barkowsky. Reproducible research framework for objective video quality measures using a large-scale database approach. *SoftwareX*, 8(??):64–68, ??? 2019. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300468>.
- [ANA16] **AlHamaydeh:2016:IGU**
 Mohammad AlHamaydeh, Mohamad Najib, and Sameer Alawnah. INSPECT: a graphical user interface software package for IDARC-2D. *SoftwareX*, 5(??):234–242, ??? 2016. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300334>.
- [Ano15a] **Anonymous:2015:EBa**
 Anonymous. Editorial Board. *SoftwareX*, 1–2(??):1–32, September 2015. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711015000084>.

- [Ano15b] **Anonymous:2015:EBb**
 Anonymous. Editorial Board. *SoftwareX*, 3–4 (??):1–44, December 2015. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711015000187>.
- [Ano16] **Anonymous:2016:EB**
 Anonymous. Editorial Board. *SoftwareX*, 5(??):1–260, ????. 2016. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300383>.
- [Ano17] **Anonymous:2017:EB**
 Anonymous. Editorial Board. *SoftwareX*, 6(??):1–292, ????. 2017. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300663>.
- [Ano18] **Anonymous:2018:EB**
 Anonymous. Editorial Board. *SoftwareX*, 7(??):i, January/June 2018. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302772>.
- [Ano19a] **Anonymous:2019:EBa**
 Anonymous. Editorial Board. *SoftwareX*, 8(??):i, ????. 2019. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019301608>.
- [Ano19b] **Anonymous:2019:EBb**
 Anonymous. Editorial Board. *SoftwareX*, 9(??):i, January/June 2019. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019301608>.
- [Ano19c] **Anonymous:2019:EB**
 Anonymous. Editorial Board. *SoftwareX*, 10(??):Article 100372, July/December 2019. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019303735>.
- [Ano19d] **Anonymous:2019:JD**
 Anonymous. July–December 2019. *SoftwareX*, 10(??):??, July/December 2019. CODEN ????. ISSN 2352-7110.
- [Ano20a] **Anonymous:2020:EBa**
 Anonymous. Editorial Board. *SoftwareX*, 11(??):Article 100529, January/June 2020. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020000000>.

- science/article/pii/S2352711020302272.
- [Ano20b] **Anonymous:2020:EBb** [Ano21c] Anonymous. Editorial Board. *SoftwareX*, 12(??):Article 100649, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303629>.
- [Ano20c] **Anonymous:2020:JJ** [Ano21d] Anonymous. January–June 2020. *SoftwareX*, 11(??):??, January/June 2020. CODEN ???? ISSN 2352-7110.
- [Ano20d] **Anonymous:2020:JD** [Ano21e] Anonymous. July–December 2020. *SoftwareX*, 12(??):??, July/December 2020. CODEN ???? ISSN 2352-7110.
- [Ano21a] **Anonymous:2021:D** Anonymous. December 2021. *SoftwareX*, 16(??):??, December 2021. CODEN ???? ISSN 2352-7110.
- [Ano21b] **Anonymous:2021:EBa** [Ano21f] Anonymous. Editorial Board. *SoftwareX*, 13(??): Article 100670, January 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000157>.
- Anonymous:2021:EBb** Anonymous. Editorial Board. *SoftwareX*, 14(??):??, June 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000583>.
- Anonymous:2021:EBc** Anonymous. Editorial Board. *SoftwareX*, 15(??):??, July 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001047>.
- Anonymous:2021:EBd** Anonymous. Editorial Board. *SoftwareX*, 16(??):??, December 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001746>.
- Anonymous:2021:Ja** Anonymous. January 2021. *SoftwareX*, 13(??):??, January 2021. CODEN ???? ISSN 2352-7110.
- Anonymous:2021:Jc** Anonymous. July 2021. *SoftwareX*, 15(??):??, July 2021. CODEN ???? ISSN 2352-7110.

- [Ano21h] **Anonymous:2021:Jb**
 Anonymous. June 2021. *SoftwareX*, 14(??):??, June 2021. CODEN ???? ISSN 2352-7110.
- [Ano22a] **Anonymous:2022:EBa**
 Anonymous. Editorial Board. *SoftwareX*, 17(??):??, January 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000309>. [AOGC+20]
- [Ano22b] **Anonymous:2022:EBb**
 Anonymous. Editorial Board. *SoftwareX*, 18(??):??, June 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000772>.
- [Ano22c] **Anonymous:2022:Ja**
 Anonymous. January 2022. *SoftwareX*, 17(??):??, January 2022. CODEN ???? ISSN 2352-7110. [APO+20]
- [Ano22d] **Anonymous:2022:Jb**
 Anonymous. June 2022. *SoftwareX*, 18(??):??, June 2022. CODEN ???? ISSN 2352-7110.
- [ANOU21] **Angelidakis:2021:CCL**
 Vasileios Angelidakis, Sadegh Nadimi, Masahide Otsubo, and Stefano Utili. CLUMP: a Code Library to generate Universal Multi-sphere Particles. *SoftwareX*, 15(??):??, July 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000704>.
- Alves-Oliveira:2020:SAY**
 Patrícia Alves-Oliveira, Samuel Gomes, Ankita Chandak, Patrícia Arriaga, Guy Hoffman, and Ana Paiva. Software architecture for YOLO, a creativity-stimulating robot. *SoftwareX*, 11(??):Article 100461, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302468>.
- Almeida:2020:GTU**
 João R. Almeida, Armando J. Pinho, José L. Oliveira, Olga Fajarda, and Diogo Pratas. GTU: a toolkit to unify pipelines in genomic and proteomic research. *SoftwareX*, 12(??):Article 100535, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020301473>.
- Archetti:2020:DMP**
 Marco Archetti. DeFinetti: a Mathematica

- program to analyze the replicator dynamics of 3-strategy collective interactions. *SoftwareX*, 11(??):Article 100415, January/June 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101930216X>. [AS18]
- Arslan:2021:FEC**
- [Ars21] Suayb S. Arslan. Founsure 1.0: an erasure code library with efficient repair and update features. *SoftwareX*, 13(??):Article 100662, January 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000078>. [ASAA20]
- Amosu:2017:WIP**
- [AS17] Adewale Amosu and Yuefeng Sun. WheelerLab: an interactive program for sequence stratigraphic analysis of seismic sections, outcrops and well sections and the generation of chronostratigraphic sections and dynamic chronostratigraphic sections. *SoftwareX*, 6(??):13–18, ????? 2017. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300401>. [ASRI22]
- Abdul-Salam:2018:SAD**
- Yakubu Abdul-Salam. A Stochastic Anaerobic Digestion Economic Assessment Tool (SADEAT). *SoftwareX*, 7(??):190–197, January/June 2018. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101830058X>.
- Ahmadzadeh:2020:MDT**
- Azim Ahmadzadeh, Kankana Sinha, Berkay Aydin, and Rafal A. Angryk. MVTS-Data Toolkit: a Python package for pre-processing multivariate time series data. *SoftwareX*, 12(??):Article 100518, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020300157>.
- Araque:2022:GSA**
- Oscar Araque, J. Fernando Sánchez-Rada, and Carlos A. Iglesias. GSITK: a sentiment analysis framework for agile replication and development. *SoftwareX*, 17(??):??, January 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001643>.

Ananth:2022:TPJ

[AT22]

Mohan Ananth and Mario F. Trujillo. 2PJIT: Two-phase 3D jet instability tool in cylindrical coordinates. *SoftwareX*, 18(??):??, June 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000206>.

[AVB17]

Almas:2017:BTI

M. S. Almas, L. Vanfretti, and M. Baudette. BabelFish — tools for IEEE C37.118.2-compliant real-time synchrophasor data mediation. *SoftwareX*, 6(??):203–208, ???? 2017. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300328>.

Ardito:2020:PRP

[ATCA20]

Luca Ardito, Marco Torchiano, Riccardo Coppola, and Giulio Antoniol. PowTrAn: an R package for power trace analysis. *SoftwareX*, 12(??):Article 100512, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102030025X>.

[AVCP⁺21]**Ahmad:2021:MMI**

Ali Ahmad, Guillaume Vanel, Sorina Camarasu-Pop, Axel Bonnet, Carole Frindel, and David Rousseau. MicroVIP: Microscopy image simulation on the Virtual Imaging Platform. *SoftwareX*, 16(??):??, December 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102100131X>.

Anastasopoulos:2021:GPT

[ATT21]

Nikolaos Anastasopoulos, Ioannis G. Tsoulos, and Alexandros Tzallas. GenClass: a parallel tool for data classification based on Grammatical Evolution. *SoftwareX*, 16(??):??, December 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001199>.

[AWO⁺21]**Aksman:2021:PPI**

Leon M. Aksman, Peter A. Wijeratne, Neil P. Oxtoby, Arman Eshaghi, Cameron Shand, Andre Altmann, Daniel C. Alexander, and Alexandra L. Young. pySuStaIn: a Python implementation of the Subtype and Stage Inference algorithm. *SoftwareX*, 16(??):??, December 2021. CODEN ???? ISSN

- 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001096>.
- [AZ17] Turaj Ashuri and Jie Zhang. **Ashuri:2017:CCS** **CompSim**: Cross sectional modeling of geometrical complex and inhomogeneous slender structures. *SoftwareX*, 6(??):150–154, ????. 2017. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300109>.
- [Bac21] Eviatar Bach. **Bach:2021:PTB** **parasweep**: a template-based utility for generating, dispatching, and post-processing of parameter sweeps. *SoftwareX*, 13(??):Article 100631, January 2021. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303447>.
- [BAEBAS19] Boualem Boashash, Abdeljalil Aïssa-El-Bey, and Mohammad F. Al-Sa'd. **Boashash:2019:MTF** Multisensor time-frequency signal processing MATLAB package: an analysis tool for multichannel non-stationary data. *SoftwareX*, 8(??):53–58, ????. 2019. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300687>.
- [Bat19] Milan Batista. **Batista:2019:ECM** **Elfun18** — a collection of MATLAB functions for the computation of elliptic integrals and Jacobian elliptic functions of real arguments. *SoftwareX*, 10(??):Article 100245, July/December 2019. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302796>.
- [BB20a] S. Bonduà and V. Bertolotti. **Bondua:2020:TMT** **TOUGH2Viewer 2.0**: a multiplatform tool for fully 3D Voronoi TOUGH grids. *SoftwareX*, 12(??):Article 100596, July/December 2020. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303095>.
- [BB20b] Brittany L. Bruder and Katherine L. Brodie. **Bruder:2020:CQC** **CIRN Quantitative Coastal Imaging Toolbox**. *SoftwareX*, 12(??):Article 100582, July/December 2020. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303095>.

- science/article/pii/S2352711020302958.
- [BB22] **Bragagnolo:2022:SPL**
 Andrea Bragagnolo and Carlo Alberto Barbano. **Simplify**: a Python library for optimizing pruned neural networks. *SoftwareX*, 17(??):??, January 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001576>.
- [BBB⁺20] **Blais:2020:LOS**
 Bruno Blais, Lucka Barbeau, Valérie Bibeau, Simon Gauvin, Toni El Geitani, Shahab Golshan, Rajeshwari Kamble, Ghazaleh Mirakhori, and Jamal Chaouki. **Lethe**: an open-source parallel high-order adaptative CFD solver for incompressible flows. *SoftwareX*, 12(??):Article 100579, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020302922>.
- [BBB21] **Betz:2021:RSR**
 Fridtjof Betz, Felix Binkowski, and Sven Burger. **RPEExpand**: Software for Riesz projection expansion of resonance phenomena. *SoftwareX*, 15(??):??, July 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000844>.
- [BBD⁺18] **Billings:2018:EIC**
 Jay Jay Billings, Andrew R. Bennett, Jordan Deyton, Kasper Gammeltoft, Jonah Graham, Dasha Gorin, Hari Krishnan, Menghan Li, Alexander J. McCaskey, Taylor Patterson, Robert Smith, Gregory R. Watson, and Anna Wojtowicz. The Eclipse Integrated Computational Environment. *SoftwareX*, 7(??):234–244, January/June 2018. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101830133X>.
- [BBF⁺19] **Bortolotti:2019:UUP**
 V. Bortolotti, L. Brizi, P. Fantazzini, G. Landi, and F. Zama. **Upen2DTool**: a Uniform PENalty Matlab tool for inversion of 2D NMR relaxation data. *SoftwareX*, 10(??):Article 100302, July/December 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302006>.
- [BBG⁺19] **Bizzego:2019:PPS**
 Andrea Bizzego, Alessandro Battisti, Giulio Gabrieli,

- Gianluca Esposito, and Cesare Furlanello. **pyphysio**: a physiological signal processing library for data science approaches in physiology. *SoftwareX*, 10(??):Article 100287, July/December 2019. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019301839>. [BC20]
- [BBJ⁺18] A. G. Basden, N. A. Bharmal, D. Jenkins, T. J. Morris, J. Osborn, J. Peng, and L. Staykov. The Durham Adaptive Opti’s Simulation Platform (DASP): Current status. *SoftwareX*, 7(??):63–69, January/June 2018. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300232>. [BC22]
- [BBP⁺18] Paul Bauer, Alexandre Barrozo, Miha Purg, Beat Anton Amrein, Mauricio Esguerra, Philippe Barrie Wilson, Dan Thomas Major, Johan Åqvist, and Shina Caroline Lynn Kamerlin. Q6: a comprehensive toolkit for empirical valence bond and related free energy calculations. *SoftwareX*, 7(??):388–395, January/June 2018. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300675>. [Basden:2018:DAO]
- João Bispo and João M. P. Cardoso. Clava: C/C++ source-to-source compilation using LARA. *SoftwareX*, 12(??):Article 100565, July/December 2020. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302122>. [Bispo:2020:CCC]
- [Black:2022:MBR] Travis J. Black and Alexei F. Cheviakov. 3DRSP: Matlab-based random sphere packing code in three dimensions. *SoftwareX*, 18(??):??, June 2022. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000437>.
- [Basaran:2019:MAM] Dogac Basaran, Ali Taylan Cemgil, and Emin Anarim. Multiresolution alignment for multiple unsynchronized audio sequences using Sequential Monte Carlo samplers. *SoftwareX*, 8(??):33–38, ????. 2019. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300232>. [Bauer:2018:QCT]

- www.sciencedirect.com/science/article/pii/S235271101730064X.
- [BCD⁺15] Rosa M. Badia, Javier Conejero, Carlos Diaz, Jorge Ejarque, Daniele Lezzi, Francesc Lordan, Cristian Ramon-Cortes, and Raul Sirvent. COMP Superscalar, an interoperable programming framework. *SoftwareX*, 3–4(??): 27–31, December 2015. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711015000151>.
- [BCF20] Spencer H. Bryngelson, Tim Colonius, and Rodney O. Fox. QBMMlib: a library of quadrature-based moment methods. *SoftwareX*, 12(??):Article 100615, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303289>.
- [BCR⁺18] Maxime Baudette, Marcelo Castro, Tin Rabuzin, Jan Lavenius, Tetiana Bogodorova, and Luigi Vanfretti. OpenIPSL: Open-Instance Power System Library — update 1.5 to “iTesla Power Systems Li-
- [BDF⁺20] Paul Bartholomew, Georgios Deskos, Ricardo A. S. Frantz, Felipe N. Schuch, Eric Lamballais, and Sylvain Laizet. Xcompact3D: an open-source framework for solving turbulence problems on a Cartesian mesh. *SoftwareX*, 12(??):Article 100550, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019303620>.
- [BDPZ19] Simon Behrendt, Thomas Dimpfl, Franziska J. Peter, and David J. Zimmermann. RTransferEntropy — Quantifying information flow between different time series using effective transfer entropy. *SoftwareX*, 10(??):Article 100265, July/December 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/>
- brary (iPSL): a Modelica library for phasor time-domain simulations”. *SoftwareX*, 7(??):34–36, January/June 2018. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300050>.

- science/article/pii/S2352711019300779.
- [BDQ⁺22] **Brimicombe:2022:TPT**
 Chloe Brimicombe, Claudia Di Napoli, Tiago Quintino, Florian Pappenberger, Rosalind Cornforth, and Hannah L. Cloke. **Thermofeel**: a Python thermal comfort indices library. *SoftwareX*, 18(??):??, June 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000176>.
- [BDSC22] **Buchicchio:2022:EST**
 Emanuele Buchicchio, Alessio De Angelis, Francesco Santoni, and Paolo Carbone. **EasyEIS**: a software tool to perform electrochemical impedance spectroscopy using a source measure unit. *SoftwareX*, 18(??):??, June 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000553>.
- [BE20] **Boeira:2020:PPP**
 Emerson Boeira and Diego Eckhard. **pyvrft**: a Python package for the Virtual Reference Feedback Tuning, a direct data-driven control method. *SoftwareX*, 11(??):Article 100383, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302894>.
- [Ben15] **BenSaida:2015:PTN**
 Ahmed BenSaïda. A practical test for noisy chaotic dynamics. *SoftwareX*, 3-4(??):i, December 2015. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711015000096>.
- [BFDD⁺22] **Bueler-Faudree:2022:FSW**
 Thomas Bueler-Faudree, Sam Delamere, Denys Dutykh, Alexei Rybkin, and Alexander Suleimani. Fast shallow water-wave solver for plane inclined beaches. *SoftwareX*, 17(??):??, January 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000061>.
- [BFF⁺20] **Barandas:2020:TTS**
 Marília Barandas, Duarte Folgado, Letícia Fernandes, Sara Santos, Mariana Abreu, Patrícia Bota, Hui Liu, Tanja Schultz, and Hugo Gamboa. **TSEFL**: Time Series Feature Extraction Library. *SoftwareX*, 11(??):Article 100456, January/June 2020. CO-

- DEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020300017>.
- [BFF⁺21] **Boden:2021:RIE**
 Brigitte Boden, Jan Flink, Niklas Först, Robert Mischke, Kathrin Schaffert, Alexander Weinert, Anika Wohlan, and Andreas Schreiber. RCE: an integration environment for engineering and science. *SoftwareX*, 15(??):??, July 2021. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000820>.
- [BFRK19] **Bernardi:2019:AUN**
 Austen Bernardi, Roland Faller, Dirk Reith, and Karl N. Kirschner. ACPYPE update for nonuniform 1–4 scale factors: Conversion of the GLYCAM06 force field from AMBER to GROMACS. *SoftwareX*, 10(??):Article 100241, July/December 2019. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300736>.
- [BFSJP⁺21] **Barrasa-Fano:2021:TMT**
 Jorge Barrasa-Fano, Apeksha Shapeti, Álvaro Jorge-Peñas, Mojtaba Barzegari, José Antonio Sanz-Herrera, and Hans Van Oosterwyck. TFMLAB: a MATLAB toolbox for 4D traction force microscopy. *SoftwareX*, 15(??):??, July 2021. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000625>.
- [BFV18] **Baudette:2018:SGL**
 Maxime Baudette, Seyed Reza Firouzi, and Luigi Vanfretti. The STRON grid library: a modular and extensible software library for IEEE C37.118.2 compliant synchrophasor data mediation. *SoftwareX*, 7(??):281–286, January/June 2018. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301705>.
- [BGCS19] **Blackman:2019:FCT**
 Allen Blackman, Leonard Goff, Jessica Chu, and Juha Siikamäki. The Forest Conservation Targeting Tool: Accessible spatial prioritization for Latin America and the Dominican Republic. *SoftwareX*, 10(??):Article 100293, July/December 2019. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019300226>.

- [BGGL20] **Ben-Gida:2020:OMO**
 Hadar Ben-Gida, Roi Gurka, and Alex Liberzon. OpenPIV-MATLAB — an open-source software for particle image velocimetry; test case: Birds' aerodynamics. *SoftwareX*, 12(??):Article 100585, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020302983>.
- [BHE⁺19] **Bork:2021:AAL**
 Rolf Bork, Jonathan Hanks, David Barker, Joseph Betzwieser, Jameson Rollins, Keith Thorne, and Erik von Reis. **advligorts:** the Advanced LIGO real-time digital control and data acquisition system. *SoftwareX*, 13(??):Article 100619, January 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303320>.
- [BHB⁺21] **Bolan:2016:LFI**
 Jeffrey Bolan, Elise Hall, Chris Clifford, and Brian Thurow. Light-Field Imaging Toolkit. *SoftwareX*, 5(??):96–100, ???? 2016. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300127>.
- [BHM⁺19] **Benkert:2019:MER**
 T. Benkert, C. Hartmann, M. Eder, F. Speckmaier, and W. Volk. MaterialModeler-From experimental raw data to a material model. *SoftwareX*, 10(??):Article 100249, July/December 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019300147>.
- [BHH⁺22] **Boito:2022:APC**
 Deneb Boito, Magnus Herberthson, Tom Dela Haije, and Evren Özarlan. Applying positivity constraints to q -space trajectory imaging: the QTI+ implementation. *SoftwareX*, 18(??):??, June 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000322>.
- [BJM⁺19] **Bazzi:2019:AAI**
 Claudio Leones Bazzi, Erminio Pita Jasse, Paulo S. Graziano Magalhães, Gabriela Karoline Michelson, Eduardo Godoy de Souza, Kelyn Schenatto, and Ricardo Sobjak. AgDataBox API — integration of data and

- software in precision agriculture. *SoftwareX*, 10(??):Article 100327, July/December 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302838>.
- [Bjö19] Kristofer Björnson. TBTK: a quantum mechanics software development kit. *SoftwareX*, 9(??):205–210, January/June 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101830164X>.
- [BJR+20] Daniel D. Brown, Philip Jones, Samuel Rowlinson, Sean Leavey, Anna C. Green, Daniel Töyrä, and Andreas Freise. Pykat: Python package for modelling precision optical interferometers. *SoftwareX*, 12(??):Article 100613, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303265>.
- [BK19] Onur Rauf Bingol and Adarsh Krishnamurthy. NURBS-python: an open-source object-oriented NURBS modeling framework in Python. *SoftwareX*, 9(??):85–94, January/June 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301778>.
- [BKM21] Nikolaos Batalas, Vassilis-Javed Khan, and Panos Markopoulos. Executable HTML. *SoftwareX*, 14(??):??, June 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000364>.
- [BKM22] Luca Buoncompagni, Syed Yusha Kareem, and Fulvio Mastrogiovanni. OWLOOP: a modular API to describe OWL axioms in OOP objects hierarchies. *SoftwareX*, 17(??):??, January 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001801>.
- [BL16] Mariem Bouafif and Zied Lachiri. SRC_Num_TDOA: Multiple speech sources' number and their TDOA Estimation from a stereo recorded mixture. *SoftwareX*, 5(??):227–233, ????? 2016. CODEN ????? ISSN

- 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300322>.
- [Bla21] Sebastian Blauth. **cashocs**: a computational, adjoint-based shape optimization and optimal control software. *SoftwareX*, 13(?): Article 100646, January 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303599>.
- [BLM⁺22] Sebastian Blauth, Lukas Bromig, David Leiter, Alexandru-Virgil Mardale, Nikolas von den Eichen, Emmeran Bieringer, and Dirk Weuster-Botz. The SiLA 2 Manager for rapid device integration and workflow automation. *SoftwareX*, 17(?): ??, January 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000103>.
- [BID⁺20] S. Boudet, A. Houz e l’Aulnoit, R. Demailly, A. Delgranche, L. Peyrodie, R. Beuscart, and D. Houz e de l’Aulnoit. A fetal heart rate morphological analysis toolbox for MATLAB. *SoftwareX*, 11(?): Article 100428, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302498>.
- [BLE21] Andrea Bizzego, Mengyu Lim, and Gianluca Esposito. **mics-library**: a Python package for reproducible studies on the Multiple Indicator Cluster Survey. *SoftwareX*, 16(?): ??, December 2021.
- [Bizzego:2021:MLP] Andrea Bizzego, Mengyu Lim, and Gianluca Esposito. **mics-library**: a Python package for reproducible studies on the Multiple Indicator Cluster Survey. *SoftwareX*, 16(?): ??, December 2021.
- [Bromig:2022:SMR] Lukas Bromig, David Leiter, Alexandru-Virgil Mardale, Nikolas von den Eichen, Emmeran Bieringer, and Dirk Weuster-Botz. The SiLA 2 Manager for rapid device integration and workflow automation. *SoftwareX*, 17(?): ??, January 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001187>.
- [Bangaru:2021:RSI] Madhavi Latha Yadav Bangaru, Ravi Kumar Medabalimi, Sobhan Babu, and Nidhanapati K. Raghavendra. **REMP** software to introduce a screening REstriction site in site-directed Mutagenesis Primer. *SoftwareX*, 16(?): ??, December 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001448>.
- [Baldan:2017:SDT] Stefano Baldan, Stefano Delle Monache, and Davide Rocchesso. The

- Sound Design Toolkit. *SoftwareX*, 6(??):248–254, ????. 2017. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300195>.
- [BO19] Boualem Boashash and Samir Ouelha. Efficient software platform TFSAP 7.1 and Matlab package to compute time-frequency distributions and related time-scale methods with extraction of signal characteristics. *SoftwareX*, 8(??):48–52, ????. 2019. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300353>.
- [BPL⁺19] Loïc Besnard, Pedro Pinto, Imane Lasri, João Bispo, Erven Rohou, and João M. P. Cardoso. A framework for automatic and parameterizable memoization. *SoftwareX*, 10(??):Article 100322, July/December 2019. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301559>.
- [BS19] Carlo Bianchi and Amanda D. Smith. Localized actual meteorological year file creator (LAF): a tool for using locally observed weather data in building energy simulations. *SoftwareX*, 10(??):Article 100299, July/December 2019. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300839>.
- [BS21] Austen Bernardi and Jessica M. J. Swanson. CycFlowDec: a Python module for decomposing flow networks using simple cycles. *SoftwareX*, 14(??):??, June 2021. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000212>.
- [BSB20] Ilia Bautista, Sudeep Sarkar, and Sanjukta Bhanja. MatlabHTM: a sequence memory model of neocortical layers for anomaly detection. *SoftwareX*, 11(??):Article 100491, January/June 2020. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302863>.

Boashash:2019:ESP**Bernardi:2021:CPM****Besnard:2019:FAP****Bautista:2020:MSM****Bianchi:2019:LAM**

- [BSdG+22] **Backe:2022:EOS**
 Stian Backe, Christian Skar, Pedro Crespo del Granado, Ozgu Turgut, and Asgeir Tomasgard. EMPIRE: an open-source model based on multi-horizon programming for energy transition analyses. *SoftwareX*, 17(??): ??, January 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001424>.
- [BSG20] **Bub:2020:XRP**
 Sascha Bub, Thorsten Schad, and Zhenglei Gao. XDrift — an R package to simulate spatially explicit pesticide spray-drift exposure of non-target-species habitats at landscape scales. *SoftwareX*, 12(??):Article 100610, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102030323X>.
- [BSRSC18] **Ballsun-Stanton:2018:FMF**
 Brian Ballsun-Stanton, Shawn A. Ross, Adela Sobotkova, and Penny Crook. FAIMS Mobile: Flexible, open-source software for field research. *SoftwareX*, 7(??):47–52, January/June 2018. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302511>.
- [BST+17] **Binder:2017:QMP**
 Jan M. Binder, Alexander Stark, Nikolas Tomek, Jochen Scheuer, Florian Frank, Kay D. Jahnke, Christoph Müller, Simon Schmitt, Mathias H. Metsch, Thomas Uden, Tobias Gehring, Alexander Huck, Ulrik L. Andersen, and Lachlan J. Rogers Fedor Jelezko. Qudi: a modular Python suite for experiment control and data processing. *SoftwareX*, 6(??):81–84, ???? 2017. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300055>.
- [BSVP20] **Bogaerts:2020:CCR**
 Boris Bogaerts, Seppe Sels, Steve Vanlanduit, and Rudi Penne. Connecting the CoppeliaSim robotics simulator to virtual reality. *SoftwareX*, 11(??):Article 100426, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302511>.

- [BT21] **Boelens:2021:QMF**
 Arnout M. P. Boelens and Hamdi A. Tchelepi. QuantImPy: Minkowski functionals and functions with Python. *SoftwareX*, 16(??):??, December 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001151>.
- [BTMB21] **Bujack:2021:OSV**
 Roxana Bujack, Karen Tsai, Steven K. Morley, and Etienne Bresciani. Open source vector field topology. *SoftwareX*, 15(??):??, July 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000960>.
- [BV19] **Bos:2019:CMC**
 Len Bos and Marco Vianello. CaTchDes: [CA18] MATLAB codes for Caratheodory–Tchakaloff near-optimal regression designs. *SoftwareX*, 10(??):Article 100349, July/December 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302274>.
- [BWMS22] **Bodker:2022:SPB**
 Mikkel S. Bødker, Collin J. Wilkinson, John C. Mauro, [ÇA20] and Morten M. Smedskjaer. StatMechGlass: Python based software for composition-structure prediction in oxide glasses using statistical mechanics. *SoftwareX*, 17(??):??, January 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001606>.
- [Byk19] **Bykhovsky:2019:MCN**
 D. Bykhovsky. Mathematica code for numerical generation of random process with given distribution and exponential autocorrelation function. *SoftwareX*, 8(??):18–20, ????? 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101730033X>.
- Cherubin:2018:LEU**
 S. Cherubin and G. Agosta. libVersioningCompiler: an easy-to-use library for dynamic generation and invocation of multiple code versions. *SoftwareX*, 7(??):95–100, January/June 2018. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300426>.
- Caliskan:2020:GMG**
 Murat Çaliskan and Berk

- Anbaroglu. **Geo-MST**: a geographical minimum spanning tree plugin for QGIS. *SoftwareX*, 12(??):Article 100553, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020301771>. [CBHLG21]
- [Car21] Luca Carmignani. **Flame Tracker**: an image analysis program to measure flame characteristics. *SoftwareX*, 15(??):??, July 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000984>. [CBLI22]
- [CAW⁺20] Matthew P. Conlin, Peter N. Adams, Benjamin Wilkinson, Gregory Dusek, Margaret L. Palmsten, and Jenna A. Brown. **SurfRCaT**: a tool for remote calibration of pre-existing coastal cameras to enable their use as quantitative coastal monitoring tools. *SoftwareX*, 12(??):Article 100584, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020302971>. [CBS⁺16]
- Corradini:2021:URP**
Fabio Corradini, Nicolas Beriot, Esperanza Huerta-Lwanga, and Violette Geissen. **uFTIR**: an R package to process hyperspectral images of environmental samples captured with μ FTIR microscopes. *SoftwareX*, 16(??):??, December 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001321>.
- Ching:2022:QLO**
Eric J. Ching, Brett Bornhoft, Ali Lasemi, and Matthias Ihme. **Quail**: a lightweight open-source discontinuous Galerkin code in Python for teaching and prototyping. *SoftwareX*, 17(??):??, January 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102200005X>.
- Cooper:2016:TOS**
S. J. Cooper, A. Bertei, P. R. Shearing, J. A. Kilner, and N. P. Brandon. **TauFactor**: an open-source application for calculating tortuosity factors from tomographic data. *SoftwareX*, 5(??):195–202, ???? 2016. CODEN ???? ISSN

- 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300280>.
- [CC20] **Cooper:2020:SDS**
Crispin H. V. Cooper and Alain J. F. Chiaradia. *sDNA: 3-d spatial network analysis for GIS, CAD, command line and Python*. *SoftwareX*, 12(??):Article 100525, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019303401>.
- [CC21] **Capodiecici:2021:VCV**
Nicola Capodiecici and Roberto Cavicchioli. *vkpolybench: a crossplatform Vulkan Compute port of the PolyBench/GPU benchmark suite*. *SoftwareX*, 15(??):??, July 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000996>.
- [CCBC+21] **Cantero-Chinchilla:2021:OCO**
Sergio Cantero-Chinchilla, James L. Beck, Juan Chiachío, Manuel Chiachío, and Dimitrios Chronopoulos. *OptiSens — convex optimization of sensor and actuator placement for ultrasonic guided-wave based structural health monitoring*. *SoftwareX*, 13(??):Article 100643, January 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303563>.
- [CCC+21] **Cannon:2021:GSF**
Kipp Cannon, Sarah Caudill, Chiwai Chan, Bryce Cousins, Jolien D. E. Creighton, Becca Ewing, Heather Fong, Patrick Godwin, Chad Hanna, Shaun Hooper, Rachael Huxford, Ryan Magee, Duncan Meacher, Cody Messick, Soichiro Morisaki, Debnandini Mukherjee, Hiroaki Ohta, Alexander Pace, Stephen Privitera, Iris de Ruiter, Surabhi Sachdev, Leo Singer, Divya Singh, Ron Tapia, Leo Tsukada, Daichi Tsuna, Takuya Tsutsui, Koh Ueno, Aaron Viets, Leslie Wade, and Madeline Wade. *GstLAL: a software framework for gravitational wave discovery*. *SoftwareX*, 14(??):??, June 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102100025X>.
- [CCE21] **Chavis:2021:CMF**
John Taylor Chavis, Amy Louise Cochran, and Christopher James Earls. *CUMSDSp: a flexible par-*

- allelized Reversible jump Markov chain Monte Carlo method. *SoftwareX*, 14 (??):??, June 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000091>.
- Cerecedo-Cordoba:2020:NPB**
- [CCFSB20] Jorge Alberto Cerecedo-Cordoba, Juan Frausto-Solís, and Juan Javier González Barbosa. **NeuroFramework**: a package based on neuroevolutionary algorithms to estimate the melting temperature of ionic liquids. *SoftwareX*, 11 (??):Article 100448, January/June 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302924>.
- Carleo:2019:NML**
- [CCH⁺19] Giuseppe Carleo, Kenny Choo, Damian Hofmann, James E. T. Smith, Tom Westerhout, Fabien Alet, Emily J. Davis, Stavros Efthymiou, Ivan Glasser, Sheng-Hsuan Lin, Marta Mauri, Guglielmo Mazzola, Christian B. Mendl, Evert van Nieuwenburg, Ossian O'Reilly, Hugo Théveniaut, Giacomo Torlai, Filippo Vicentini, and Alexander Wietek. **NetKet**: a machine learning toolkit for many-body quantum systems. *SoftwareX*, 10(??):Article 100311, July/December 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019300974>.
- Ciatto:2021:PKL**
- Giovanni Ciatto, Roberta Calegari, and Andrea Omicini. **2 P-Kt**: a logic-based ecosystem for symbolic AI. *SoftwareX*, 16 (??):??, December 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001126>.
- Cruz-Duarte:2020:CCO**
- [CDAOB⁺20] Jorge M. Cruz-Duarte, Ivan Amaya, José C. Ortiz-Bayliss, Hugo Terashima-Marín, and Yong Shi. **CUSTOMHyS**: customising optimisation metaheuristics via hyper-heuristic search. *SoftwareX*, 12 (??):Article 100628, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303411>.
- Cruz-Duarte:2022:MMB**
- [CDOBA22] Jorge M. Cruz-Duarte, José C. Ortiz-Bayliss, and Ivan Amaya. **MathH**:

- a Matlab-based Hyper-Heuristic framework. *SoftwareX*, 18(??):??, June 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000413>.
- [CdSLCC20] **Cendes:2020:HAT**
 Lucas L. Cendes, Wellington de Souza, Iscia Lopes-Cendes, and Benilton S. Carvalho. HPexome: an automated tool for processing whole-exome sequencing data. *SoftwareX*, 11(??):Article 100478, January/June 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019303279>.
- [Cer19] **Ceraolo:2019:MPG**
 Massimo Ceraolo. MC’s PlotXY — general-purpose plotting and post-processing open-source tool. *SoftwareX*, 9(??):282–287, January/June 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019300287>.
- [CFA22] **Cipriano:2022:DPA**
 Bruno Pereira Cipriano, Nuno Fachada, and Pedro Alves. Drop Project: an automatic assessment tool for programming assignments. *SoftwareX*, 18(??):??, June 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000577>.
- [CGHGRB21] **Cabanero-Gomez:2021:EPM**
 Luis Cabañero-Gomez, Ramon Hervas, Ivan Gonzalez, and Luis Rodriguez-Benitez. eeglib: a Python module for EEG feature extraction. *SoftwareX*, 15(??):??, July 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000753>.
- [CGS19] **Campbell:2019:NNG**
 Anna Charvátová Campbell, Petr Grolich, and Radek Slesinger. Niget: Nanoindentation general evaluation tool. *SoftwareX*, 9(??):248–254, January/June 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301353>.
- [Cha17] **Charalambos:2017:PFR**
 Jean Pierre Charalambos. Proscene: a feature-rich framework for interactive environments. *SoftwareX*, 6(??):42–47, ????? 2017. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300000>.

- www.sciencedirect.com/science/article/pii/S235271101730002X.
- Cheliotis:2021:AAB**
- [Che21] Kostas Cheliotis. ABMU: an Agent-Based Modelling Framework for Unity3D. *SoftwareX*, 15(??):??, July 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000881>.
- Cassagne:2019:AFF**
- [CHL⁺19] Adrien Cassagne, Olivier Hartmann, Mathieu Léonardon, Kun He, Camille Leroux, Romain Tajan, Olivier Aumage, Denis Barthou, Thibaud Tonnellier, Vincent Pignoly, Bertrand Le Gal, and Christophe Jégo. AFF3CT: a fast forward error correction toolbox! *SoftwareX*, 10(??):Article 100345, July/December 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019300457>.
- Ciomek:2021:PJL**
- [CK21] Krzysztof Ciomek and Miłosz Kadziński. Polyrun: a Java library for sampling from the bounded convex polytopes. *SoftwareX*, 13(??):Article 100659, January 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000042>.
- Couvares:2021:FGW**
- [CKM21] Peter Couvares, Kate Keahay, and Frédérique Marion. Finding the gravitational wave: a history of discovery written in software. *SoftwareX*, 15(??):??, July 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000601>.
- Castellazzi:2022:CFE**
- [CLDdM22] Giovanni Castellazzi, Nicolò Lo Presti, Antonio Maria D’Altri, and Stefano de Miranda. Cloud2FEM: a finite element mesh generator based on point clouds of existing/historical structures. *SoftwareX*, 18(??):??, June 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102200067X>.
- Chung:2021:BRP**
- [CLK21] Jong-Hee Chung, Yong-Bin Lim, and Donghoh Kim. BDEsize: an R package for efficient determination of sample size in a balanced design of experiments. *SoftwareX*, 16(??):??, December 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000042>.

- 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001229>.
- [CLM⁺20] **Cornwell:2020:TSS**
 J. A. Cornwell, J. Li, S. Mahadevan, J. S. Draper, G. L. Joun, H. Zoellner, N. S. Asli, R. P. Harvey, and R. E. Nordon. TrackPad: Software for semi-automated single-cell tracking and lineage annotation. *SoftwareX*, 11(?):Article 100440, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302390>.
- [CM19] **Castelli:2019:GCG**
 Mauro Castelli and Luca Manzoni. GSGP-C++ 2.0: a geometric semantic genetic programming framework. *SoftwareX*, 10(?):Article 100313, July/December 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019301736>.
- [CMMF19] **Cuny:2019:PAA**
 Andreas P. Cuny, David Martínez-Martín, and Gotthold Fläschner. pyIMD: Automated analysis of inertial mass measurements of single cells. *SoftwareX*, 10(?):Article 100303, July/December 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019300871>.
- [CNST20] **Cubukcuoglu:2020:DES**
 Cemre Cubukcuoglu, Pirouz Nourian, I. Sevil Sariyildiz, and M. Fatih Tasgetiren. A discrete event simulation procedure for validating programs of requirements: the case of hospital space planning. *SoftwareX*, 12(?):Article 100539, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019303723>.
- [Cob21] **Coblenz:2021:MVC**
 Maximilian Coblenz. MATVines: a vine copula package for MATLAB. *SoftwareX*, 14(?):??, June 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000455>.
- [COG19] **Cimen:2019:IAL**
 Emre Cimen, Gurkan Ozturk, and Omer Nezh Gerek. ICF: an algorithm for large scale classification with conic functions. *SoftwareX*, 8(?):59–63, ???? 2019. CODEN ???? ISSN

- 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300699>.
- [COGP19] **Cardinot:2019:EPA**
 Marcos Cardinot, Colm O’Riordan, Josephine Griffith, and Matjaz Perc. Evoplex: a platform for agent-based modeling on networks. *SoftwareX*, 9(??):199–204, January/June 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302437>.
- [CPD+20] **Castelluzzo:2020:MQD**
 Michele Castelluzzo, Alessio Perinelli, Simone Detassis, Michela Alessandra Denti, and Leonardo Ricci. **MiRNA-QC-and-Diagnosis:** an R package for diagnosis based on MiRNA expression. *SoftwareX*, 12(??):Article 100569, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020301977>.
- [CPUARC20] **Cabezas:2020:PSM**
 Xavier Alejandro Flores Cabezas, Martha Cecilia Paredes Paredes, Luis Felipe Urquiza-Aguiar, and Diego Javier Reinoso-Chisaguano. **PhySim-11p:** Simulation model for IEEE 802.11p physical layer in MATLAB. *SoftwareX*, 12(??):Article 100580, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020302934>.
- [CPV+20] **Cirani:2020:ZNC**
 Simone Cirani, Marco Piccone, Luca Veltri, Luca Zaccomer, and Francesco Zanichelli. **ZWT:** a new cross-platform graphical interface framework for Java applications. *SoftwareX*, 12(??):Article 100599, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303125>.
- [CR22] **Carini:2022:CPO**
 Matheus Roman Carini and Marcelo Maia Rocha. **CESSIPy:** a Python open-source module for stochastic system identification in civil engineering. *SoftwareX*, 18(??):??, June 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000632>.
- [CRF21] **Colle:2021:MLA**
 Jean-Yves Colle, Jouni Rautio, and Daniel Freis.

- A modular LabVIEW application frame for Knudsen Effusion Mass Spectrometry instrument control. *SoftwareX*, 16(?): ??, December 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001412>.
- [CRP21] **Cuny:2021:PTA**
 Andreas P. Cuny, Fabian Rudolf, and Aaron Ponti. pyPOCQuant — a tool to automatically quantify Point-Of-Care Tests from images. *SoftwareX*, 15(?):??, July 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000558>.
- [CS21] **Capocchi:2021:WBS**
 Laurent Capocchi and Jean-Francois Santucci. A web-based simulation of discrete-event system of system with the mobile application DEVSimPy-mob. *SoftwareX*, 13(?): Article 100625, January 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303381>.
- [CSK19] **Carminati:2019:KGP**
 Chiara Carminati, Markus Strobl, and Anders Kaest-
- ner. KipTool, a general purpose processing tool for neutron imaging data. *SoftwareX*, 10(?):Article 100279, July/December 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019300718>.
- [CSZM22] **Caviglione:2022:IIC**
 Luca Caviglione, Andreas Schaffhauser, Marco Zuppelli, and Wojciech Mazurczyk. IPv6CC: IPv6 covert channels for testing networks against stegomalware and data exfiltration. *SoftwareX*, 17(?): ??, January 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000024>.
- [CUSRCP+22] **Candela-Uribe:2022:SBA**
 Christian A. Candela-Uribe, Luis E. Sepúlveda-Rodríguez, Julio C. Chavarro-Porras, John A. Sanabria-Ordoñez, José Luis Garrido, Carlos Rodríguez-Domínguez, and Gabriel Guerrero-Contreras. SMS-Builder: an adaptive software tool for building systematic mapping studies. *SoftwareX*, 17(?):??, January 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/>

- science/article/pii/S2352711021001710. [CWM⁺21a]
- [CVD21] **Conoscenti:2021:CLN**
 Marco Conoscenti, Antonio Vetrò, and Juan Carlos De Martin. CLoTH: a lightning network simulator. *SoftwareX*, 15(??):??, July 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000613>.
- [CVS19] **Creati:2019:FA**
 N. Creati, R. Vidmar, and P. Sterzai. Field animation. *SoftwareX*, 9(??): 211–216, January/June 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101830205X>. [CWM⁺21b]
- [CWLG⁺21] **Couty:2021:GGA**
 Victor Couty, Jean-François Witz, Pauline Lecomte-Grosbras, Julien Berthe, Eric Deletombe, and Mathias Brieu. GPUCorrel: a GPU accelerated Digital Image Correlation software written in Python. *SoftwareX*, 16(??):??, December 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001102>. [DAB⁺19]
- Couty:2021:CCR**
 Victor Couty, Jean-François Witz, Corentin Martel, François Bari, and Antoine Weisrock. CRAPPY: Command and Real-Time Acquisition in Parallelized Python, a Python module for experimental setups. *SoftwareX*, 16(??): ??, December 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001278>.
- Csati:2021:CFS**
 Zoltan Csati, Jean-François Witz, Vincent Magnier, Ahmed El Bartali, Nathalie Limodin, and Denis Najjar. CristalX: Facilitating simulations for experimentally obtained grain-based microstructures. *SoftwareX*, 14(??):??, June 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000145>.
- Diblen:2019:SOS**
 Faruk Diblen, Jisk Attema, Rena Bakhshi, Sascha Caron, Luc Hendriks, and Bob Stienen. spot: Open source framework for scientific data repository and interactive visualization. *SoftwareX*, 9(??):328–331, January/

- June 2019. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302097>.
- [Dan20] **Daniluk:2020:RCF**
 Andrzej Daniluk. `rheed++`: a C++ framework to simulation of RHEED intensity oscillations during the growth of thin epitaxial films. *SoftwareX*, 12(??):Article 100593, July/December 2020. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102030306X>.
- [Dan22] **Daniluk:2022:URC**
 Andrzej Daniluk. Update 2.0 to `rheed++`: a complex computer model for dynamical one-beam calculations of RHEED intensity oscillations. *SoftwareX*, 18(??):??, June 2022. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000371>.
- [dARPH⁺19] **Resenes:2019:JJM**
 Jonas de Abreu Resenes, Willingthon Pavan, Carlos Amaral Hölbig, José Maurício Cunha Fernandes, Vakhtang Shelia, Cheryl Porter, and Gerit Hoogenboom. `jDSSAT`: a JavaScript module for DSSAT-CSM integration. *SoftwareX*, 10(??):Article 100271, July/December 2019. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101930158X>.
- [Dav21] **Davies:2021:SPB**
 Claire L. Davies. `SEDBYS`: a Python-based SED Builder for Young Stars. *SoftwareX*, 14(??):??, June 2021. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000327>.
- [DBJ19] **Dharmavarapu:2019:GSD**
 Raghu Dharmavarapu, Shanti Bhattacharya, and Saulius Juodkazis. `GDOE-SII`: Software for design of diffractive optical elements and phase mask conversion to `GDSII` lithography files. *SoftwareX*, 9(??):126–131, January/June 2019. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302711>.
- [DDT20] **Palma:2020:APL**
 Stefano Dalla Palma, Dario Di Nucci, and Damian A. Tamburri. `AnsibleMetrics`: a Python library for measuring Infrastructure-as-Code blueprints

- in Ansible. *SoftwareX*, 12(??):Article 100633, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303460>.
- [Deg20] Jérôme Degallaix. OSCAR: a MATLAB based package to simulate realistic optical cavities. *SoftwareX*, 12(??):Article 100587, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303009>.
- [DEV⁺21] Partha Pratim Das, Muthu Ram Prabhu Elenchezhiyan, Vamsee Vadlamudi, Kenneth Reifsnider, and Rassel Raihan. RealPi2dDIC: a low-cost and open-source approach to in situ 2D Digital Image Correlation (DIC) applications. *SoftwareX*, 13(??):Article 100645, January 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303587>.
- [DFC18] Alexander G. Demidov, Michael E. Fortunato, and Coray M. Colina. Update 0.2 to “pysimm: a Python package for simulation of molecular systems”. *SoftwareX*, 7(??):70–73, January/June 2018. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300141>.
- [DFS⁺19] Georgios Doulis, Jörg Frauendiener, Chris Stevens, and Ben Whale. COFFEE — an MPI-parallelized Python package for the numerical evolution of differential equations. *SoftwareX*, 10(??):Article 100283, July/December 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019300950>.
- [DG21] Sebastian Deorowicz and Adam Gudyś. Whisper 2: Indel-sensitive short read mapping. *SoftwareX*, 14(??):??, June 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000376>.
- [DHK⁺20] J. Dölz, H. Harbrecht, S. Kurz, M. Multerer, S. Schöpfs, and F. Wolf. Bembel: the fast iso-

Degallaix:2020:OMB

Doulis:2019:CMP

Das:2021:RLC

Deorowicz:2021:WIS

Demidov:2018:UPP

Dolz:2020:BFI

- geometric boundary element C++ library for Laplace, Helmholtz, and electric wave equation. *SoftwareX*, 11(??):Article 100476, January/June 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019301797>.
- [DI22] **Deza:2022:QGN**
 Juan Ignacio Deza and Hisham Ihshaish. qNoise: a generator of non-Gaussian colored noise. *SoftwareX*, 18(??):??, June 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000346>.
- [DK19] **Don:2019:ACF**
 Mihiran Galagedarage Don and Faisal Khan. Auxiliary codes for fault prognosis of Tennessee Eastman process using a hybrid model (CPL1.0). *SoftwareX*, 10(??):Article 100309, July/December 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301924>.
- [DKL+21] **Drago:2021:CWP**
 Marco Drago, Sergey Klimenko, Claudia Lazaro, Edoardo Milotti, Guenakh Mitselmakher, Valentin Necula, Brendan O'Brian, Giovanni Andrea Prodi, Francesco Salemi, Marek Szczepanczyk, Shubhanshu Tiwari, Vaibhav Tiwari, Gayathri V, Gabriele Vedovato, and Igor Yakushin. *coherent WaveBurst*, a pipeline for unmodeled gravitational-wave data analysis. *SoftwareX*, 14(??):??, June 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000236>.
- [DL16] **Degenne:2016:OSP**
 P. Degenne and D. Lo Seen. *Ocelet*: Simulating processes of landscape changes using interaction graphs. *SoftwareX*, 5(??):84–88, ????? 2016. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300103>.
- [DLH18] **Doucet:2018:WIR**
 M. Doucet, R. M. Ferraz Leal, and T. C. Hobson. Web interface for reflectivity fitting. *SoftwareX*, 7(??):287–293, January/June 2018. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300657>.

- [dSVBLdA⁺17] **deloSantos-Villalobos:2017:PCV**
 Sergio de los Santos-Villalobos, Claudio Bravo-Linares, Roberto Meigikos dos Anjos, Renan Cardoso, Max Gibbs, Andrew Swales, Lionel Mabit, and Gerd Dercon. The CSSIAR v.1.00 software: a new tool based on SIAR to assess soil redistribution using Compound Specific Stable Isotopes. *SoftwareX*, 6(??):7–12, ??? 2017. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300425>.
- [DM19] **Dhakal:2019:MBM**
 Suresh Dhakal and Mohamed A. Moustafa. MC-BAM: Moment-curvature analysis for beams with advanced materials. *SoftwareX*, 9(??):175–182, January/June 2019. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301432>.
- [DM20] **Decan:2020:SPL**
 Alexandre Decan and Tom Mens. Sismic — a Python library for statechart execution and testing. *SoftwareX*, 12(??):Article 100590, July/December 2020. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303034>.
- [dMOH21] **Oliveira:2021:IIA**
 Artur André Almeida de Macedo Oliveira and Roberto Hirata. INACITY — INvestigate and Analyze a CITY. *SoftwareX*, 15(??):??, July 2021. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000911>.
- [DN17] **Dmitrieff:2017:CMC**
 Serge Dmitrieff and François Nédélec. ConfocalGN: a minimalistic confocal image generator. *SoftwareX*, 6(??):237–242, ??? 2017. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300444>.
- [DPF⁺21] **Demidov:2021:UPP**
 Alexander G. Demidov, B. Lakshitha A. Perera, Michael E. Fortunato, Sibö Lin, and Coray M. Colina. Update 1.1 to “pysimm: a Python package for simulation of molecular systems”, (PII: S2352711016300395). *SoftwareX*, 15(??):??, July 2021. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300395>.

- science/article/pii/S2352711021000777. See [FC17].
- Reis:2020:DSN**
- [dQRRBdSM20] Ana Waldila de Queiroz Ramiro Reis, Rodrigo Bird Burgos, and Margareth da Silva Magalhães. Development of a software for the numerical modeling of reinforced concrete sections — AlfaMCV. *SoftwareX*, 11(??):Article 100444, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302061>.
- daSilvaGuerra:2020:PPT**
- [dRB⁺20] João Victor da Silva Guerra, Helder Veras Ribeiro Filho, Leandro Oliveira Bortot, Rodrigo Vargas Honorato, José Geraldo de Carvalho Pereira, and Paulo Sérgio Lopes de Oliveira. ParkVFinder: a thread-level parallel approach in biomolecular cavity detection. *SoftwareX*, 12(??):Article 100606, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303198>.
- Dahling:2020:OAG**
- [DRM20] Stefan Dähling, Lukas Razik, and Antonello Monti. OWL2Go: Auto-generation of Go data models for OWL ontologies with integrated serialization and deserialization functionality. *SoftwareX*, 12(??):Article 100571, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020302843>.
- Drvoderic:2021:CDC**
- [DRPS21] Matthias Drvoderic, Matthias Retzl, Martin Pletz, and Clara Schuecker. CrackDect: Detecting crack densities in images of fiber-reinforced polymers. *SoftwareX*, 16(??):??, December 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001205>.
- Dosta:2020:MOS**
- [DS20] Maksym Dosta and Vasyly Skorych. MUSEN: an open-source framework for GPU-accelerated DEM simulations. *SoftwareX*, 12(??):Article 100618, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303319>.

- [dSBSD17] **dosSantos:2017:ACC**
 Jhonatha R. dos Santos, Luiz F. N. Barreta, Maria E. Sbampato, and Marcelo G. Destro. ASAS: Computational code for Analysis and Simulation of Atomic Spectra. *SoftwareX*, 6(??):198–202, 2017. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300298>.
- [DSI+20] **Drozin:2020:KCS**
 Dmitry Drozin, Sergey Sozykin, Natalia Ivanova, Tatiana Olenchikova, Tatyana Krupnova, Natalia Krupina, and Viacheslav Avdin. Kinetic calculation: Software tool for determining the kinetic parameters of the thermal decomposition process using the Vyazovkin method. *SoftwareX*, 11(??):Article 100359, January/June 2020. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019301931>.
- [DSJ+22] **Desai:2022:AEU**
 Deshana Desai, Etai Shuchatowitz, Zhongshi Jiang, Teseo Schneider, and Daniele Panozzo. ACORNS: an easy-to-use code generator for gradients and Hessians. *SoftwareX*, 17(??):??, January 2022. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001540>.
- [DTD17] **DeSensi:2017:MHL**
 Daniele De Sensi, Massimo Torquati, and Marco Danelutto. Mammut: High-level management of system knobs and sensors. *SoftwareX*, 6(??):148–149, 2017. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300225>.
- [DTDd19] **Drummond:2019:SRP**
 Blair R. Drummond, Christian J. G. Tessier, Mathieu F. Dextraze, and Corrie J. B. daCosta. *scbursts*: an R package for analysis and sorting of single-channel bursts. *SoftwareX*, 10(??):Article 100285, July/December 2019. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019300810>.
- [DW20] **Das:2020:RID**
 Subasish Das and L. D. White. RuralSpeedSafetyX: Interactive decision support tool to improve safety. *SoftwareX*, 11

- (?):Article 100493, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019303553>.
- Deniziak:2021:DLC**
- [DW21] Stanisław Deniziak and Mariusz Wiśniewski. DECOLib: a library of components for DECOmposition of discrete functions. *SoftwareX*, 16(??):??, December 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001023>.
- DeChavez:2021:OPM**
- [DyH21] Danjo De Chavez and Junya Hasegawa. OpenMechanochem: a Python module for mechanochemical simulations. *SoftwareX*, 16(??):??, December 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001436>.
- Dong:2022:DNT**
- [DZZ⁺22] Li Dong, Yufan Zhang, Lingling Zhao, Ting Zheng, Weidong Wang, Jianfu Li, Diankun Gong, Tiejun Liu, and Dezhong Yao. DRT: a new toolbox for the Standard EEG Data Structure in large-scale EEG applications. *SoftwareX*, 17(??):??, January 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001709>.
- ElOulaFrihi:2021:TSM**
- Zahrata El Oula Frihi, Julian Barreiro-Gomez, Salah Eddine Choutri, and Hamidou Tembine. Toolbox to simulate and mitigate COVID-19 propagation. *SoftwareX*, 14(??):??, June 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000182>.
- El-Habr:2019:RPG**
- Camille El-Habr, Xavier Garcia, Pujana Paliyawan, and Ruck Thawonmas. Runner: a 2D platform game for physical health promotion. *SoftwareX*, 10(?):Article 100329, July/December 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101930024X>.
- El-khoury:2016:LCG**
- Jad El-khoury. Lyo code generator: a model-based code generator for the development of OSLC-compliant tool interfaces.
- [EBGCT21]
- [Ek16]

- SoftwareX*, 5(??):183–189, ????. 2016. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300267>. [ENCS20]
- [EL17] **Emmanouil:2017:UAH**
 Stergios Emmanouil and Andreas Langousis. **UPStream**: Automated hydraulic design of pressurized water distribution networks. *SoftwareX*, 6(??):243–247, ????. 2017. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300432>. [EPF+22]
- [EL20] **Elkady:2020:ESE**
 Ahmed Elkady and Dimitrios G. Lignos. **EaRL** — software for earthquake risk, loss and lifecycle analysis. *SoftwareX*, 12(??):Article 100607, July/December 2020. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303204>.
- [Elk22] **Elkady:2022:FOS**
 Ahmed Elkady. **FM-2D** — open-source platform for the 2-dimensional numerical modeling and seismic analysis of buildings. *SoftwareX*, 17(??):??, January 2022. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001679>.
- Eschle:2020:ZSP**
 Jonas Eschle, Albert Puig Navarro, Rafael Silva Coutinho, and Nicola Serra. **zfit**: Scalable pythonic fitting. *SoftwareX*, 11(??):Article 100508, January/June 2020. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019303851>.
- Ertl:2022:POS**
 Matthias Ertl, Carlo Prelz, Daniel C. Fitze, Gerda Wyssen, and Fred W. Mast. **PlatformCommander** — an open source software for an easy integration of motion platforms in research laboratories. *SoftwareX*, 17(??):??, January 2022. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102100176X>.
- Fox:2020:PPR**
 Nathan Fox, Tom August, Francesca Mancini, Katherine E. Parks, Felix Eigenbrod, James M. Bullock, Louis Sutter, and Laura J. Graham. “**photosearcher**” package in R: an accessible and

reproducible method for harvesting large datasets from Flickr. *SoftwareX*, 12(??):Article 100624, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102030337X>.

Folgado:2022:TTS

[FBA⁺22]

Duarte Folgado, Marília Barandas, Margarida Antunes, Maria Lua Nunes, Hui Liu, Yale Hartmann, Tanja Schultz, and Hugo Gamboa. TSSEARCH: Time Series Subsequence Search Library. *SoftwareX*, 18(??):??, June 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000425>.

Fortunato:2017:PPP

[FC17]

Michael E. Fortunato and Coray M. Colina. pysimm: a Python package for simulation of molecular systems. *SoftwareX*, 6(??):1–6, ??? 2017. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300395>. See updates [DFC18, DPF⁺21].

Fagundes:2020:CSM

[FG20]

Daniel Leal Fagundes and

Jair T. Goulart. Con-tHeart: Software for monitoring isolated cardiomyocyte shortening. *SoftwareX*, 12(??):Article 100547, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019303826>.

Funk:2017:HNV

[FHA17]

Sean P. Funk, Danny Hnatyshin, and Daniel S. Alessi. HYDROSCAPE: a new versatile software program for evaluating contaminant transport in groundwater. *SoftwareX*, 6(??):255–260, ??? 2017. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101730050X>.

Fisher:2021:DTI

[FHB⁺21]

Ryan P. Fisher, Gary Hemming, Marie-Anne Bizouard, Duncan A. Brown, Peter F. Couvares, Florent Robinet, and Didier Verkindt. DQSEGDB: a time-interval database for storing gravitational wave observatory metadata. *SoftwareX*, 14(??):??, June 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000224>.

- [FJ22] **Farmer:2022:MTP** Jenny Farmer and Donald J. Jacobs. MATLAB tool for probability density assessment and nonparametric estimation. *SoftwareX*, 18(??):??, June 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000231>. [FPI+22]
- [FLR22] **Fraccaroli:2022:SDT** Michele Fraccaroli, Evelina Lamma, and Fabrizio Riguzzi. Symbolic DNN-Tuner: a Python and ProbLog-based system for optimizing Deep Neural Networks hyperparameters. *SoftwareX*, 17(??):??, January 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001825>. [Fra22]
- [FPBM18] **Ferguson:2018:PPM** Joseph C. Ferguson, Francesco Panerai, Arnaud Borner, and Nagi N. Mansour. PuMA: the Porous Microstructure Analysis software. *SoftwareX*, 7(??):81–87, January/June 2018. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300281>. See update [FST+21]. [FRdN21]
- Flint:2022:BNS** Thomas F. Flint, Gowthaman Parivendhan, Alojz Ivankovic, Michael C. Smith, and Philip Cardiff. beamWeldFoam: Numerical simulation of high energy density fusion and vapourisation-inducing processes. *SoftwareX*, 18(??):??, June 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000504>.
- Fraszczak:2022:RRP** Damian Fraszczak. RPaSDT — Rumor Propagation and Source Detection Toolkit. *SoftwareX*, 17(??):??, January 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000085>.
- Fiorio:2021:IPP** Luan Vinícius Fiorio, Chrystian Lenon Remes, and Yales Rômulo de Novaes. impulseest: a Python package for nonparametric impulse response estimation with input–output data. *SoftwareX*, 15(??):??, July 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000832>.

- [Fru21] **Fruhstorfer:2021:PTD**
 Jens Fruhstorfer. ParSD — tool to design and analyze particle size distributions. *SoftwareX*, 15(??):??, July 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000790>.
- [FS19] **Flint:2019:HHE**
 T. F. Flint and M. C. Smith. HEDSATS: High energy density semi-analytical thermal solutions. *SoftwareX*, 10(??):Article 100243, July/December 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019300688>. [FVA+20]
- [FSL16] **Fragkoulis:2016:PQS**
 Marios Fragkoulis, Diomidis Spinellis, and Panos Louridas. PiCO QL: a software library for runtime interactive queries on program data. *SoftwareX*, 5(??):127–133, ????? 2016. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300176>. [FVD20]
- [FST+21] **Ferguson:2021:UPP**
 Joseph C. Ferguson, Federico Semeraro, John M. Thornton, Francesco Panerai, Arnaud Borner, and Nagi N. Mansour. Update 3.0 to “PuMA: the Porous Microstructure Analysis software”, (PII:S2352711018300281). *SoftwareX*, 15(??):??, July 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102100090X>. See [FPBM18].
- Ferenc:2020:DWF**
 Rudolf Ferenc, Tamás Viszok, Tamás Aladics, Judit Jász, and Péter Hegedűs. Deep-water framework: the Swiss army knife of humans working with machine learning models. *SoftwareX*, 12(??):Article 100551, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019303772>.
- Futia:2020:SSM**
 Giuseppe Futia, Antonio Vetrò, and Juan Carlos De Martin. SeMi: a semantic modeling machine to build knowledge graphs with graph neural networks. *SoftwareX*, 12(??):Article 100516, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302626>.

- [FWB⁺21] **Fajardo:2021:ALW** [GCC20] Edgar Fajardo, Frank Wuerthwein, Brian Bockelman, Miron Livny, Greg Thain, James Alexander Clark, Peter Couvares, and Josh Willis. Adapting LIGO workflows to run in the Open Science Grid. *SoftwareX*, 14(??):??, June 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000248>.
- [GABH22] **Garouani:2022:AAE** [GCdJAURO21] Moncef Garouani, Adeel Ahmad, Mourad Bouneffa, and Mohamed Hamlich. AMLBID: an auto-explained Automated Machine Learning tool for Big Industrial Data. *SoftwareX*, 17(??):??, January 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001631>.
- [Gag21] **Gagolewski:2021:GFR** [GCP22] Marek Gagolewski. **genieclust:** Fast and robust hierarchical clustering. *SoftwareX*, 15(??):??, July 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000649>.
- Gavidia-Calderon:2020:IJF** Carlos Gavidia-Calderon and César Beltrán Castañón. **Isula:** a Java framework for ant colony algorithms. *SoftwareX*, 11(??):Article 100400, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019300639>.
- Garcia-Cadena:2021:PLT** Carlos A. García-Cadena, Abraham de J. Aguilar-Urbe, and Luis F. Rojas-Ochoa. **PhotonSTR-18:** a LabVIEW toolbox for photon correlation spectroscopy. *SoftwareX*, 13(??):Article 100640, January 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303538>.
- Gusain:2022:SME** Digvijay Gusain, Miloš Cvetković, and Peter Palensky. Simplifying multi-energy system co-simulations using **energysim.** *SoftwareX*, 18(??):??, June 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000255>.

Garcia:2016:OOO

[GdCF16]

Álvaro López García, Enol Fernández del Castillo, and Pablo Orviz Fernández. [Geo17] ooi: OpenStack OCCi interface. *SoftwareX*, 5(??): 1–5, ????. 2016. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016000029>.

Galuzio:2020:MMO

[GdVSdSCM20]

Paulo Paneque Galuzio, [GG21] Emerson Hochsteiner de Vasconcelos Segundo, Leandro dos Santos Coelho, and Viviana Cocco Mariani. MOBOpt — multi-objective Bayesian optimization. *SoftwareX*, 12(??):Article 100520, July/December 2020. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020300911>. [Gir21]

Graichen:2019:SPT

[GEH19]

Uwe Graichen, Roland Eichardt, and Jens Hauelsen. SpharaPy: a Python toolbox for spatial harmonic analysis of non-uniformly sampled data. *SoftwareX*, 10(??):Article 100289, July/December 2019. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/> [Giu19]

[science/article/pii/S2352711019301670](http://www.sciencedirect.com/science/article/pii/S2352711019301670).

Georgeon:2017:LAP

Olivier L. Georgeon. Little AI: Playing a constructivist robot. *SoftwareX*, 6(??):155–160, ????. 2017. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300213>.

Gunaratne:2021:NAB

Chathika Gunaratne and Ivan Garibay. NL4Py: Agent-based modeling in Python with parallelizable NetLogo workspaces. *SoftwareX*, 16(??):??, December 2021. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001035>.

Giroux:2021:TPP

Bernard Giroux. ttcrypy: a Python package for traveltime computation and raytracing. *SoftwareX*, 16(??):??, December 2021. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001217>.

Giulioni:2019:GGA

Gianfranco Giulioni. GABRIELE: the General Agent Based

- Repast Implemented Extensible Laboratory for Economics. *SoftwareX*, 9(??):255–259, January/June 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300761>. [GLS+22]
- [GKM20] Jan Wilhelm Gärtner, Andreas Kronenburg, and Tobias Martin. Efficient WENO library for OpenFOAM. *SoftwareX*, 12(??):Article 100611, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303241>. [GMF18]
- [GL15] Greg R. Guerin and Andrew J. Lowe. Mapping phylogenetic endemism in R using geo-referenced branch extents. *SoftwareX*, 3–4(??):13–21, December 2015. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711015000126>. [GMF20]
- [GLR22] Tzvi Gershanik, Itay Levin, and Daniel Rittel. 2BarG — a program to process split Hopkinson (Kolsky) bar test results. *SoftwareX*, 18(??):??, June 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000644>. [G:2022:GMG]
- Renjith G., Sonia Laudanna, Aji S., Corrado Aaron Visaggio, and Vinod P. GANG-MAM: GAN based enGine for Modifying Android Malware. *SoftwareX*, 18(??):??, June 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000036>. [Gerber:2018:DRP]
- F. Gerber, K. Mösinger, and R. Furrer. dotCall164: an R package providing an efficient interface to compiled C, C++, and Fortran code supporting long vectors. *SoftwareX*, 7(??):217–221, January/June 2018. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300785>. [Gerst:2020:MSI]
- Ruman Gerst, Anna Medyukhina, and Marc Thilo Figge. MISA++: a standardized interface for automated bioimage analysis. *SoftwareX*, 11

- (?):Article 100405, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302808>.
- [GMGG19] **Garnier:2019:ISR**
 Guillaume F. G. Garnier, Clare A. Mander-son, Saveen Giri, and Gil Garnier. Ident-
 Cyte: Simple red blood cell identification software. *SoftwareX*, 9(?):223–229, January/June 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301377>.
- [GMKRS21] **Gaete-Morales:2021:DPF**
 Carlos Gaete-Morales, Martin Kittel, Alexander Roth, and Wolf-Peter Schill. DIETERpy: a Python framework for the Dispatch and Invest-
 ment Evaluation Tool with Endogenous Renewables. *SoftwareX*, 15(?):??, July 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000947>.
- [GMNG⁺18] **Gutierrez:2018:BAO**
 Ronald R. Gutierrez, Jose A. Mallma, Francisco Núñez-González, Oscar Link, and Jorge D. Abad. Bedforms-ATM, an open source software to analyze the scale-based hierarchies and dimensionality of natural bed forms. *SoftwareX*, 7(?):184–189, January/June 2018. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300451>.
- [GÓ19] **Gloster:2019:CCF**
 Andrew Gloster and Lennon Ó Náraigh. cuSten — CUDA finite difference and stencil library. *SoftwareX*, 10(?):Article 100337, July/December 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019300561>.
- [Gök21] **Goke:2021:AJJ**
 Leonard Göke. AnyMOD.jl: a Julia package for creating energy system models. *SoftwareX*, 16(?):??, December 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001382>.
- [GP22] **Giuffre:2022:NIP**
 Andrea Giuffre’ and Matteo Pini. NiceProp: an interactive Python-based educational tool for non-ideal compressible fluid

- dynamics. *SoftwareX*, 17(??):??, January 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001527>.
- Ghimire:2021:CCR**
- [GPK⁺21] Bhoj Raj Ghimire, Rishi Ram Parajuli, Bipin Khatiwada, Shobha Poudel, Kusum Sharma, and Bhogendra Mishra. Covira: a COVID-19 risk assessment, visualization and communication tool. *SoftwareX*, 16(??):??, December 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001400>.
- Godoy:2020:AAI**
- [GPW⁺20] William F. Godoy, Norbert Podhorszki, Ruonan Wang, Chuck Atkins, Greg Eisenhauer, Junmin Gu, Philip Davis, Jong Choi, Kai Germaschewski, Kevin Huck, Axel Huebl, Mark Kim, James Kress, Tahsin Kurc, Qing Liu, Jeremy Logan, Kshitij Mehta, George Ostrochov, Manish Parashar, Franz Poeschel, David Pugmire, Eric Suchyta, Keichi Takahashi, Nick Thompson, Seiji Tsutsumi, Lipeng Wan, Matthew Wolf, Kesheng Wu, and Scott Klasky. ADIOS 2: the Adaptable Input Output System. A framework for high-performance data management. *SoftwareX*, 12(??):Article 100561, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302560>.
- Gladstein:2018:SPF**
- Ariella L. Gladstein, Consuelo D. Quinto-Cortés, Julian L. Pistorius, David Christy, Logan Gantner, and Blake L. Joyce. SimPrily: a Python framework to simplify high-throughput genomic simulations. *SoftwareX*, 7(??):335–340, January/June 2018. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301213>.
- Gerum:2019:CPP**
- [GRW⁺19] Richard C. Gerum, Sebastian Richter, Alexander Winterl, Christoph Mark, Ben Fabry, Céline Le Bohec, and Daniel P. Zitterbart. CameraTransform: a Python package for perspective corrections and image mapping. *SoftwareX*, 10(??):Article 100333, July/December 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302560>.

- www.sciencedirect.com/science/article/pii/S2352711019302018.
- [GSF21] Elizabeth D. Gregory, William C. Schneck, and Erik L. Frankforter. **swSim**: Solid wave simulation. *SoftwareX*, 14(??):??, June 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000431>. **Gregory:2021:SSW** [GTG21]
- [GSP⁺17] Dorleta Garcia, Sonia Sánchez, Raúl Prellezo, Agurtzane Urtizberea, and Marga Andrés. **FLBEIA**: a simulation model to conduct bio-economic evaluation of fisheries management strategies. *SoftwareX*, 6(??):135–140, ????? 2017. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300171>. **Garcia:2017:FSM** [GV20]
- [GTC21] Nicolò Grilli, Edmund Tarleton, and Alan C. F. Cocks. **Neper2CAE** and **PyCiGen**: Scripts to generate polycrystals and interface elements in Abaqus. *SoftwareX*, 13(??):Article 100651, January 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000431>. **Grilli:2021:NPS** [GVAO19]
- science/article/pii/S2352711020303642. **Gross:2021:MTR**
- Felix Groß, Nick Träger, and Joachim Gräfe. MIEP — a time-resolved X-ray image evaluation program. *SoftwareX*, 15(??):??, July 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000509>. **Gupta:2020:RNV**
- Udit Gupta and Dionisios G. Vlachos. **Reaction Network Viewer (ReNView)**: an open-source framework for reaction path visualization of chemical reaction systems. *SoftwareX*, 11(??):Article 100442, January/June 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302432>. **Gomez:2019:CMC**
- Francisco J. Gómez, Luigi Vanfretti, Miguel Aguilera, and Svein H. Olsen. **CIM-2-mod**: a CIM to Modelica mapping and model-2-model transformation engine. *SoftwareX*, 9(??):161–167, January/June 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302432>.

- science/article/pii/S2352711018300554.
- Govender:2016:BDM**
- [GWK16] Nicolin Govender, Daniel N. Wilke, and Schalk Kok. **Blaze-DEMGPU**: Modular high performance DEM framework for the GPU architecture. *SoftwareX*, 5(??):51–61, 2016. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101630005X>.
- Gajowniczek:2021:IRPa**
- [GZ21a] Krzysztof Gajowniczek and Tomasz Zabkowski. **ImbTreeAUC**: an R package for building classification trees using the area under the ROC curve (AUC) on imbalanced datasets. *SoftwareX*, 15(??):??, July 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000807>.
- Gajowniczek:2021:IRPb**
- [GZ21b] Krzysztof Gajowniczek and Tomasz Zabkowski. **ImbTreeEntropy**: an R package for building entropy-based classification trees on imbalanced datasets. *SoftwareX*, 16(??):??, December 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001242>.
- Galizia:2019:JGM**
- Antonella Galizia, Gabriele Zereik, Luca Roverelli, Emanuele Danovaro, Andrea Clematis, and Daniele D’Agostino. **Json-GUI** — a module for the dynamic generation of form-based web interfaces. *SoftwareX*, 9(??):28–34, January/June 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300505>.
- Gomez:2022:PPB**
- Alberto Gomez, Veronika A. Zimmer, Gavin Wheeler, Nicolas Toussaint, Shujie Deng, Robert Wright, Emily Skelton, Jackie Matthew, Bernhard Kainz, Jo Hajnal, and Julia Schnabel. **PRETUS**: a plug-in based platform for real-time ultrasound imaging research. *SoftwareX*, 17(??):??, January 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001849>.
- Hahne:2019:POD**
- Christopher Hahne and Amar Aggoun. **PlenoptiSign**: an optical design tool for plenoptic imaging.
- [GZR⁺19]
- [GZW⁺22]
- [HA19]

- SoftwareX*, 10(?):Article 100259, July/December 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019300159>.
- [Han20] Robin K. S. Hankin. Introducing the `permutations` R package. *SoftwareX*, 11(?):Article 100453, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302055>.
- [Has18] Kamyar Hasanzadeh. IASM: Individualized activity space modeler. *SoftwareX*, 7(?):138–142, January/June 2018. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300542>.
- [HBA⁺20] Patrick Herring, Chirranjeevi Balaji Gopal, Muratahan Aykol, Joseph H. Montoya, Abraham Anapolsky, Peter M. Attia, William Gent, Jens S. Hummelshøj, Linda Hung, Ha-Kyung Kwon, Patrick Moore, Daniel Schweigert, Kristen A. Severson, Santosh Suram, Zi Yang,
- [HBS16] Balázs Zsigmond Horváth, Bence Blaske, and Anita Szabó. Duenna — an experimental language teaching application. *SoftwareX*, 5(?):163–170, ???? 2016. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300231>.
- [HBS⁺20] P. E. Hadjidoukas, A. Bartzetzaghi, F. Scheidegger, R. Istrate, C. Bekas, and A. C. I. Malossitorcipy: Supporting task parallelism in Python. *SoftwareX*, 12(?):Article 100517, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020300091>.
- [HCS⁺20] Lars Hertel, Julian Collado, Peter Sadowski,
- Richard D. Braatz, and Brian D. Storey. BEEP: a Python library for battery evaluation and early prediction. *SoftwareX*, 11(?):Article 100506, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020300492>.

Jordan Ott, and Pierre Baldi. **Sherpa**: Robust hyperparameter optimization for machine learning. *SoftwareX*, 12(??):Article 100591, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303046>.

Heller:2021:STS

[HDA21]

William T. Heller, Mathieu Doucet, and Richard K. Archibald. **Sas-temper**: Software for fitting small-angle scattering data that provides automated reproducibility characterization. *SoftwareX*, 16(??):??, December 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102100128X>.

Helske:2022:EBG

[Hel22]

Jouni Helske. Efficient Bayesian generalized linear models with time-varying coefficients: the **walker** package in R. *SoftwareX*, 18(??):??, June 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102200022X>.

Hammad:2019:RRE

[HESH19]

Issam Hammad, Kamal El-Sankary, and Holly

Hornibrook. **RETSM**anager: Real-estate database builder and synchronizer. *SoftwareX*, 10(??):Article 100351, July/December 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101930250X>.

Haidar:2021:PPP

[HFS+21]

Ali Haidar, Matthew Field, Jonathan Sykes, Martin Carolan, and Lois Holloway. **PSPSO**: a package for parameters selection using particle swarm optimization. *SoftwareX*, 15(??):??, July 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000510>.

Harwood:2020:JOS

[HGG20]

Adrian R. G. Harwood, James Gill, and Simeon Gill. **JBlockCreator**: an open source, pattern drafting framework to facilitate the automated manufacture of made-to-measure clothing. *SoftwareX*, 11(??):Article 100365, January/June 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302528>.

- [HGS17] **Haustein:2017:DEM** Martin Haustein, Anton Gladkyy, and Rüdiger Schwarze. Discrete element modeling of deformable particles in YADE. *SoftwareX*, 6(??):107–117, ??? 2017. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300134>.
- [HGWM18] **Hassan:2018:SSP** Rakib Hassan, Michael Gurnis, Simon E. Williams, and R. Dietmar Müller. SPGM: a Scalable PaleoGeomorphology Model. *SoftwareX*, 7(??):263–272, January/June 2018. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301341>.
- [HH21] **Handler:2021:PAM** David C. L. Handler and Paul A. Haynes. PeptideMind — applying machine learning algorithms to assess replicate quality in shotgun proteomic data. *SoftwareX*, 13(??):Article 100644, January 2021. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303575>.
- [HHH22] **Haas:2022:RDE** Christoph Haas, Dörthe Holthusen, and Rainer Horn. The Rheological-Data Extraction Application: a time-saving tool for the extraction of measured rheological data from a specific rheometer-inherent software. *SoftwareX*, 18(??):??, June 2022. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000450>.
- [HHN20] **Hansen:2020:CSV** Marcus H. Hansen, Peter Hokland, and Charlotte G. Nyvold. CNAplot — Software for visual inspection of chromosomal copy number alteration in cancer using juxtaposed sequencing read depth ratios and variant allele frequencies. *SoftwareX*, 11(??):Article 100503, January/June 2020. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020300522>.
- [HKC⁺18] **Hafner:2018:SBR** Sasha D. Hafner, Konrad Koch, Hélène Carrere, Sergi Astals, Sören Weinrich, and Charlotte Renuit. Software for biogas research: Tools for

- measurement and prediction of methane production. *SoftwareX*, 7(??): 205–210, January/June 2018. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300840>. [HKS⁺22]
- [HKF⁺20] Sahar Hojati, Rahele Kafieh, Parisa Fardafshari, Masoud Aghsaei Fard, and Hatef Fouladi. A MATLAB package for automatic extraction of flow index in OCT-A images by intelligent vessel manipulation. *SoftwareX*, 12(??):Article 100510, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020300364>. [HL22]
- [HKM⁺19] Brandon K. Horton, Rajiv K. Kalia, Erick Moen, Aiichiro Nakano, Ken ichi Nomura, Michael Qian, Priya Vashishta, and Anders Hafreager. Game-Engine-Assisted Research platform for Scientific computing (GEARS) in virtual reality. *SoftwareX*, 9(??):112–116, January/June 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300633>. [Harmouche:2022:XOS]
- Ahmed Harmouche, Ferenc Kövér, Sándor Szukits, Tamás Dóczi, Péter Bogner, and Arnold Tóth. XReport: an online structured reporting platform for radiologists. *SoftwareX*, 17(??):??, January 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000115>. [Holmi:2022:WMD]
- Joonas Tapani Holmi and Harri Lipsanen. WITio: a MATLAB data evaluation toolbox to script broader insights into big data from WITec microscopes. *SoftwareX*, 18(??):??, June 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102200019X>. [Hamida:2022:OPF]
- Zachary Hamida, Blanche Laurent, and James-A. Goulet. OpenIPDM: a probabilistic framework for estimating the deterioration and effect of interventions on bridges. *SoftwareX*, 18(??):??, June 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102200019X>. [Horton:2019:GEA]
- Brandon K. Horton, Rajiv K. Kalia, Erick Moen, Aiichiro Nakano, Ken ichi Nomura, Michael Qian, Priya Vashishta, and Anders Hafreager. Game-Engine-Assisted Research platform for Scientific computing (GEARS) in virtual reality. *SoftwareX*, 9(??):112–116, January/June 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300633>. [HLMG22]

- science/article/pii/S2352711022000565.
- Haselsteiner:2019:VSC**
- [HLP⁺19] Andreas F. Haselsteiner, Jannik Lehmkuhl, Tobias Pape, Kai-Lukas Windmeier, and Klaus-Dieter Thoben. ViroCon: a software to compute multivariate extremes using the environmental contour method. *SoftwareX*, 9(??):95–101, January/June 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301420>.
- Herritt:2021:FFI**
- [HLR⁺21] Matthew T. Herritt, Jacob C. Long, Mike D. Roybal, David C. Moller, Todd C. Mockler, Duke Pauli, and Alison L. Thompson. FLIP: FLuorescence Imaging Pipeline for field-based chlorophyll fluorescence images. *SoftwareX*, 14(??):??, June 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000303>.
- Huang:2016:UBI**
- [HLW⁺16] Sheng-Cheng Huang, Sara Lee, Allen Wang, Scott B. Cantor, Clement Sun, Kaili Fan, Gregory P. Reece, Min Soon Kim, and Mia K. Markey. UT Biomedical Informatics Lab (BMIL) probability wheel. *SoftwareX*, 5(??):203–210, ????? 2016. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300292>.
- Hebert:2022:NPP**
- Raphaël Hebert and Emese Megléc. NSDPY: a Python package to download DNA sequences from NCBI. *SoftwareX*, 18(??):??, June 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102200036X>.
- Hanwell:2015:VTV**
- [HMCA15] Marcus D. Hanwell, Kenneth M. Martin, Aashish Chaudhary, and Lisa S. Avila. The Visualization Toolkit (VTK): Rewriting the rendering code for modern graphics cards. *SoftwareX*, 1–2(??):3–8, September 2015. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711015000035>.
- Harwood:2018:LMC**
- [HOM⁺18] Adrian R. G. Harwood, Joseph O’Connor, Jonathan Sanchez Muñoz, Marta Camps Santasmasas, and Alis-

- tair J. Revell. LUMA: a many-core, fluid-structure interaction solver based on the Lattice-Boltzmann method. *SoftwareX*, 7(??):88–94, January/June 2018. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300219>.
- [HR20] Kenneth A. Hart and Julian J. Rimoli. **Hart:2020:MSM** [HS20] `MicroStructPy`: a statistical microstructure mesh generator in Python. *SoftwareX*, 12(??):Article 100595, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303083>.
- [HR21] Charlie Hoy and Vivien Raymond. **Hoy:2021:PCA** [HSMF22] `PESummary`: the code agnostic Parameter Estimation Summary page builder. *SoftwareX*, 15(??):??, July 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000856>.
- [HRC20] Nan-Hung Hsieh, Brad Reisfeld, and Weihsueh A. Chiu. **Hsieh:2020:PRP** [HT18] `pknsensi`: an R package to apply global sensitivity analysis in physiologically based kinetic modeling. *SoftwareX*, 12(??):Article 100609, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303228>.
- [HRC20] Martin Heinrich and Rüdiger Schwarze. **Heinrich:2020:CVF** [HS20] 3D-coupling of volume-of-fluid and Lagrangian particle tracking for spray atomization simulation in OpenFOAM. *SoftwareX*, 11(??):Article 100483, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020300303>.
- [HRC20] Maliheh Haghgoo, Ilya Sychev, Antonello Monti, and Frank H. P. Fitzek. **Haghgoo:2022:ESP** [HSMF22] `ENTIRETY` — sEmanNTic pRovisioning and govErning IoT devices in smart energy domain. *SoftwareX*, 18(??):??, June 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000589>.
- [HRC20] Andreas Henelius and Jari Torniainen. **Henelius:2018:MOS** [HT18] MI-

- DAS: Open-source framework for distributed online analysis of data streams. *SoftwareX*, 7(??):156–161, January/June 2018. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300578>.
- [HTB19] Mihály Héder, Szabolcs Tenczer, and Andrea Biancini. Collaboration between SAML federations and OpenStack clouds. *SoftwareX*, 9(??):44–48, January/June 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302905>.
- [HTV22] Niki Hrovatin, Aleksandar Tosić, and Jernej Vivic. PPWSim: Privacy preserving wireless sensor network simulator. *SoftwareX*, 18(??):??, June 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000516>.
- [HVB16] Thomas Mejer Hansen, Le Thanh Vu, and Torben Bach. MPLIB: a C++ class for sequential simulation of multiple-point statistical models. *SoftwareX*, 5(??):121–126, ????? 2016. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300164>.
- [IA17] M. Imgrund and A. Arth. **Imgrund:2017:RLV** *Rambrain* — a library for virtually extending physical memory. *SoftwareX*, 6(??):172–178, ????? 2017. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300274>.
- [IAW⁺15] Spencer J. Ingley, Mohammad Rahmani Asl, Chengde Wu, Rongfeng Cui, Mahmoud Gadelhak, Wen Li, Ji Zhang, Jon Simpson, Chelsea Hash, Trisha Butkowsky, Thor Veen, Jerald B. Johnson, Wei Yan, and Gil G. Rosenthal. **Ingley:2015:AOS** *anyFish 2.0*: an open-source software platform to generate and share animated fish models to study behavior. *SoftwareX*, 3–4(??):6–12, December 2015. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711015000114>.
- [IA17] **Heder:2019:CBS**
- [IAW⁺15] **Hrovatin:2022:PPP**
- [IAW⁺15] **Hansen:2016:MCC**

- [IDE⁺21] **Iyaloo:2021:APM**
 Diana P. Iyaloo, Pascal Degenne, Khoualdi Bin Elahee, Danny Lo Seen, Ambicadutt Bheecarry, and Annelise Tran. **ALBOMAURICE**: a predictive model for mapping *Aedes albopictus* mosquito populations in Mauritius. *SoftwareX*, 13 (??):Article 100638, January 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000243>. [iNKN⁺20]
- [IIS18] **Izquierdo:2018:EMC**
 Luis R. Izquierdo, Segismundo S. Izquierdo, and William H. Sandholm. **EvoDyn-3s**: a Mathematica computable document to analyze evolutionary dynamics in 3-strategy games. *SoftwareX*, 7(??):226–233, January/June 2018. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300864>. [IZBT21]
- [IKYY22] **Ishii:2022:BBO**
 Akimitsu Ishii, Ryunosuke Kamijyo, Akinori Yamanaka, and Akiyasu Yamamoto. **BOXVIA**: Bayesian optimization executable and visualizable application. *SoftwareX*, 18 (??):??, June 2022. CO-
- DEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000243>.
- Nomura:2020:RSR**
 Ken ichi Nomura, Rajiv K. Kalia, Aiichiro Nakano, Pankaj Rajak, and Priya Vashishta. **RXMD**: a scalable reactive molecular dynamics simulator for optimized time-to-solution. *SoftwareX*, 11 (??):Article 100389, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019300342>.
- Ibhadode:2021:ITO**
 Osezua Ibhadode, Zhidong Zhang, Ali Bonakdar, and Ehsan Toyserkani. **IbIPP** for topology optimization — an image-based initialization and post-processing code written in MATLAB. *SoftwareX*, 14 (??):??, June 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000467>.
- Jimenez:2020:SMT**
 Cristian Jimenez, Iván Amaya, and Rodrigo Correa. **SpinUpFlowDescriptor**: a MATLAB toolbox for

- ferrofluids materials under moderate and high amplitude and frequency of magnetic rotating fields in a spin-up geometry. *SoftwareX*, 12(??):Article 100567, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020302636>. [JHAMF19]
- [JAC21] Cristian Jiménez, Ivan Amaya, and Rodrigo Correa. SCSV_IPS: a software for the estimation of the *shear coefficient of spin viscosity* during the movement of a ferrofluid under the effect of an external rotating magnetic field. *SoftwareX*, 14(??):??, June 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000133>. [JM20]
- [JFJM22] Kresimir Jozić, Nikolina Frid, Alan Jović, and Zeljka Mihajlović. DICOM SIVR: a web architecture and platform for seamless DICOM image and volume rendering. *SoftwareX*, 18(??):??, June 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000498>. [JMT22]
- Johnston:2019:SMP**
Josiah Johnston, Rodrigo Henriquez-Auba, Benjamín Maluenda, and Matthias Fripp. Switch 2.0: a modern platform for planning high-renewable power systems. *SoftwareX*, 10(??):Article 100251, July/December 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301547>.
- Joksas:2020:BPT**
Dovydas Joksas and Adnan Mehonic. badcrossbar: a Python tool for computing and plotting currents and voltages in passive crossbar arrays. *SoftwareX*, 12(??):Article 100617, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303307>.
- Jordan:2022:BHE**
Matthias Jordan, Markus Millinger, and Daniela Thrän. Benopt-Heat: an economic optimization model to identify robust bioenergy technologies for the German heat transition. *SoftwareX*, 18(??):??, June 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000498>.
- Jimenez:2021:SSE**
- Jozic:2022:DSW**

- www.sciencedirect.com/science/article/pii/S2352711022000334.
- [JS19] **Johnson:2019:ACH** [Jur22] Gabriel Johnson and Sandra Spiroff. Automating the calculation of the Hilbert–Kunz multiplicity and F -signature. *SoftwareX*, 9(??):35–38, January/June 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301833>.
- [JSB20] **Janke:2020:PMP** [JZGW22] T. Janke, R. Schwarze, and K. Bauer. **Part2Track**: a MATLAB package for double frame and time resolved Particle Tracking Velocimetry. *SoftwareX*, 11(??):Article 100413, January/June 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019303395>.
- [Jun21] **Jung:2021:AGB** [KAK21] Sang-Kyu Jung. **AniLength**: GUI-based automatic worm length measurement software using image processing and deep neural network. *SoftwareX*, 15(??):??, July 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102100100X>.
- Jurkiewicz:2022:FMF** Piotr Jurkiewicz. **flow-models**: a framework for analysis and modeling of IP network flows. *SoftwareX*, 17(??):??, January 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001680>.
- Jivani:2022:GES** Devyani Jivani, Jaroslaw Zola, Baskar Ganapathysubramanian, and Olga Wodo. **GraSPI**: Extensible software for the graph-based quantification of morphology in organic electronics. *SoftwareX*, 17(??):??, January 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001898>.
- Kammer:2021:USB** David S. Kammer, Gabriele Albertini, and Chun-Yu Ke. **UGUCA**: a spectral-boundary-integral method for modeling fracture and friction. *SoftwareX*, 15(??):??, July 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000959>.

- [KAO⁺21] **Kurrant:2021:MIA**
 Douglas Kurrant, Nasim Abdollahi, Muhammad Omer, Pedram Mojabi, Elise Fear, and Joe LoVetri. *MWSegEval* — an image analysis toolbox for microwave breast images. *SoftwareX*, 15(??):??, July 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000674>.
- [KAR⁺19] **Kafieh:2019:AMM**
 Rahele Kafieh, Zahra Amini, Hossein Rabani, Bahareh Kaviani Baghbaderani, Bahareh Salafian, Fatemeh Mazaheri, and Marzieh Mokhtari. Automatic multifaceted Matlab package for analysis of ocular images (AMPAO). *SoftwareX*, 10(??):Article 100339, July/December 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019301852>.
- [Kar21] **Karakoc:2021:RRB**
 Alp Karakoç. *RegionTPMS* — region based triply periodic minimal surfaces (TPMS) for 3-D printed multiphase bone scaffolds with exact porosity values. *SoftwareX*, 16(??):??, December 2021. CO-
- [KBB19] **Kocher:2019:ESD**
 Uwe Köcher, Marius Paul Bruchhäuser, and Markus Bause. Efficient and scalable data structures and algorithms for goal-oriented adaptivity of space-time FEM codes. *SoftwareX*, 10(??):Article 100239, July/December 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302978>.
- [KDHG20] **Karathanasopoulos:2020:LDM**
 N. Karathanasopoulos, F. Dos Reis, P. Hadji-doukas, and J. F. Ganghofer. *LatticeMech*: a discrete mechanics code to compute the effective static properties of 2D metamaterial structures. *SoftwareX*, 11(??):Article 100446, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101930370X>.
- [KF17] **Khalil:2017:RRP**
 Salim Khalil and Mohamed Fakir. *RCrawler*: an R package for par-
- DEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001175>.

- allel web crawling and scraping. *SoftwareX*, 6(??):94–97, ????. 2017. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300110>.
- [KF22] **Kogon:2022:STM** Rémi Kogon and David Faux. 3TM: Software for the 3-Tau Model. *SoftwareX*, 17(??):??, January 2022. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000048>.
- [KH19a] **Krzemien:2020:JPF** W. Krzemien, A. Gajos, K. Kacprzak, K. Rakoczy, and G. Korcyl. J-PET Framework: Software platform for PET tomography data reconstruction and analysis. *SoftwareX*, 11(??):Article 100487, January/June 2020. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020300509>.
- [KH19b] **Kasproski:2019:EVE** Paweł Kasproski and Katarzyna Harezlak. ET-CAL — a versatile and extendable library for eye tracker calibration. *SoftwareX*, 8(??):71–76, ????. 2019. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300742>.
- [KHG21] **Kawan:2021:RRE** Christoph Kawan, Sigurdur Freyr Hafstein, and Peter Giesl. ResEntSG: Restoration entropy estimation for dynamical systems via Riemannian metric optimization. *SoftwareX*, 15(??):??, July 2021. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000741>.
- [KH19a] **Karathanasopoulos:2019:TOS** Nikolaos Karathanasopoulos and Panagiotis Hadjidoukas. TendonMech: an open source high performance code to compute the mechanical behavior of tendon fasci-
- [KHM⁺22] **Kayser:2022:OCP** Hendrik Kayser, Tobias Herzke, Paul Maanen, Max Zimmermann, Giso Grimm, and Volker Hohmann. Open community platform for hearing aid algorithm research: open

- Master Hearing Aid (open-MHA). *SoftwareX*, 17(??): ??, January 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001813>. [KKN+22]
- [Kis20] Vladimir V. Kisil. MoebInv: C ++ libraries for manipulations in non-Euclidean geometry. *SoftwareX*, 11(??):Article 100385, January/June 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302523>. [Kisil:2020:MCL]
- [KJW21] Artur Karczmarczyk, Jarosław Jankowski, and Jarosław Watróbski. OONIS — Object-Oriented Network Infection Simulator. *SoftwareX*, 14(?):??, June 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000200>. [Karczmarczyk:2021:OOO]
- [KKAUA21] Mohammad Bozlul Karim, Shigehiko Kanaya, and Md. Altaf-Ul-Amin. DPCLusSBO: an integrated software for clustering of simple and bipartite graphs. *SoftwareX*, 16(?):??, December 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102100114X>. [Kammouh:2022:MOS]
- Omar Kammouh, M. W. A. (Maurits) Kok, Maria Nogal, Ruud Binnekamp, and A. R. M. (Rogier) Wolfert. MitC: Open-source software for construction project control and delay mitigation. *SoftwareX*, 18(?):??, June 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000267>. [Kasprzhitskii:2021:XSC]
- Anton Kasprzhitskii, Georgy Lazorenko, and Victor Yavna. XMHFL: Software for calculating excited and ionized states of molecules by X-ray. *SoftwareX*, 13(?):Article 100647, January 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303605>. [Kasprzhitskii:2021:XSC]
- [KM21] Boris Krasnopolsky and Alexey Medvedev. XAMG: a library for solving linear systems with multiple right-hand side vectors. *SoftwareX*, 14(?):??, June 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102100114X>. [Krasnopolsky:2021:XLS]

- 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000406>.
- [KMIG20] Savas Konur, Laurentiu Mierla, Florentin Ipaté, and Marian Gheorghe. kP-Workbench: a software suit for membrane systems. *SoftwareX*, 11(??):Article 100407, January/June 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302584>.
- [KMK⁺21] Aravind Krishnamoorthy, Ankit Mishra, Deepak Kamal, Sungwook Hong, Kenichi Nomura, Subodh Tiwari, Aiichiro Nakano, Rajiv Kalia, Rampi Ramprasad, and Priya Vashishta. **EZFF**: Python library for multi-objective parameterization and uncertainty quantification of interatomic forcefields for molecular dynamics. *SoftwareX*, 13(??):Article 100663, January 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102100008X>.
- [KOC21] Donghoh Kim, Hee-Seok Oh, and Guebin Choi. EPT: an R package for ensemble patch transform. *SoftwareX*, 14(??):??, June 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000492>.
- [Kor21] Piotr Korcyl. Numerical package for solving the JIMWLK evolution equation in C++. *SoftwareX*, 16(??):??, December 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001473>.
- [Kos22] Zsolt T. Kosztyán. **MFPP**: Matrix-based flexible project planning. *SoftwareX*, 17(??):??, January 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000012>.
- [KP19] Vladimir Konkov and Roberto Peverati. QMC-SW: a simple workflow for quantum Monte Carlo calculations in chemistry. *SoftwareX*, 9(??):7–14, January/June 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/>

Konur:2020:KSS**Korcyl:2021:NPS****Krishnamoorthy:2021:EPL****Kosztyan:2022:MMB****Konkov:2019:QSS****Kim:2021:ERP**

- science/article/pii/S2352711018302218.
- [KP20] Kara M. Koetje and Margaret L. Palmsten. Coastal imaging station design toolbox. *SoftwareX*, 11(??):Article 100377, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019300354>.
- [KPC⁺20] A. Kostenko, W. J. Palenstijn, S. B. Coban, A. A. Hendriksen, R. van Liere, and K. J. Batenburg. Prototyping X-ray tomographic reconstruction pipelines with FleXbox. *SoftwareX*, 11(??):Article 100364, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019301669>.
- [KPM⁺22] Juha Kiviluoma, Fabiano Pallonetto, Manuel Marin, Pekka T. Savolainen, Antti Soininen, Per Vennström, Erkka Rinne, Jiangyi Huang, Iasonas Kouveliotis-Lysikatos, Maren Ihlemann, Erik Delarue, Ciara O'Dwyer, Terence O'Donnell, Mikael Amelin, Lennart Söder, and Joseph Dillon. Spine Toolbox: a flexible open-source workflow management system with scenario and data management. *SoftwareX*, 17(??):??, January 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001886>.
- [KPN⁺18] Daniil Kazantsev, Valery Pickalov, Srikanth Nagella, Edoardo Pasca, and Philip J. Withers. TomoPhantom, a software package to generate 2D–4D analytical phantoms for CT image reconstruction algorithm benchmarks. *SoftwareX*, 7(??):150–155, January/June 2018. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300335>.
- [KPOD16] Simon Kiesewetter, Rodney Polkinghorne, Bogdan Opanchuk, and Peter D. Drummond. xSPDE: Extensible software for stochastic equations. *SoftwareX*, 5(??):6–11, ??? 2016. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016000030>.

- [KPSM17] **Kintsakis:2017:HSD**
Athanasios M. Kintsakis, Fotis E. Psomopoulos, Andreas L. Symeonidis, and Pericles A. Mitkas. **Hermes**: Seamless delivery of containerized bioinformatics workflows in hybrid cloud (HTC) environments. *SoftwareX*, 6(??):209–216, 2017. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300304>.
- [KPTW19] **Kazantsev:2019:CRT**
Daniil Kazantsev, Edoardo Pasca, Martin J. Turner, and Philip J. Withers. CCPi-Regularisation toolkit for computed tomographic image reconstruction with proximal splitting algorithms. *SoftwareX*, 9(??):317–323, January/June 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301912>.
- [Krä20] **Kramer:2020:GSC**
Michel Krämer. **GeoRocket**: a scalable and cloud-based data store for big geospatial files. *SoftwareX*, 11(??):Article 100409, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001722>.
- [KRB⁺20] **Keller:2020:SSO**
Johannes Keller, Volker Rath, Johanna Bruckmann, Darius Mottaghy, Christoph Clauser, Andreas Wolf, Ralf Seidler, H. Martin Bücker, and Norbert Klitzsch. **SHEMAT-Suite**: an open-source code for simulating flow, heat and species transport in porous media. *SoftwareX*, 12(??):Article 100533, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020301357>.
- [Kri22] **Krivenko:2022:LPQ**
Igor Krivenko. **libcommute/pycommute**: a quantum operator algebra domain-specific language and exact diagonalization toolkit. *SoftwareX*, 17(??):??, January 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001722>.
- [KS21] **Karam:2021:BPS**
Mokbel Karam and Tony Saad. **BuckinghamPy**: a Python software for dimensional analysis. *SoftwareX*, 16(??):??, De-

- ember 2021. CODEN
???? ISSN 2352-
7110. URL [http://
www.sciencedirect.com/
science/article/pii/
S2352711021001291](http://www.sciencedirect.com/science/article/pii/S2352711021001291).
- [KSF18] **Kraljic:2018:GCA**
K. Kraljić, L. Strüningmann,
E. Fimmel, and M. Gum-
bel. Genetic Code Anal-
ysis Toolkit: a novel
tool to explore the cod-
ing properties of the ge-
netic code and DNA se-
quences. *SoftwareX*, 7
(?):12–14, January/June
2018. CODEN ???? ISSN
2352-7110. URL [http://
www.sciencedirect.com/
science/article/pii/
S2352711017300572](http://www.sciencedirect.com/science/article/pii/S2352711017300572).
- [KSP19] **Krishnamani:2019:MCE**
Venkatramanan Krishna-
mani, Mark A. Stammes,
and Robert C. Piper. MALTA: a calculator for
estimating the coverage
with shRNA, CRISPR,
and cDNA libraries. *Soft-
wareX*, 9(?):154–160, Jan-
uary/June 2019. CO-
DEN ???? ISSN 2352-
7110. URL [http://
www.sciencedirect.com/
science/article/pii/
S2352711018301304](http://www.sciencedirect.com/science/article/pii/S2352711018301304).
- [KSS20] **Karam:2020:PPS**
Mokbel Karam, James C.
Sutherland, and Tony
Saad. PyModPDE: a
Python software for mod-
ified equation analysis.
SoftwareX, 12(?):Article
100541, July/December
2020. CODEN ???? ISSN
2352-7110. URL [http://
www.sciencedirect.com/
science/article/pii/
S2352711020300224](http://www.sciencedirect.com/science/article/pii/S2352711020300224).
- [Kul20] **Kulikova:2020:STI**
Sofya Kulikova. StimVis:
a tool for interactive com-
putation of the TMS-
induced effects over trac-
tography data. *SoftwareX*,
12(?):Article 100594, July/
December 2020. CO-
DEN ???? ISSN 2352-
7110. URL [http://
www.sciencedirect.com/
science/article/pii/
S2352711020303071](http://www.sciencedirect.com/science/article/pii/S2352711020303071).
- [Kur21] **Kursa:2021:PHP**
Miron B. Kursa. Praznik:
High performance information-
based feature selection.
SoftwareX, 16(?):??, De-
cember 2021. CODEN
???? ISSN 2352-
7110. URL [http://
www.sciencedirect.com/
science/article/pii/
S2352711021001138](http://www.sciencedirect.com/science/article/pii/S2352711021001138).
- [Kwa19] **Kwary:2019:CPI**
Deny A. Kwary. A cor-
pus platform of Indone-
sian academic language.
SoftwareX, 9(?):102–106,
January/June 2019. CO-
DEN ???? ISSN 2352-
7110. URL [http://
www.sciencedirect.com/](http://www.sciencedirect.com/)

- science/article/pii/S2352711018302413.
- [KZ18] **Karaduta:2018:SNT**
 Oleg Karaduta and Lutfou Zaman. Shk-9: a new tool in approach of glycoprotein annotation. *SoftwareX*, 7(??):302–303, January/June 2018. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101830178X>. [LBL+21]
- [LBG20] **Lins:2020:XXR**
 Sergio A. Barcellos Lins, Boris Bremmers, and Giovanni E. Gigante. XIS-MuS — X-ray fluorescence imaging software for multiple samples. *SoftwareX*, 12(??):Article 100621, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303344>. [LBT+21]
- [LBH+20] **Linsel:2020:GKD**
 Adrian Linsel, Kristian Bär, Joshua Haas, Jens Hornung, Matthias D. Greb, and Matthias Hinderer. GeoReVi: a knowledge discovery and data management tool for sub-surface characterization. *SoftwareX*, 12(??):Article 100597, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303101>. [Luciano:2021:ORP]
- Luciano:2021:ORP**
 Giorgio Luciano, Serena Berretta, Kristian Hovde Liland, Gavin J. Donley, and Simon A. Rogers. oreo: an R package for large amplitude oscillatory analysis. *SoftwareX*, 15(??):??, July 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102100087X>. [Lara:2021:PJP]
- Lara:2021:PJP**
 José Daniel Lara, Clayton Barrows, Daniel Thom, Dheepak Krishnamurthy, and Duncan Callaway. PowerSystems.jl — a power system data management package for large scale modeling. *SoftwareX*, 15(??):??, July 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000765>. [Lelievre:2018:FSM]
- Lelievre:2018:FSM**
 Peter G. Lelièvre, Angela E. Carter-McAuslan, Michael W. Dunham, Drew J. Jones, Mariella Nalepa, Chelsea L. Squires, Cassandra J. Tycholiz, Marc A. Vallée, and Colin G. Farquharson.

- FacetModeller: Software for manual creation, manipulation and analysis of 3D surface-based models. *SoftwareX*, 7(??):41–46, January/June 2018. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300165>.
- [LDAL20] Rebecca Loraamm, Joni Downs, James Anderson, and David S. Lamb. PyST-Prism: Tools for voxel-based space-time prisms. *SoftwareX*, 12(??):Article 100499, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019303309>.
- [LDM20] Guilherme Lindner, Yann Devaux, and Sanja Miskovic. **VortexFitting**: a post-processing fluid mechanics tool for vortex identification. *SoftwareX*, 12(??):Article 100604, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303174>.
- [LEFSO20] Yoann Ladroit, Pablo C. Escobar-Flores, Alexandre C. G. Schimel, and Richard L. O’Driscoll. **ESP3**: an open-source software for the quantitative processing of hydroacoustic data. *SoftwareX*, 12(??):Article 100581, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020302946>.
- [LF15] Yan-Xia Lin and Mark James Fielding. **MaskDensity14**: an R package for the density approximant of a univariate based on noise multiplied data. *SoftwareX*, 3–4(??):32–36, December 2015. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711015000163>.
- [LFR⁺20] Jose Manuel López, Daniel Feldmann, Markus Rampp, Alberto Vela-Martín, Liang Shi, and Marc Avila. **nsCouette** — a high-performance code for direct numerical simulations of turbulent Taylor–Couette flow. *SoftwareX*, 11(??):Article 100395, January/June 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/>

Loraamm:2020:PTV**Lin:2015:MRP****Lindner:2020:VPP****Lopez:2020:NHP****Ladroit:2020:EOS**

- science/article/pii/S2352711019302298.
- [LFT21] Andrew Lyden, Graeme Flett, and Paul G. Tuohy. PyLESA: a Python modelling tool for planning-level Local, integrated, and smart Energy Systems Analysis. *SoftwareX*, 14(??):??, June 2021. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000443>.
- [LHCK18] Deokjae Lee, S. Hwang, S. Choi, and B. Kahng. Decremental dynamic algorithm to trace mutually connected clusters. *SoftwareX*, 7(??):273–280, January/June 2018. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301717>.
- [LIZ⁺20] Michael G. Leeming, Andrew P. Isaac, Luke Zappia, Richard A. J. O’Hair, William A. Donald, and Bernard J. Pope. HiTIME: an efficient model-selection approach for the detection of unknown drug metabolites in LC-MS data. *SoftwareX*, 12(??):Article 100559, July/December 2020. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019303796>.
- [LJML20] Jakob Lass, Henrik Jacobsen, Daniel G. Mazono, and Kim Lefmann. MJOLNIR: a software package for multiplexing neutron spectrometers. *SoftwareX*, 12(??):Article 100600, July/December 2020. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303137>.
- [LK21] James Le Houx and Denis Kramer. OpenImpala: OPEN source IMage based PARallisable Linear Algebra solver. *SoftwareX*, 15(??):??, July 2021. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000662>.
- [LKSS20] Emma Lejeune, Alex Khang, Jacob Sansom, and Michael S. Sacks. FM-Track: a fiducial marker tracking software for studying cell mechanics in a three-dimensional environment. *SoftwareX*, 11(??):Article 100417, Jan-

- uary/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019303474>.
- [LLK⁺20] Julien Loiseau, Hyun Lim, Mark Alexander Kaltenborn, Oleg Korobkin, Christopher M. Mauney, Irina Sagert, Wesley P. Even, and Benjamin K. Bergen. FleC-SPH: the next generation FleCSible parallel computational infrastructure for smoothed particle hydrodynamics. *SoftwareX*, 12(??):Article 100602, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303150>.
- [LLM⁺20] G. Luciano, K. H. Liland, M. Marsotto, R. Svoboda, and S. Berretta. `takos`: an R package for thermal analysis calculations. *SoftwareX*, 12(??):Article 100637, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303502>.
- [LMB⁺19] Pierre Lacroix, Frédéric Moser, Antonio Benvenuti, Thomas Piller, David Jensen, Inga Petersen, Marion Planque, and Nicolas Ray. MapX: an open geospatial platform to manage, analyze and visualize data on natural resources and the environment. *SoftwareX*, 9(??):77–84, January/June 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300177>.
- [LMM22] Tristan Langer, Richard Meyes, and Tobias Meisen. Gideon Replay: a library to replay interactions in web-applications. *SoftwareX*, 17(??):??, January 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001862>.
- [LMN18] Georgios Leontaris and Oswaldo Morales-Nápoles. ANDURIL — a MATLAB toolbox for ANalysis and Decisions with UnceRtaInty: Learning from expert judgments. *SoftwareX*, 7(??):313–317, January/June 2018. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/>

- science/article/pii/S2352711018300608.
- [LMN⁺20] **Lucchese:2020:REI**
 Claudio Lucchese, Cristina Ioana Muntean, Franco Maria Nardini, Raffaele Perego, and Salvatore Trani. **RankEval**: Evaluation and investigation of ranking models. *SoftwareX*, 12(??):Article 100614, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303277>.
- [LMS⁺16] **Linner:2016:LBS**
 Elisabeth Schold Linnér, Max Morén, Karl-Oskar Smed, Johan Nysjö, and Robin Strand. **LatticeLibrary** and **BccFccRaycaster**: Software for processing and viewing 3D data on optimal sampling lattices. *SoftwareX*, 5(??):12–15, ???? 2016. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016000042>.
- [LNS15] **Loizides:2015:IVP**
 C. Loizides, J. Nagle, and P. Steinberg. Improved version of the PHOBOS Glauber Monte Carlo. *SoftwareX*, 1–2(??):9–12, September 2015. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711015000047>.
- [LRPD18] **Lonare:2021:ERP**
 Gunratan Lonare, Bharat Patil, and Nilesh Raut. **edgar**: an R package for the U.S. SEC EDGAR retrieval and parsing of corporate filings. *SoftwareX*, 16(??):??, December 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001369>.
- [LRPD18] **Laura:2018:APL**
 Jason Laura, Kelvin Rodriguez, Adam C. Paquette, and Evin Dunn. **AutoCNet**: a Python library for sparse multi-image correspondence identification for planetary data. *SoftwareX*, 7(??):37–40, January/June 2018. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101830013X>.
- [LS16] **Liland:2016:FRP**
 Kristian Hovde Liland and Lars Snipen. **fixedTimeEvents**: an R package for the distribution of distances between discrete events in fixed time. *SoftwareX*, 5(??):216–226, ???? 2016. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016000042>.

- www.sciencedirect.com/science/article/pii/S2352711016300310.
Li:2020:OOS
- [LSB⁺20] Ting Li, Lawrence V. Stanislawski, Tyler Brockmeyer, Shaowen Wang, and Ethan Shavers. **OpenCLC**: an open-source software tool for similarity assessment of linear hydrographic features. *SoftwareX*, 11(??):Article 100401, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302747>.
Leles:2019:NAS
- [LSMG19] M. C. R. Leles, J. P. H. Sansão, L. A. Mozelli, and H. N. Guimarães. A new algorithm in singular spectrum analysis framework: The Overlap-SSA (ov-SSA). *SoftwareX*, 8(??):26–32, ???? 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300596>.
Lehtola:2018:RDL
- [LSOM18] Susi Lehtola, Conrad Steigemann, Micael J. T. Oliveira, and Miguel A. L. Marques. Recent developments in `libxc` — a comprehensive library of functionals for density functional theory. *SoftwareX*, 7(??):1–5, January/June 2018. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300602>.
Liu:2016:TTS
- Chenhui Liu, Anuj Sharma, Edward Smaglik, and Sirisha Kothuri. **TraSER**: a traffic signal event-based recorder. *SoftwareX*, 5(??):150–155, ???? 2016. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300218>.
Lee:2021:ATS
- [LVK21] Kong Aik Lee, Ville Vestman, and Tomi Kinnunen. **ASVtorch** toolkit: Speaker verification with deep neural networks. *SoftwareX*, 14(??):??, June 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102100042X>.
Liu:2018:PPB
- [LYX⁺18] Benyuan Liu, Bin Yang, Canhua Xu, Junying Xia, Meng Dai, Zhenyu Ji, Fusheng You, Xiuzhen Dong, Xuetao Shi, and Feng Fu. **pyEIT**: a Python based framework for Electrical Impedance Tomography. *SoftwareX*, 7(?):

304–308, January/June 2018. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301407>.

Laarne:2021:ENL

[LZN21]

Petri Laarne, Martha A. Zaidan, and Tuomo Nieminen. *ennemi*: Non-linear correlation detection with mutual information. *SoftwareX*, 14(??):??, June 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000315>.

Montoya-Araque:2022:OSA

[MAAOZMAM22]

Exneyder A. Montoya-Araque, A. J. Aparicio-Ortube, David G. Zapata-Medina, and Luis G. Arboleda-Monsalve. An open-source application software to determine the preconsolidation pressure of soils in incremental loading oedometer testing: *pySigmaP*. *SoftwareX*, 17(??):??, January 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000097>.

Macleod:2021:GPP

[MAC⁺21]

Duncan M. Macleod, Joseph S. Areeda, Scott B. Coughlin, Thomas J. Massinger, and Alexan-

der L. Urban. *GWpy*: a Python package for gravitational-wave astrophysics. *SoftwareX*, 13(??):Article 100657, January 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000029>.

Montoya-Araque:2018:PAS

[MASB18]

Exneyder A. Montoya-Araque and Ludger O. Suarez-Burgoa. *pyBIMstab*: Application software for 2D slope stability analysis of block-in-matrix and homogeneous materials. *SoftwareX*, 7(??):383–387, January/June 2018. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301638>.

Milton:2021:OSC

[MB21]

Matthew Milton and Andrea Benigni. *ORTiS* solver codegen: C++ code generation tools for high performance, FPGA-based, real-time simulation of power electronic systems. *SoftwareX*, 13(??):Article 100660, January 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000054>.

- [MBC22] **Marelli:2022:SFC**
 Davide Marelli, Simone Bianco, and Gianluigi Ciocca. **SfM Flow**: a comprehensive toolset for the evaluation of 3D reconstruction pipelines. *SoftwareX*, 17(??):??, January 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001692>.
- [MBDS20] **Medvet:2020:VSS**
 Eric Medvet, Alberto Bartoli, Andrea De Lorenzo, and Stefano Seriani. **2D-VSR-Sim**: a simulation tool for the optimization of 2-D voxel-based soft robots. *SoftwareX*, 12(??):Article 100573, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020302867>.
- [MBF20] **Mendes:2020:PIG**
 Luís Mendes, Alexandre Bernardino, and Rui M. L. Ferreira. **piv-image-generator**: an image generating software package for planar PIV and optical flow benchmarking. *SoftwareX*, 12(??):Article 100537, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020300339>.
- [MBI20] **Muraru:2020:GTB**
 Sebastian Muraru, Jorge S. Burns, and Mariana Ionita. **GOPY**: a tool for building 2D graphene-based computational models. *SoftwareX*, 12(??):Article 100586, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020302995>.
- [MBU+19] **Michelon:2019:SAM**
 Gabriela Karoline Michelon, Claudio Leones Bazzi, Shrinivasa Upadhyaya, Eduardo Godoy de Souza, Paulo Sérgio Graziano Magalhães, Ligia Francielle Borges, Kelyn Schenatto, Ricardo Sobjak, Alan Gavioli, and Nelson Miguel Betzek. Software AgDataBox-Map to precision agriculture management. *SoftwareX*, 10(??):Article 100320, July/December 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019300275>.
- [MBY22] **Muravyev:2022:TOS**
 Kirill Muravyev, Andrey Bokovoy, and Konstantin Yakovlev. **tx2_fcnn_node**: an open-source ROS com-

- patible tool for monocular depth reconstruction. *SoftwareX*, 17(??):??, January 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001837>.
- [MC18] Garrett W. Melenka and Jason P. Carey. Braid CAM: Braided composite analytical model. *SoftwareX*, 7(??):23–27, January/June 2018. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300705>.
- [MCC20] Bruno Machado de Campos, Raphael Fernandes Casseb, and Fernando Cendes. UF²C — user-friendly functional connectivity: a neuroimaging toolbox for fMRI processing and analyses. *SoftwareX*, 11(??):Article 100434, January/June 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019301372>.
- [MCGK19] R. D. Martin, Q. Cai, T. Garrow, and C. Kapahi. QExpy: a Python-3 module to support undergraduate physics laboratories. *SoftwareX*, 10(??):Article 100273, July/December 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101930144X>.
- [MD19] Vahid Morovati and Roozbeh Dargazany. *NET v1.0*: a framework to simulate permanent damage in elastomers under quasi-static deformations. *SoftwareX*, 10(??):Article 100229, July/December 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300359>.
- [MD21] Oliver Melchert and Ayhan Demircan. pyGLE: a Python toolkit for solving the generalized Lugiato-Lefever equation. *SoftwareX*, 15(??):??, July 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102100073X>.
- [MDG22] Haritz Medina, Oscar Díaz, and Xabier Garmendia. WACline: a software product line to harness heterogeneity in Web annotation. *Soft-*

- wareX*, 18(??):??, June 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000619>.
- McCaskey:2018:LHI**
- [MDL⁺18] A. J. McCaskey, E. F. Dumitrescu, D. Liakh, M. Chen, W. Feng, and T. S. Humble. A language and hardware independent approach to quantum-classical computing. *SoftwareX*, 7(??): 245–254, January/June 2018. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300700>.
- Moorthy:2017:CSP**
- [ME17] Arun S. Moorthy and Hermann J. Eberl. compuGUT: an in silico platform for simulating intestinal fermentation. *SoftwareX*, 6(??):231–236, ???? 2017. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300201>.
- Martinez-Franco:2020:PDS**
- [MFCSÁM20] Juan Martínez-Franco, Edgar Céspedes-Sabogal, and David Álvarez-Martínez. PackageCargo: a decision support tool for the container loading problem with stability. *SoftwareX*, 12(??):Article 100601, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303149>.
- Mariggio:2020:ELI**
- [MFCV20] Gregorio Mariggio, Sebastiano Fichera, Mauro Corrado, and Giulio Ventura. EQP — a 2D/3D library for integration of polynomials times step function. *SoftwareX*, 12(??):Article 100636, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303496>.
- Meng:2021:MPP**
- [MFQ⁺21] Siqin Meng, Zhendong Fu, Jianfei Qin, Xiaobai Ma, Yuqing Li, Lijie Hao, Yuntao Liu, Kai Sun, and Dongfeng Chen. magcoilcalc: a Python package for modeling and optimization of axisymmetric magnet coils generating uniform magnetic field for noble gas spin-polarizers. *SoftwareX*, 16(??):??, December 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001060>.

- [MG22] **Mariotti:2022:WVB** Gianfranco Mariotti and Roberto Giorgi. **WebRISC-V**: a 32/64-bit RISC-V pipeline simulation tool. *SoftwareX*, 18(??):??, June 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102200070X>. [MIHS21]
- [MGK⁺20] **Meijer:2020:LTD** C. Meijer, M. W. Grootes, Z. Koma, Y. Dzigan, R. Gonçalves, B. Andela, G. van den Oord, E. Rangelova, N. Renaud, and W. D. Kissling. **Laserchicken** — a tool for distributed feature calculation from massive LiDAR point cloud datasets. *SoftwareX*, 12(??):Article 100626, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303393>. [MK16]
- [Mic21] **Michail:2021:JOS** Dimitrios Michail. **JHeaps**: an open-source library of priority queues. *SoftwareX*, 16(??):??, December 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001370>. [MKB⁺18]
- Montoya:2021:TTD** Omar Montoya, Octavio Icasio-Hernández, and Joaquín Salas. **TreeTool**: a tool for detecting trees and estimating their DBH using forest point clouds. *SoftwareX*, 16(??):??, December 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001485>.
- Mulansky:2016:PPP** Mario Mulansky and Thomas Kreuz. **PySpike** — a Python library for analyzing spike train synchrony. *SoftwareX*, 5(??):178–182, ???? 2016. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300255>.
- Mann:2018:MMI** Martin Mann, Hans-Peter Kahle, Matthias Beck, Bela Johannes Bender, Heinrich Spiecker, and Rolf Backofen. **MICA**: Multiple interval-based curve alignment. *SoftwareX*, 7(??):53–58, January/June 2018. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300190>.

- [MKR⁺21] **Miikki:2021:OSC** [ML20] Kim Miikki, Alp Karakoç, Mahdi Rafiee, Duck Weon Lee, Jaana Vapaavuori, Jennifer Tersteegen, Laura Lemetti, and Jouni Palatakari. An open-source camera system for experimental measurements. *SoftwareX*, 14(??):??, June 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000339>.
- [MKU22] **Manurung:2022:YRD** [MLD22] Auralius Manurung, Lisa Kristiana, and Nur Uddin. YADPF: a reusable deterministic dynamic programming implementation in MATLAB. *SoftwareX*, 17(??):??, January 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000152>.
- [ML18] **Mukha:2018:EPP** [MLTF⁺18] Timofey Mukha and Mattias Liefvendahl. Eddylicious: a Python package for turbulent inflow generation. *SoftwareX*, 7(??): 112–114, January/June 2018. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300487>.
- Martin:2020:OSM** Andrea Quero Martín and Andrés Díaz Lantada. An open source medical passport based on an Android mobile application and near-field communication. *SoftwareX*, 11(??):Article 100492, January/June 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302407>.
- Mara:2022:EFN** Alexandru Mara, Jefrey Lijffijt, and Tijl De Bie. EvalNE: a framework for network embedding evaluation. *SoftwareX*, 17(??): ??, January 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000139>.
- Masek:2018:SMT** Martin Masek, Chiou Peng Lam, Cameron Tranthim-Fryer, Bas Jansen, and Kevin Baptist. Sleep monitor: a tool for monitoring and categorical scoring of lying position using 3D camera data. *SoftwareX*, 7(??):341–346, January/June 2018. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/>

- science/article/pii/S2352711018301079.
- [MM16] **Milani:2016:GVI**
G. Milani and F. Milani. GURU v2.0: an interactive Graphical User interface to fit rheometer curves in Han's model for rubber vulcanization. *SoftwareX*, 5(??):62–66, ??? 2016. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300061>.
- [MMCKK21] **McLean:2021:OOS**
Thomas McLean, Christian Málaga-Chuquitaype, Nicos Kalapodis, and Georgios Kampas. **OpenArch**: an open-source package for determining the minimum-thickness of arches under seismic loads. *SoftwareX*, 15(??):??, July 2021. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000686>.
- [MMG19] **Mieli:2019:NTP**
Davide Micieli, Triestino Minniti, and Giuseppe Gorini. NeuTomPy toolbox, a Python package for tomographic data processing and reconstruction. *SoftwareX*, 9(??):260–264, January/June 2019. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101930113X>.
- [MMH19] **Moore:2019:EHO**
Jacob L. Moore, Nathaniel R. Morgan, and Mark F. Horstemeyer. **ELEMENTS**: a high-order finite element library in C++. *SoftwareX*, 10(??):Article 100257, July/December 2019. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101930113X>.
- [MML20] **Morra:2020:SCG**
Lia Morra, Francesco Manigrasso, and Fabrizio Lamberti. SoccerER: Computer graphics meets sports analytics for soccer event recognition. *SoftwareX*, 12(??):Article 100612, July/December 2020. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303253>.
- [MMS20] **Maniscalco:2020:AAS**
Umberto Maniscalco, Antonio Messina, and Pietro Storniolo. ASS4HR — an artificial somatosensory system for a humanoid robot. The ROS package. *SoftwareX*, 11(??):Article 100501, January/June 2020. CODEN ??? ISSN 2352-

7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019300536>.
- [MMS21] **Miretti:2021:DDD** [MP18]
 Federico Miretti, Daniela Misul, and Ezio Spessa. **DynaProg**: Deterministic Dynamic Programming solver for finite horizon multi-stage decision problems. *SoftwareX*, 14(??):??, June 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000352>.
- [Mos20] **Moshiri:2020:TMS** [MP20]
 N. Moshiri. **TreeSwift**: a massively scalable Python tree package. *SoftwareX*, 11(??):Article 100436, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019300767>.
- [MP17] **Marcon:2017:PZO**
 Yann Marcon and Aun Purser. **PAPARA(ZZ)I**: an open-source software interface for annotating photographs of the deep-sea. *SoftwareX*, 6(??):63–68, ???? 2017. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300067>.
- Montanari:2018:OCC**
 Mattia Montanari and Nik Petrinic. **OpenGJK** for C, C# and Matlab: Reliable solutions to distance queries between convex bodies in three-dimensional space. *SoftwareX*, 7(??):352–355, January/June 2018. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300591>.
- Medeiros:2020:MSP**
 Marcelo S. Medeiros and Evandro Parente. **MicroFEA** 1.0 — a software package for Finite Element Analysis of functionally graded materials. *SoftwareX*, 11(??):Article 100481, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302481>.
- Mathur:2019:NSP** [MPAK19]
 Parul Mathur, Mauricio D. Perez, Robin Augustine, and Dhanesh G. Kurup. **NDECOAX**: a software package for non-destructive evaluation of stratified dielectric media. *SoftwareX*, 9(??):187–192, January/June 2019.

CODEN ???? ISSN
2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302280>.

Melchor-Placencia:2021:OPC

[MPMC21]

Carlos Melchor-Placencia and Christian Málaga-Chuquitaype. `OpenMoist`: a Python code for transient moisture transfer analysis. *SoftwareX*, 15(??):??, July 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000571>.

Melchert:2019:OAS

[MRMD19]

O. Melchert, B. Roth, U. Morgner, and A. Demircan. `OptFROG` — Analytic signal spectrograms with optimized time-frequency resolution. *SoftwareX*, 10(??):Article 100275, July/December 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019301323>.

Mateo:2019:STF

[MT19]

Carlos Mateo and Juan Antonio Talavera. Short-Time Fourier Transform with the Window Size Fixed in the Frequency Domain (STFT-FD): Implementation. *SoftwareX*, 8(??):5–8, ???? 2019.

CODEN ???? ISSN
2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300638>.

Meng:2018:MPP

[MTPHH18]

Siqin Meng, Rasmus Toft-Petersen, Lijie Hao, and Klaus Habicht. `multiflexlib`: a Python package for data reduction and visualization for the cold-neutron multi energy wide angle analyzer MultiFLEXX. *SoftwareX*, 7(??):309–312, January/June 2018. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301055>.

McCubbine:2018:GPC

[MTS⁺18]

Jack McCubbine, Fabio Caratori Tontini, Vaughan Stagpoole, Euan Smith, and Grant O’Brien. `Gsolve`: a Python computer program with a graphical user interface to transform relative gravity survey measurements to absolute gravity values and gravity anomalies. *SoftwareX*, 7(??):129–137, January/June 2018. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300566>.

- [MVBF19] **Mentaschi:2019:AAE**
 Lorenzo Mentaschi, Michalis Vousdoukas, Giovanni Besio, and Luc Feyen. alpha-BetaLab: Automatic estimation of subscale transparencies for the Unresolved Obstacle's Source Term in ocean wave modelling. *SoftwareX*, 9(?): 1–6, January/June 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301456>.
- [MVRM19] **Mirz:2019:DDP**
 Markus Mirz, Steffen Vogel, Georg Reinke, and Antonello Monti. DPsim — a dynamic phasor real-time simulator for power systems. *SoftwareX*, 10(?):Article 100253, July/December 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302760>.
- [MWJ15] **Merzky:2015:SSA**
 Andre Merzky, Ole Weidner, and Shantenu Jha. SAGA: a standardized access layer to heterogeneous Distributed Computing Infrastructure. *SoftwareX*, 1–2(?):1–2, September 2015. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711015000023>.
- [MWM20] **Mauro:2020:KTC**
 Yihong Z. Mauro, Collin J. Wilkinson, and John C. Mauro. KineticPy: a tool to calculate long-time kinetics in energy landscapes with broken ergodicity. *SoftwareX*, 11(?):Article 100393, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019303516>.
- [MZSH21] **Mertel:2021:HGA**
 Adam Mertel, David Zbiral, Zdenek Stachon, and Hana Horínková. Historical geocoding assistant. *SoftwareX*, 14(?): ??, June 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000273>.
- [Nai17] **Naito:2017:BBT**
 O. Naito. A browser-based tool for conversion between Fortran NAMELIST and XML/HTML. *SoftwareX*, 6(?):19–24, ??? 2017. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101630036X>.

- [Nas20] **Nasser:2020:PMT**
 Mohamed M. S. Nasser. PlgCirMap: a MATLAB toolbox for computing conformal mappings from polygonal multiply connected domains onto circular domains. *SoftwareX*, 11(??):Article 100464, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019303073>. [NBS⁺21]
- [NBCC19] **Nobre:2019:NMA**
 Ricardo Nobre, João Bispo, Tiago Carvalho, and João M. P. Cardoso. Nonio — modular automatic compiler phase selection and ordering specialization framework for modern compilers. *SoftwareX*, 10(??):Article 100238, July/December 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301614>.
- [NBM⁺19] **Nejahi:2019:GGO** [Nev17]
 Younes Nejahi, Mohammad Soroush Barhaghi, Jason Mick, Brock Jackman, Kamel Rushaidat, Yuanzhe Li, Loren Schwiebert, and Jeffrey Potoff. GOMC: GPU Optimized Monte Carlo for the simulation of phase equilibria and physical properties of complex fluids. *SoftwareX*, 9(??):20–27, January/June 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301171>. See update [NBS⁺21].
- Nejahi:2021:UGG**
 Younes Nejahi, Mohammad Soroush Barhaghi, Gregory Schwing, Loren Schwiebert, and Jeffrey Potoff. Update 2.70 to “GOMC: GPU Optimized Monte Carlo for the simulation of phase equilibria and physical properties of complex fluids”. *SoftwareX*, 13(??):Article 100627, January 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102030340X>. See [NBM⁺19].
- Neverov:2017:XGA**
 V. S. Neverov. XaNSoNS: GPU-accelerated simulator of diffraction patterns of nanoparticles. *SoftwareX*, 6(??):54–62, ???? 2017. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300043>.

- [NFASC21] **Noletto-Filho:2021:NFO**
 Eurico Mesquita Noletto-Filho, Ronaldo Angelini, Jeroen Steenbeek, and Adriana Rosa Carvalho. New, flexible and open-source fisheries self-reporting app: the Shiny4SelfReport. *SoftwareX*, 16(??):??, December 2021. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001254>.
- [NGK+20] **Neic:2020:AIB**
 Aurel Neic, Matthias A. F. Gsell, Elias Karabelas, Anton J. Prassl, and Ger- [NK18] not Plank. Automating image-based mesh generation and manipulation tasks in cardiac modeling workflows using Mesh-tool. *SoftwareX*, 11(??):Article 100454, January/June 2020. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101930295X>.
- [Nis20] **Nisius:2020:BCC**
 Richard Nisius. BLUE: Combining correlated estimates of physics observables within ROOT using the Best Linear Unbiased Estimate method. *SoftwareX*, 11(??):Article 100468, January/June 2020. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020300169>.
- Nikezic:2016:CPP**
 D. Nikezic, M. Ivanovic, and K. N. Yu. A computer program TRACK_P for studying proton tracks in PADC detectors. *SoftwareX*, 5(??):67–73, ????. 2016. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300073>.
- Nguyen:2018:AGB**
 Duc T. Nguyen and Blair Kaneshiro. AudExpCreator: a GUI-based Matlab tool for designing and creating auditory experiments with the Psychophys's Toolbox. *SoftwareX*, 7(??):328–334, January/June 2018. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301985>.
- [NK20] **Nebiu:2020:SIF**
 Dhurata Nebiu and Hiqmet Kamberaj. Symbolic Information Flow Measurement (SIFM): a software for measurement of information flow using symbolic analysis. *SoftwareX*, 11(??):Article 100470, January/June 2020. CO-

- DEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101930305X>.
- Narajewski:2021:TRP**
- [NKHZ21] Michał Narajewski, Jens Kley-Holsteg, and Florian Ziel. `tsrobprep` — an R package for robust preprocessing of time series data. *SoftwareX*, 16(??):??, December 2021. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001084>.
- Ninni:2020:MSM**
- [NM20] Davide Ninni and Miguel A. Mendez. `MODULO`: a software for Multiscale Proper Orthogonal Decomposition of data. *SoftwareX*, 12(??):Article 100622, July/December 2020. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303356>.
- Navarrete:2018:BWB**
- [NMLM18] Claudio Bustos Navarrete, María Gabriela Morales Malverde, Pedro Salcedo Lagos, and Alejandro Díaz Mujica. `Buhos`: a web-based systematic literature review management software. *SoftwareX*, 7(??):360–372, January/June 2018. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300293>.
- Nar:2019:RCF**
- [NOÖÇ19] Fatih Nar, Osman Erman Okman, Atilla Özgür, and Müjdat Çetin. `RmSAT-CFAR`: Fast and accurate target detection in radar images. *SoftwareX*, 8(??):39–42, ????. 2019. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101730047X>.
- Nabil:2016:PIF**
- [NR16] Mahdi Nabil and Alexander S. Rattner. `interThermalPhaseChangeFoam` — a framework for two-phase flow simulations with thermally driven phase change. *SoftwareX*, 5(??):211–215, ????. 2016. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300309>.
- Nordstrom:2016:GCA**
- [NSLD16] Johan Nordström, Johan Schött, Inka L. M. Lochter, and Igor Di Marco. A GPU code for analytic continuation through a sampling method. *SoftwareX*, 5(??):171–177, ????. 2016. CODEN ????. ISSN

- 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300243>.
- Nieto:2021:BAA**
- [NSO21] Marcos Nieto, Orti Senderos, and Oihana Otaegui. Boosting AI applications: Labeling format for complex datasets. *SoftwareX*, 13(??):Article 100653, January 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303666>.
- Nagaraju:2019:PSR**
- [NSS⁺19] Vidhyashree Nagaraju, Venkateswaran Shekar, Joshua Steakelum, Melanie Luperon, Ying Shi, and Lance Fiondella. Practical software reliability engineering with the Software Failure and Reliability Assessment Tool (SFRAT). *SoftwareX*, 10(??):Article 100357, July/December 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302134>.
- Olufsen:2020:OST**
- [OAF20] Sindre Nordmark Olufsen, Marius Endre Andersen, and Egil Fagerholt. μ DIC: an open-source toolkit for digital image correlation. *SoftwareX*, 11(??):Article 100466, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019301967>.
- Orozco-Arroyave:2019:N**
- [OAVCVB⁺19] Juan Rafael Orozco-Arroyave, Juan Camilo Vásquez-Correa, Jesús Francisco Vargas-Bonilla, R. Arora, N. Dehak, P. S. Nidavadolu, H. Christensen, F. Rudzicz, M. Yancheva, H. Chinaei, A. Vann, N. Vogler, T. Bocklet, M. Cernak, J. Hannink, and Elmar Nöth. NeuroSpeech. *SoftwareX*, 8(??):69–70, ???? 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300341>.
- Ortner:2020:MFP**
- [OC20] Michael Ortner and Lucas Gabriel Coliado Bandeira. Magpylib: a free Python package for magnetic field computation. *SoftwareX*, 11(??):Article 100466, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020300170>.

- [O'D21] **ODriscoll:2021:SSC**
 Benjamin O'Driscoll. **SCRAMBLE:** Sweep Comparison Research Application for Multiple Back-Gated Field Effect measurements of graphene field effect transistors. *SoftwareX*, 15(??):??, July 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000819>.
- [OHO16] **Oikonomou:2022:CNO**
 George Oikonomou, Simon Duquenooy, Atis Elsts, Joakim Eriksson, Yasuyuki Tanaka, and Nicolas Tsiftes. The Contiki-NG open source operating system for next generation IoT devices. *SoftwareX*, 18(??):??, June 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000620>.
- [OE21] **Ortin:2021:CPA**
 Francisco Ortin and Javier Escalada. **Cnerator:** a Python application for the controlled stochastic generation of standard C source code. *SoftwareX*, 15(??):??, July 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102100056X>.
- [Ohn21] **Ohnishi:2021:GGC**
 Seiki Ohnishi. **Gxsview:** Geometry and cross section viewer for calculating radiation transport. *SoftwareX*, 14(??):??, June 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000261>.
- [Oishi:2016:BOS]
 A. Christopher Oishi, David A. Hawthorne, and Ram Oren. **Baseliner:** an open-source, interactive tool for processing sap flux data from thermal dissipation probes. *SoftwareX*, 5(??):134–138, ????? 2016. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300188>.
- [OJ22] **Oosterbeek:2022:STA**
 Reece N. Oosterbeek and Jonathan R. T. Jeffers. **StrutSurf:** a tool for analysis of strut morphology and surface roughness in additively manufactured lattices. *SoftwareX*, 18(??):??, June 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000383>.

- [OLRLB21] **Orella:2021:HTA**
 Michael Julian Orella, McLain Evan Leonard, Yuriy Román-Leshkov, [OYW⁺21] and Fikile Richard Brushett. High-throughput analysis of contact angle goniometry data using DropPy. *SoftwareX*, 14(??):??, June 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000108>.
- [OPPZ22] **Ocampo-Pineda:2022:TJE**
 Mario Ocampo-Pineda, Roberto Posenato, and Francesca Zerbato. TimeAwareBPMN-js: an editor and temporal verification tool for Time-Aware BPMN processes. *SoftwareX*, 17(??):??, January 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001734>. [Ozb17]
- [OT16] **Ocaya:2016:CLP**
 R. O. Ocaya and J. J. Terblans. C-language package for standalone embedded atom method molecular dynamics simulations of fcc structures. *SoftwareX*, 5(??):101–106, ????? 2016. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300139>.
- Omidi:2021:PPM**
 Parsa Omidi, Lawrence C. M. Yip, Hui Wang, Mamadou Diop, and Jeffrey J. L. Carson. PhaseWare: Phase map retrieval for fringe projection profilometry and off-axis digital holographic interferometry. *SoftwareX*, 13(??): Article 100652, January 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303654>.
- Ozbasaran:2017:SVS**
 Hakan Ozbasaran. solveTruss v1.0: Static, global buckling and frequency analysis of 2D and 3D trusses with Mathematica. *SoftwareX*, 6(??):128–134, ????? 2017. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101730016X>.
- Pachouly:2022:STC**
 Jalaj Pachouly, Swati Ahirrao, and Ketan Kotecha. SDPTool: a tool for creating datasets and software defect predictions. *SoftwareX*, 18(??):??, June 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000000>. [PAK22]

- science/article/pii/S2352711022000358.
- [PBL⁺21] **Powers:2021:MOS**
 Connor Powers, Lindsay Bassman, Thomas M. Linker, Ken ichi Nomura, Sahil Gulania, Rajiv K. Kalia, Aiichiro Nakano, and Priya Vashishta. MIS-TIQS: an open-source software for performing quantum dynamics simulations on quantum computers. *SoftwareX*, 14(??):??, June 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000418>.
- [PCL22] **Pancino:2022:GKB**
 Niccolò Pancino, Pietro Bongini, Franco Scarselli, and Monica Bianchini. GNNkeras: a Keras-based library for Graph Neural Networks and homogeneous and heterogeneous graph processing. *SoftwareX*, 18(??):??, June 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000486>.
- [PCC⁺19] **Perret:2019:HHG**
 B. Perret, G. Chierchia, J. Cousty, S. J. F. Guimarães, Y. Kenmochi, and L. Najman. Higma: Hierarchical graph analysis. *SoftwareX*, 10(??):Article 100335, July/December 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101930247X>.
- [PCL22] **Pereira:2022:PTP**
 Fábio Pereira, Paul Crocker, and Valderi R. Q. Leithardt. PADRES: Tool for PrivAcy, Data REgulation and Security. *SoftwareX*, 17(??):??, January 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001515>.
- [PDH16] **Peng:2016:TRP**
 Jun Peng, ZhiBao Dong, and FengQing Han. tgcd: an R package for analyzing thermoluminescence glow curves. *SoftwareX*, 5(??):107–111, ???? 2016. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300140>.
- [PDS⁺22] **Pintor:2022:SSE**
 Maura Pintor, Luca Demetrio, Angelo Sotgiu, Marco Melis, Ambra Dementis, and Battista Biggio. secml: Secure and explainable machine learning in Python. *SoftwareX*, 18(??):??, June 2022. CODEN ???? ISSN

- 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000656>.
- [PDTG17] Peter A. Predein, Anna A. Dobrynina, Tsyren A. Tubanov, and Eugeny I. German. **Predein:2017:CSP** CodaNorm: a software package for the body-wave attenuation calculation by the coda-normalization method. *SoftwareX*, 6(??):25–29, 2017. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300413>.
- [PFC+18] M. J. Pankhurst, R. Fowler, L. Courtois, S. Nonni, F. Zuddas, R. C. Atwood, G. R. Davis, and P. D. Lee. Enabling three-dimensional densitometric measurements using laboratory source X-ray micro-computed tomography. *SoftwareX*, 7(??):115–121, January/June 2018. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300360>.
- [PFJM19] Zachary Patterson, Kyle Fitzsimmons, Stewart Jackson, and Takeshi Mukai. **Pankhurst:2018:ETD**
- [PGA+20] Cody J. Permann, Derek R. Gaston, David Andrš, Robert W. Carlsen, Fande Kong, Alexander D. Lindsay, Jason M. Miller, John W. Peterson, Andrew E. Slaughter, Roy H. Stogner, and Richard C. Martineau. **Permann:2020:MEM** MOOSE: Enabling massively parallel multiphysics simulation. *SoftwareX*, 11(??):Article 100430, January/June 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/>
- [PG18] Luigi Palatella and Fabio Grasso. The EKF-AUS-NL algorithm implemented without the linear tangent model and in presence of parametric model error. *SoftwareX*, 7(??):28–33, January/June 2018. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300025>.
- [Palatella:2018:ENA] Itinerum: the open smartphone travel survey platform. *SoftwareX*, 10(??):Article 100230, July/December 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300980>.

- science/article/pii/S2352711019302973.
- [PI17] Miguel Pato and Fabio Iocco. **Pato:2017:GNC** **galkin**: a new compilation of Milky Way rotation curve data. *SoftwareX*, 6(??):48–53, ??? 2017. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300437>.
- [PKA⁺22] Anton Plietzsch, Raphael Kogler, Sabine Auer, Julia Merino, Asier Gil de Muro, Jan Liße, Christina Vogel, and Frank Hellmann. **Plietzsch:2022:PJE** **PowerDynamics.jl** — an experimentally validated open-source package for the dynamical analysis of power grids. *SoftwareX*, 17(??):??, January 2022. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001345>.
- [PKKQ20] Oleksiy V. Penkov, Igor A. Kopylets, Mahdi Khadem, and Tianzuo Qin. **Penkov:2020:XRC** **X-Ray Calc**: a software for the simulation of X-ray reflectivity. *SoftwareX*, 12(??):Article 100528, July/December 2020. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019303681>.
- [PMM16] G. Pereira, M. McGugan, and L. P. Mikkelsen. **Pereira:2016:PFV** **FBG_SiMul V1.0**: Fibre Bragg grating signal simulation tool for finite element method models. *SoftwareX*, 5(??):156–162, ??? 2016. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101630022X>.
- [PMMF19] Fabiano Pallonetto, Eleni Mangina, Federico Milano, and Donal P. Finn. **Pallonetto:2019:SSC** **SimApi**, a smartgrid co-simulation software platform for benchmarking building control algorithms. *SoftwareX*, 9(??):271–281, January/June 2019. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300463>.
- [PMNWR20] Dominik Paprotny, Oswaldo Morales-Nápoles, Daniël T. H. Worm, and Elisa Ragno. **Paprotny:2020:BMT** **BANSHEE** — a MATLAB toolbox for non-parametric Bayesian networks. *SoftwareX*, 12(??):Article 100588, July/

- December 2020. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303010>.
- [PMP16] **Pina-Martins:2016:NMS** [PO19]
 F. Pina-Martins and O. S. Paulo. NCBI Mass Sequence Downloader — large dataset downloading made easy. *SoftwareX*, 5(??):74–79, ????. 2016. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300085>.
- [PMZ21] **Picone:2021:WGP** [Pos22]
 Marco Picone, Marco Mamei, and Franco Zambonelli. WLDT: a general purpose library to build IoT digital twins. *SoftwareX*, 13(??):Article 100661, January 2021. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000066>.
- [PNL+21] **Pilia:2021:EOS** [PP19]
 Nicolas Pilia, Claudia Nagel, Gustavo Lenis, Silvia Becker, Olaf Dössel, and Axel Loewe. ECGdeli: an open source ECG delineation toolbox for MATLAB. *SoftwareX*, 13(??): Article 100639, January 2021. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303526>.
- Pistone:2019:NFA**
 L. Pistone and M. Onorato. nlchains: a fast and accurate time integration of 1-D nonlinear chains on GPUs. *SoftwareX*, 10(??):Article 100255, July/December 2019. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019300585>.
- Posenato:2022:CTJ**
 Roberto Posenato. CSTNU Tool: a Java library for checking temporal networks. *SoftwareX*, 17(??): ??, January 2022. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001564>.
- Pop:2019:NNA**
 Cristian Pop and Alexandru Popa. NewsCompare — a novel application for detecting news influence in a country. *SoftwareX*, 10(??):Article 100305, July/December 2019. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101930175X>.

- [PPBZ21] **Praschl:2021:IFI**
 Christoph Praschl, Andreas Pointner, David Baumgartner, and Gerald Adam Zwettler. Imaging framework: an interoperable and extendable connector for image-related Java frameworks. *SoftwareX*, 16(??):??, December 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001357>.
- [PPRE17] **Popova:2017:OSS**
 Olga Popova, Boris Popov, Dmitry Romanov, and Marina Evseeva. Optimel: Software for selecting the optimal method. *SoftwareX*, 6(??):225–230, ???? 2017. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300316>.
- [PR19] **Perinelli:2019:NPI**
 Alessio Perinelli and Leonardo Ricci. NetOnZeroDXC: a package for the identification of networks out of multivariate time series via zero-delay cross-correlation. *SoftwareX*, 10(??):Article 100316, July/December 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019301335>.
- [PRSS19] **Pham:2019:FHM**
 Hung Tien Pham, Wolfram Rühhaak, Valerian Schuster, and Ingo Sass. Fully hydro-mechanical coupled plug-in (SUB+) in FEFLOW for analysis of land subsidence due to groundwater extraction. *SoftwareX*, 9(??):15–19, January/June 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301286>.
- [PS18a] **Petschke:2018:DLS**
 Danny Petschke and Torsten E. M. Staab. DLT-PulseGenerator: a library for the simulation of lifetime spectra based on detector-output pulses. *SoftwareX*, 7(??):122–128, January/June 2018. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300530>.
- [PS18b] **Petschke:2018:UVDa**
 Danny Petschke and Torsten E. M. Staab. Update (v1.1) to DLTPulseGenerator: a library for the simulation of lifetime spectra based on detector-output pulses. *SoftwareX*, 7(??):171–173, January/June

2018. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300694>.
Petschke:2018:UVDb
- [PS18c] Danny Petschke and Torsten E. M. Staab. Update (v1.2) to DLTPulseGenerator: a library for the simulation of lifetime spectra based on detector-output pulses. *SoftwareX*, 7(?): 259–262, January/June 2018. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301092>.
Petschke:2019:DSA
- [PS19a] Danny Petschke and Torsten E. M. Staab. DDRS4PALS: a software for the acquisition and simulation of lifetime spectra using the DRS4 evaluation board. *SoftwareX*, 10(?):Article 100261, July/December 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019300676>. [PTT20]
Petschke:2019:UVD
- [PS19b] Danny Petschke and Torsten E. M. Staab. Update (v1.3) to DLTPulseGenerator: a library for the simulation of lifetime spectra based on detector-output pulses. *SoftwareX*, 9(?): 183–186, January/June 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101930038X>.
Plewe:2019:PTC
- Kaden Plewe and Amanda D. Smith. PECT: a tool for computing the temporal and spatial variation of externalities related to power generation in the United States. *SoftwareX*, 9(?):61–67, January/June 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300475>.
Pagano:2022:EEM
- Davide Pagano and Lorenzo Sostero. EmiR: Evolutionary minimization for R. *SoftwareX*, 18(?):??, June 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000590>.
Panagiotidis:2020:HPH
- Kyriakos Panagiotidis, Naoum Tsolakis, and Alexander Tsigkas. HC-4-PM: a heterarchical communication framework for project management. *SoftwareX*, 12(?):Article 100557, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102000590>.

- www.sciencedirect.com/science/article/pii/S2352711019303243.
- [PZ22] **Price:2022:HEH** [RAL+20] James Price and Marianne Zeyringer. **highRES-Europe**: the high spatial and temporal Resolution Electricity System model for Europe. *SoftwareX*, 17(?): ??, January 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000164>.
- [PZKK21] **Podvesovskii:2021:DMC** Aleksandr Podvesovskii, Alena Zakharova, Dmitriy Korostelyov, and Aleksandr Kuzin. **DecisionMaster**: a multi-criteria decision support system with ability to combine different decision rules. *SoftwareX*, 16(?):??, December 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001114>.
- [Rag17] **Ragni:2017:MCM** Matteo Ragni. **Mr.CAS** — a minimalistic (pure) Ruby CAS for fast prototyping and code generation. *SoftwareX*, 6(?):124–127, ????? 2017. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300146>.
- [Ras19a] **Raskovalov:2019:ASN** Anton A. Raskovalov. **az-TotMD**: Software for non-constant force field molecular dynamics. *SoftwareX*, 10(?):Article 100233, July/December 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303332>.
- [Ras20] **Ramos:2022:OOS** Andrés Ramos, Erik F. Alvarez, and Sara Lumbreras. **OpenTEPES**: Open-source Transmission and Generation Expansion Planning. *SoftwareX*, 18(?): ??, June 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102200053X>.
- [Rob20] **Robinet:2020:OTC** Florent Robinet, Nicolas Arnaud, Nicolas Leroy, Andrew Lundgren, Duncan Macleod, and Jessica McIver. **Omicron**: a tool to characterize transient noise in gravitational-wave detectors. *SoftwareX*, 12(?):Article 100620, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001114>.

- science/article/pii/S2352711018301389.
- [RAS19b] Miguel A. Rodriguez, Christoph M. Augustin, and Shawn C. Shadden. FEniCS mechanics: a package for continuum mechanics simulations. *SoftwareX*, 9(?): 107–111, January/June 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300979>.
- [Ras20] Leandro Lima Rasmussen. *UnBlocks^{gen}*: a Python library for 3D rock mass generation and analysis. *SoftwareX*, 12(?):Article 100577, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020302909>.
- [Ras21] Paul L. Raston. HeNDS: a program for calculating average Helium NanoDroplet Sizes. *SoftwareX*, 14(?):??, June 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000480>.
- [RB17] **Rodriguez:2019:FMP**
- [RBT20] **Robinson:2017:PBM**
- Martin Robinson and Maria Bruna. Particle-based and meshless methods with Aboria. *SoftwareX*, 6(?):165–171, ???? 2017. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300250>.
- [RCT20] **Ramasawmy:2020:EMT**
- Danny R. Ramasawmy, Ben T. Cox, and Bradley E. Treeby. ElasticMatrix: a MATLAB toolbox for anisotropic elastic wave propagation in layered media. *SoftwareX*, 11(?):Article 100397, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019303048>.
- [RDH⁺21] **Rodenberg:2021:FPC**
- Benjamin Rodenberg, Ishaan Desai, Richard Hertrich, Alexander Jaust, and Benjamin Uekermann. FEniCS-preCICE: Coupling FEniCS to other simulation software. *SoftwareX*, 16(?):??, December 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001072>.

- [RDO⁺19] **Rettenmaier:2019:LBA**
 Daniel Rettenmaier, Daniel Deising, Yun Ouedraogo, Erion Gjonaj, Herbert De Gersem, Dieter Bothe, Cameron Tropea, and Holger Marschall. Load balanced 2D and 3D adaptive mesh refinement in OpenFOAM. *SoftwareX*, 10(??):Article 100317, July/December 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301699>.
- [RE22] **Reinartz:2022:PPP**
 Christopher Reinartz and Thomas T. Enevoldsen. pyTEP: a Python package for interactive simulations of the Tennessee Eastman process. *SoftwareX*, 18(??):??, June 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000449>.
- [REFB17] **Reis:2017:FFB**
 Marcelo S. Reis, Gustavo Estrela, Carlos Eduardo Ferreira, and Junior Barrera. `featsel`: a framework for benchmarking of feature selection algorithms and cost functions. *SoftwareX*, 6(??):185–192, ???? 2017. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019303061>.
- [Ric19] **Richard:2019:IAN**
 Celine Richard. Introducing article numbering to SoftwareX. *SoftwareX*, 10(??):Article 100374, July/December 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019303759>.
- [RJH⁺20] **Renaud:2020:IMS**
 Nicolas Renaud, Yong Jung, Vasant Honavar, Cunliang Geng, Alexandre M. J. J. Bonvin, and Li C. Xue. `iScore`: an MPI supported software for ranking protein-protein docking models based on a random walk graph kernel and support vector machines. *SoftwareX*, 11(??):Article 100462, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019303061>.
- [RK19] **Rose:2019:PSB**
 Michael E. Rose and John R. Kitchin. `pybliometrics`: Scriptable bibliometrics using a Python interface to Scopus. *SoftwareX*, 10(??):Article 100263, July/

- December 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019300573>.
- Randrianasoa:2021:ABE**
- [RKDP21] Jimmy Francky Randrianasoa, Camille Kurtz, Éric Desjardin, and Nicolas Passat. AGAT: Building and evaluating binary partition trees for image segmentation. *SoftwareX*, 16(??):??, December 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001308>.
- Rudolph-Lilith:2019:CMT**
- [RL19] Michelle Rudolph-Lilith. ChessY: a Mathematica toolbox for the generation, visualization and analysis of positional chess graphs. *SoftwareX*, 9(??):39–43, January/June 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301687>.
- Rodriguez:2021:SSO**
- [RLF⁺21] Néstor Rodríguez, David López, Alberto Fernández, Salvador García, and Francisco Herrera. SOUL: Scala Oversampling and Undersampling Library for imbalance classification. *SoftwareX*, 15(??):??, July 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000868>.
- Rahman:2018:QCT**
- [RLK18] Md Mushfiqur Rahman, Yu Lei, and Georgios Kalantzis. QALMA: a computational toolkit for the analysis of quality protocols for medical linear accelerators in radiation therapy. *SoftwareX*, 7(??):101–106, January/June 2018. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300311>.
- Ribeiro:2021:TMS**
- [RLN21] Jorge Ribeiro, Pedro Lima, and Francisco Nunes. Trial Monitor: Scaffolding personalised Web dashboards for Human-Computer Interaction field trials. *SoftwareX*, 16(??):??, December 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102100145X>.
- Righolt:2018:SCP**
- [RMM18] Christiaan H. Righolt, Barret A. Monchka, and Salaheddin M. Mahmud. From source code to publication: Code Diary,

- an automatic documentation parser for SAS. *SoftwareX*, 7(??):222–225, January/June 2018. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300669>. [RNK21]
- [RMMG21] Riccardo Rossi, Andrea Murari, Luca Martellucci, and Pasquale Gaudio. *NetCausality*: a time-delayed neural network tool for causality detection and analysis. *SoftwareX*, 15(??):??, July 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000893>. [RNK22]
- [RNG+21] Lucas Dominguez Ruben, Kensuke Naito, Ronald Roger Gutierrez, Ricardo Szupiany, and Jorge Darwin Abad. Meander Statistics Toolbox (MStat): a toolbox for geometry characterization of bends in large meandering channels. *SoftwareX*, 14(??):??, June 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000194>. [RNR17]
- [Rahman:2021:FFE] Md Motiur Rahman, Tahmina Tasnim Nahar, and Dookie Kim. *FeView*: Finite element model (FEM) visualization and post-processing tool for OpenSees. *SoftwareX*, 15(??):??, July 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000789>. See corrigendum [RNK22].
- [Rahman:2022:CFF] Md Motiur Rahman, Tahmina Tasnim Nahar, and Dookie Kim. Corrigendum to “*FeView*: Finite element model (FEM) visualization and post-processing tool for OpenSees” [SoftwareX 15 (2021) 100751]. *SoftwareX*, 18(??):??, June 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000401>. See [RNK21].
- [Ranathunga:2017:MPP] D. Ranathunga, H. Nguyen, and M. Roughan. *MGtoolkit*: a Python package for implementing metagraphs. *SoftwareX*, 6(??):85–90, ???? 2017. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017000000>.

- www.sciencedirect.com/science/article/pii/S2352711017300080.
- [ROMH22] **Roomi:2022:OIM**
 Muhammad M. Roomi, Wen Shei Ong, Daisuke Mashima, and Suhail S. M. Hussain. *OpenPLC61850*: an IEC 61850 MMS compatible open source PLC for smart grid research. *SoftwareX*, 17(??):??, January 2022. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102100162X>.
- [Rou19] **Roughan:2019:PSS**
 Matthew Roughan. Practically surreal: Surreal arithmetic in Julia. *SoftwareX*, 9(??):293–298, January/June 2019. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302152>.
- [RPV+20] **Rodrigues:2020:NDA**
 Marco S. Rodrigues, Rui M. S. Pereira, Mikhail I. Vasilevskiy, Joel Borges, and Filipe Vaz. NANOPTICS: In-depth analysis of NANomaterials for OPTI-Cal localized surface plasmon resonance Sensing. *SoftwareX*, 12(??):Article 100522, July/December 2020. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102030042X>.
- [RRS18] **Rohlfs:2018:WTD**
 Wilko Rohlfs, Manuel Rietz, and Benoit Scheid. WaveMaker: the three-dimensional wave simulation tool for falling liquid films. *SoftwareX*, 7(??): 211–216, January/June 2018. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101830075X>.
- [RRSK18] **Rudberg:2018:EOS**
 Elias Rudberg, Emanuel H. Rubensson, Paweł Sałek, and Anastasia Kruchinina. Ergo: an open-source program for linear-scaling electronic structure calculations. *SoftwareX*, 7(??): 107–111, January/June 2018. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300402>.
- [RS22] **Raskovalov:2022:AMD**
 Anton Raskovalov and Platon Surkov. azTotMD 2.0: Molecular dynamics with the radiative thermostat and temperature-dependent force field (CUDA version). *SoftwareX*, 17(??):??, January 2022. CODEN ????. ISSN 2352-

7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000127>. [RtHLMN20]
- [RSSL+20] **Razeghi:2020:CIM**
 Orod Razeghi, José Alonso Solís-Lemus, Angela W. C. Lee, Rashed Karim, Cesare Corrado, Caroline H. Roney, Adelaide de Vecchi, and Steven A. Niederer. **CemrgApp**: an interactive medical imaging application with image processing, computer vision, and machine learning toolkits for cardiovascular research. *SoftwareX*, 12(??):Article 100570, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020302831>. [Rub16]
- [RSMW20] **Roy:2020:POS**
 M. J. Roy, N. Stoyanov, R. J. Moat, and P. J. Withers. **pyCM**: an open-source computational framework for residual stress analysis employing the contour method. *SoftwareX*, 11(??):Article 100458, January/June 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019303668>. [RV20]
- Rongen:2020:UAA**
 Guus Rongen, Cornelis Marcel Pieter 't Hart, Georgios Leontaris, and Oswaldo Morales-Nápoles. Update (1.2) to **ANDURIL** and **ANDURYL**: Performance improvements and a graphical user interface. *SoftwareX*, 12(??):Article 100497, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020301837>.
- Ruby:2016:SFO**
 Michael Ruby. **SpectraFox**: a free open-source data management and analysis tool for scanning probe microscopy and spectroscopy. *SoftwareX*, 5(??):25–30, ????? 2016. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300012>.
- Ravasi:2020:PLO**
 Matteo Ravasi and Ivan Vasconcelos. **PyLops** — a linear-operator Python library for scalable algebra and optimization. *SoftwareX*, 11(??):Article 100361, January/June 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/>

- science/article/pii/S2352711019301086.
- [RWJ⁺21] **Razakh:2021:PPI**
 Taufeq Mohammed Razakh, Beibei Wang, Shane Jackson, Rajiv K. Kalia, Aiichiro Nakano, Kenichi Nomura, and Priya Vashishta. PND: Physics-informed neural-network software for molecular dynamics applications. *SoftwareX*, 15(??):??, July 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000972>.
- [SA17] **Soderstrom:2017:SOC**
 Ken Soderstrom and Ali Alalawi. Software for objective comparison of vocal acoustic features over weeks of audio recording: *KLFromRecordingDays*. *SoftwareX*, 6(??):267–270, ????. 2017. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300523>.
- [SA20] **Siddharth:2020:RPI**
 R. Siddharth and G. Aghila. RandPro — a practical implementation of random projection-based feature extraction for high dimensional multivariate data analysis in R. *SoftwareX*, 12(??):Article 100629, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303423>.
- [SAA18] **Silva:2018:HFP**
 D. J. Silva, J. S. Amaral, and V. S. Amaral. Heatrapy: a flexible Python framework for computing dynamic heat transfer processes involving caloric effects in 1.5D systems. *SoftwareX*, 7(??):373–382, January/June 2018. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301298>.
- [SABEh20] **Sleem:2020:PPB**
 Ahmed Sleem, Mohamed Abdel-Baset, and Ibrahim El-henawy. PyIVNS: a Python based tool for interval-valued neutrosophic operations and normalization. *SoftwareX*, 12(??):Article 100632, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303459>.
- [SAC⁺21] **Sani:2021:RTD**
 Laura Sani, Michele Amoretti, Stefano Cagnoni, Monica Mordonini, and Riccardo Pecori. ReSS: a tool for discovering relevant sets in

- complex systems. *SoftwareX*, 14(??):??, June 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000388>. [SBCK17]
- [Sal16] T. Salles. **Salles:2016:BPB** Badlands: a parallel basin and landscape dynamics model. *SoftwareX*, 5(??):190–194, ??? 2016. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300279>.
- [SB21] Davide Stocco and Enrico Bertolazzi. **Stocco:2021:ASG** Acme: a small 3D geometry library. *SoftwareX*, 16(??):??, December 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001266>. [SBL19]
- [SB22] Yash Soni and Terry Brett. **Soni:2022:DDS** Data driven simulations of infectious diseases: Exploring facial recognition approach in predicting the infection severity. *SoftwareX*, 18(??):??, June 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000474>. **Shanmugam:2017:EAI**
- Janaki Shanmugam, Konstantin B. Borisenko, Yu-Jen Chou, and Angus I. Kirkland. **Shanmugam:2017:EAI** eRDF Analyser: an interactive GUI for electron reduced density function analysis. *SoftwareX*, 6(??):179–184, ??? 2017. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300249>.
- [SB22] Danny Smyl, Sven Bossuyt, and Dong Liu. **Smyl:2019:OMP** OpenQSEI: a MATLAB package for quasi static elasticity imaging. *SoftwareX*, 9(??):73–76, January/June 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300256>.
- [SB22] Evangelos Syrmos, Dimitrios Bechtsis, and Naoum Tsolakis. **Syrmos:2022:MMS** MIROR: a middleware software tool for interfacing mobile industrial robots with optimization routing algorithms. *SoftwareX*, 17(??):??, January 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000474>.

- science/article/pii/S2352711021001552.
- [SC17] **Stanghellini:2017:SCS**
 Giuseppe Stanghellini and Gabriela Carrara. **Segy-change**: the Swiss Army knife for the SEG-Y files. *SoftwareX*, 6(??):36–41, ??? 2017. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300031>.
- [SC19] **Speranza:2019:RNO**
 Giorgio Speranza and Roberto Canteri. RxpsG: a new open project for photoelectron and electron spectroscopy data processing. *SoftwareX*, 10(??):Article 100282, July/December 2019. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019300378>.
- [SCG⁺20] **Silva:2020:DRD**
 Vítor Silva, Vinícius Campos, Thaylon Guedes, José Camata, Daniel de Oliveira, Alvaro L. G. A. Coutinho, Patrick Valdúriez, and Marta Matoso. DfAnalyzer: Runtime dataflow analysis tool for computational science and engineering applications. *SoftwareX*, 12(??):Article 100592, July/December 2020. CO-
- DEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303058>.
- [SCPC18] **Steenbeek:2018:ENA**
 Jeroen Steenbeek, Xavier Corrales, Mark Platts, and Marta Coll. Ecosampler: a new approach to assessing parameter uncertainty in Ecopath with Ecosim. *SoftwareX*, 7(??):198–204, January/June 2018. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300803>.
- [SDCA19] **Soler-Dominguez:2019:WTT**
 José L. Soler-Domínguez, Manuel Contero, and Mariano Alcañiz. Workflow and tools to track and visualize behavioural data from a virtual reality environment using a lightweight GIS. *SoftwareX*, 10(??):Article 100269, July/December 2019. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300931>.
- [SDH20] **Skorych:2020:DOS**
 Vasyl Skorych, Maksym Dosta, and Stefan Heinrich. Dyssol — an open-source flowsheet simulation framework for par-

- ticulate materials. *SoftwareX*, 12(??):Article 100572, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020302855>.
- [SDL21] **Sebastianelli:2021:ADB** [SF16]
Alessandro Sebastianelli, Maria Pia Del Rosso, and Silvia Liberata Ullo. Automatic dataset builder for machine learning applications to satellite imagery. *SoftwareX*, 15(??):??, July 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000728>.
- [SDP+20] **Semper:2020:ERF** [SFF⁺19]
S. Semper, M. Döbereiner, S. Pawar, M. Landmann, and G. Del Galdo. eadf: Representation of far-field antenna responses in Python. *SoftwareX*, 12(??):Article 100583, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102030296X>.
- [SEL⁺16] **Sadollah:2016:WCA**
Ali Sadollah, Hadi Eskandar, Ho Min Lee, Do Guen Yoo, and Joong Hoon Kim. Water cycle algorithm: a detailed standard code. *SoftwareX*, 5(??):31–36, ???? 2016. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300024>.
- Schumacher:2016:AMT**
Florian Schumacher and Wolfgang Friederich. ASKI: a modular toolbox for scattering-integral-based seismic full waveform inversion and sensitivity analysis utilizing external forward codes. *SoftwareX*, 5(??):243–251, ???? 2016. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300346>.
- Sanders:2019:DLA**
Jeremiah W. Sanders, Justin R. Fletcher, Steven J. Frank, Ho-Ling Liu, Jason M. Johnson, Zijian Zhou, Henry Szumeng Chen, Aradhana M. Venkatesan, Rajat J. Kudchadker, Mark D. Pagel, and Jingfei Ma. Deep learning application engine (DLAE): Development and integration of deep learning algorithms in medical imaging. *SoftwareX*, 10(??):Article 100347, July/December 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/>

- science/article/pii/S2352711019302535.
- [SFG21] **Schneck:2021:PMA**
William C. Schneck, Erik L. Frankforter, and Elizabeth D. Gregory. PanNDE: a modular architecture for high-performance NDE simulation. *SoftwareX*, 15(??):??, July 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000923>.
- [SFK⁺19] **Shimojo:2019:QOS**
Fuyuki Shimojo, Shogo Fukushima, Hiroyuki Kumazoe, Masaaki Misawa, Satoshi Ohmura, Pankaj Rajak, Kohei Shimamura, Lindsay Bassman, Subodh Tiwari, Rajiv K. Kalia, Aichiro Nakano, and Priya Vashishta. QXMD: an open-source program for nonadiabatic quantum molecular dynamics. *SoftwareX*, 10(??):Article 100307, July/December 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019300512>.
- [SGA⁺16] **Shkurti:2016:PPB**
Ardita Shkurti, Ramon Goni, Pau Andrio, Elena Breitmoser, Iain Bethune, Modesto Orozco, and Charles A. Laughton. [SGDC22]
- Santos:2022:MUM**
Javier E. Santos, Alex Gigliotti, Abhishek Bihani, Christopher Landry, Marc A. Hesse, Michael J. Pyrcz, and Maša Prodanović. MPLBM-T: Multiphase LBM library for permeable media analysis. *SoftwareX*, 18(??):??, June 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000668>.
- [SGB⁺22] **Sartori:2018:DTL**
Alberto Sartori, Nicola Giuliani, Mauro Bardelloni, and Luca Heltai. deal2lkit: a toolkit library for high performance programming in deal.II. *SoftwareX*, 7(??):318–327, January/June 2018. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302048>.
- Spillner:2022:TRS**
Josef Spillner, Panagio
- pyPcazip: a PCA-based toolkit for compression and analysis of molecular simulation data. *SoftwareX*, 5(??):37–43, ???? 2016. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300036>.

- tis Gkikopoulos, Pamela Delgado, and Christine Choirat. Towards reproducible software studies with MAO and Renku. *SoftwareX*, 17(??):??, January 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001783>. [Sil20]
- [SH19] Constantin Steppa and Tim L. Holch. HexagDLy — processing hexagonally sampled data with CNNs in PyTorch. *SoftwareX*, 9(??):193–198, January/June 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302723>. [SKD22]
- [She19] G. Y. Sheu. aXBRL: Search of fraudulent XBRL instance documents with an Android app. *SoftwareX*, 9(??):308–316, January/June 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302334>.
- [SHvW20] A. Sclocco, S. Heldens, and B. van Werkhoven. AMBER: a real-time pipeline for the detection of single pulse astronomical transients. *SoftwareX*, 12(??):Article 100549, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302826>.
- Silvestre:2020:OOT**
- Daniel Silvestre. OPTool — an optimization toolbox for iterative algorithms. *SoftwareX*, 11(??):Article 100371, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302547>.
- Sharma:2022:DRP**
- Parichit Sharma, Hasan Kurban, and Mehmet Dalkilic. DCEM: an R package for clustering big data via data-centric modification of Expectation Maximization. *SoftwareX*, 17(??):??, January 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001771>.
- Shigarov:2019:TSP**
- A. Shigarov, V. Khristyuk, and A. Mikhailov. TabbyXL: Software platform for rule-based spreadsheet data extraction and trans-
- Sclocco:2020:ART** [SKM19]

- formation. *SoftwareX*, 10 (??):Article 100270, July/December 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302966>. [SL21]
- [SL18] Jan Scheffel and Kristofer Lindvall. SIR — an efficient solver for systems of equations. *SoftwareX*, 7 (??):59–62, January/June 2018. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300062>. [Scheffel:2018:SES]
- [SL20a] German A. Sinuco-Leon. OPENMMF: a library for multimode driven quantum systems. *SoftwareX*, 12 (??):Article 100603, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303162>. [Sinuco-Leon:2020:OLM] [SLBC+20]
- [SL20b] Conrad Stansbury and Alessandra Lanzara. PyARPES: an analysis framework for multimodal angle-resolved photoemission spectroscopies. *SoftwareX*, 11 (??):Article 100472, January/June 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019301633>. [Stephens:2021:ODT]
- Victoria B. Stephens and David O. Lignell. One-dimensional turbulence (ODT): Computationally efficient modeling and simulation of turbulent flows. *SoftwareX*, 13(??):Article 100641, January 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102030354X>. [Scoggins:2020:MMT]
- James B. Scoggins, Vincent Leroy, Georgios Bellas-Chatzigeorgis, Bruno Dias, and Thierry E. Magin. Mutation⁺⁺: multicomponent thermodynamic and transport properties for ionized gases in C⁺⁺. *SoftwareX*, 12(??):Article 100575, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020302880>. [Schwindt:2020:RA]
- Sebastian Schwindt, Kenneth Larrieu, Gregory B. Pasternack, and Geoff Rabone. River Architect. *SoftwareX*, 11 (??):Article 100438, Jan-

- uary/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101930281X>.
- [SLWS+17] **Sundararaman:2017:JSJ**
Ravishankar Sundararaman, Kendra Letchworth-Weaver, Kathleen A. Schwarz, Deniz Gunceler, Yalcin Ozhaves, and T. A. Arias. JDFTx: Software for joint density-functional theory. *SoftwareX*, 6(??):271–277, ???? 2017. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300559>.
- [SM19] **Stocchi:2019:FWT**
Marco Stocchi and Michele Marchesi. Fast wavelet transform assisted predictors of streaming time series. *SoftwareX*, 8(??):1–4, ???? 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300481>.
- [SMR22] **Soto:2022:WGO**
Andrés Soto, Héctor Mora, and Jaime A. Riascos. **Web Generator**: an open-source software for synthetic web-based user interface dataset generation. *SoftwareX*, 17(??):
- [SNHS20] **Spitzenberger:2020:PDV**
Andy Spitzenberger, Sebastian Neumann, Martin Heinrich, and Rüdiger Schwarze. Particle detection in VOF-simulations with OpenFOAM. *SoftwareX*, 11(??):Article 100382, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000073>.
- [SNW+21] **Schlueter:2021:GSM**
Martin Schlueter, Mehdi Neshat, Mohamed Wahib, Masaharu Munetomo, and Markus Wagner. GTOPIX space mission benchmarks. *SoftwareX*, 14(??):??, June 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271102100011X>.
- [SO21] **Siala:2021:PPP**
Kais Siala and Leonhard Odersky. pyGRETA, pyCLARA, pyPRIMA: a pre-processing suite to generate flexible model regions for energy system models. *SoftwareX*, 16(??):??, December 2021.

- CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001333>.
Sejdic:2019:SCC [SR17]
- [SOS19] Ervin Sejdić, Irena Orović, and Srdjan Stanković. A software companion for compressively sensed time-frequency processing of sparse nonstationary signals. *SoftwareX*, 8(?): 9–10, ???? 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300365>.
- [SP19] Arya Shahdi and Ekarit Panacharoensawad. SP-Wax: Solid–liquid equilibrium thermodynamic modeling software for paraffinic systems. *SoftwareX*, 9(?):145–153, January/June 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302395>.
Shahdi:2019:SWS [SR19]
- [SP22] Caio Eadi Stringari and Hannah Power. Picoastal: a low-cost coastal video monitoring system. *SoftwareX*, 18(?):??, June 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000541>.
Subbiah:2017:PCR
- M. Subbiah and V. Rajeswaran. proportion: a comprehensive R package for inference on single binomial proportion and Bayesian computations. *SoftwareX*, 6(?): 30–35, ???? 2017. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300018>.
Saad:2019:PPS
- Tony Saad and Giovanna Ruai. PyMaxEnt: a Python software for maximum entropy moment reconstruction. *SoftwareX*, 10(?):Article 100353, July/December 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302456>.
Siripanich:2020:DMM
- [SR20] Amarin Siripanich and Taha Hossein Rashidi. Dymium: a modular microsimulation modelling framework for integrated urban modelling. *SoftwareX*, 12(?):Article 100555, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020000541>.
Stringari:2022:PLC

- www.sciencedirect.com/science/article/pii/S235271102030008X. [SSP21]
- [SRML17] **Souza:2017:IMT**
 Roberto Souza, Leticia Rittner, Rubens Machado, and Roberto Lotufo. **iamxt**: Max-tree toolbox for image processing and analysis. *SoftwareX*, 6(??): 69–80, ??? 2017. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300079>.
- [SS17] **Sundararaghavan:2017:MIB** [SSSH16]
 Veera Sundararaghavan and Siddhartha Srivastava. **MicroFract**: an image based code for microstructural crack path prediction. *SoftwareX*, 6(??):91–93, ??? 2017. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300092>.
- [SS19] **Salis:2019:RFS** [ST21]
 Vitalis Salis and Diomidis Spinellis. **RepoFS**: File system view of Git repositories. *SoftwareX*, 9(??): 288–292, January/June 2019. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300712>.
- Serrao:2021:OTG**
 Prince Henry Serrao, Stefan Sandfeld, and Aruna Prakash. **OptiMic**: a tool to generate optimized polycrystalline microstructures for materials simulations. *SoftwareX*, 15(??):??, July 2021. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000534>.
- Scott:2016:SFP**
 Erin Scott, Natalia Serpetti, Jeroen Steenbeek, and Johanna Jacomina Heymans. A Stepwise Fitting Procedure for automated fitting of Ecopath with Ecosim models. *SoftwareX*, 5(??):16–24, ??? 2016. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016000054>.
- Szeremeta:2021:GME**
 Lukasz Szeremeta and Dominik Tomaszuk. Generating molecular entities as structured data. *SoftwareX*, 15(??):??, July 2021. CODEN ??? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000698>.

- [STC⁺18] **Stockdale:2018:KCL**
 Gabriel Stockdale, Simone Tiberti, Daniela Camilletti, Gessica Sferrazza Papa, Ahmad Basshofi Habieb, Elisa Bertolesi, Gabriele Milani, and Siro Casolo. Kinematic collapse load calculator: Circular arches. *SoftwareX*, 7(?): 174–179, January/June 2018. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101830061X>.
- [STH⁺21] **Sakib:2021:SSS**
 Nazmus Sakib, Shiyu Tian, Md Munirul Haque, Rumi Ahmed Khan, and Sheikh Iqbal Ahamed. SepINav (Sepsis ICU Navigator): a data-driven software tool for sepsis monitoring and intervention using Bayesian Online Change Point Detection. *SoftwareX*, 14(?):??, June 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000340>.
- [SUM21] **Schwarz:2021:PPF**
 Sebastian Schwarz, Sebastian Alexander Uerlich, and Antonello Monti. `pycity_scheduling` — a Python framework for the development and assessment of optimisation-
- based power scheduling algorithms for multi-energy systems in city districts. *SoftwareX*, 16(?):??, December 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001230>.
- [Sur20] **Suriano:2020:SSS**
 Domenico Suriano. SentiAir system software: a flexible tool for data acquisition from heterogeneous sensors and devices. *SoftwareX*, 12(?):Article 100589, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303022>.
- [SWCP20] **Sharaf:2020:BRP**
 Taysseer Sharaf, Theren Williams, Abdallah Chehade, and Keshav Pokhrel. BLNN: an R package for training neural networks using Bayesian inference. *SoftwareX*, 11(?):Article 100432, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101930322X>.
- [SWK15] **Seinstra:2015:E**
 Frank Seinstra, David Wallom, and Kate Keahy. Editorial. *SoftwareX*,

- 1–2(??):i, September 2015. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711015000072>.
- [SWK19] S. Schoeder, W. A. Wall, and M. Kronbichler. ExWave: a high performance discontinuous Galerkin solver for the acoustic wave equation. *SoftwareX*, 9(??):49–54, January/June 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302024>.
- [SY20] Richard Semaan and Vikas Yadav. SCOUT: Signal Correction and Uncertainty Quantification Toolbox in MATLAB. *SoftwareX*, 11(??):Article 100474, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019303711>.
- [TACH17] Erika Tudisco, Edward Andò, Rémi Cailletaud, and Stephen A. Hall. TomoWarp2: a local digital volume correlation code. *SoftwareX*, 6(??):261–266, ???? 2017. CO-
- DEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300511>.
- [Tak22] **Takekawa:2022:FPC**
Takashi Takekawa. Fast parallel calculation of modified Bessel function of the second kind and its derivatives. *SoftwareX*, 17(??):??, January 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001655>.
- [Taq16] **Taqi:2016:VFP**
Ali H. Taqi. A visual Fortran 90 program for the two-particle or two-hole excitations of nuclei: the PPRPA program. *SoftwareX*, 5(??):44–50, ???? 2016. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300048>.
- [TBCG21] **Talamantes-Becerra:2021:OTF**
Berenice Talamantes-Becerra, Jason Carling, and Arthur Georges. omicR: a tool to facilitate BLASTn alignments for sequence data. *SoftwareX*, 14(??):??, June 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000479>.

- [TC20] **Tsiotas:2020:VVE**
 Dimitrios Tsiotas and Avraam Charakopoulos. VisExpA: Visibility expansion algorithm in the topology of complex networks. *SoftwareX*, 11(??):Article 100379, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302237>.
- [TCH⁺22] **Trujillo:2022:GCC**
 Leonardo Trujillo, Jose Manuel Muñoz Contreras, Daniel E. Hernandez, Mauro Castelli, and Juan J. Tapia. GSGP-CUDA — a CUDA framework for Geometric Semantic Genetic Programming. *SoftwareX*, 18(??):??, June 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000607>.
- [TCPC22] **Taranti:2022:CHD**
 Pier-Giovanni Taranti, Carlos Alberto Nunes Cosenza, Leonardo Antonio Monteiro Pessôa, and Rodrigo Abrunhosa Colazo. coppeCosenzaR: a hierarchical decision model. *SoftwareX*, 17(??):??, January 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001539>.
- [TDG19] **Thakur:2019:VNV**
 Abhishek Thakur, Arnav Dhamija, and Tejeshwar Reddy G. VECTORS — VidEo Communication Through Opportunistic Relays and Scalable video coding. *SoftwareX*, 9(??):55–60, January/June 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300918>.
- [TGS⁺19] **Tsai:2019:UIA**
 Hsieh-Fu Tsai, Joanna Gajda, Tyler F. W. Sloan, Andrei Rares, and Amy Q. Shen. Usiigaci: Instance-aware cell tracking in stain-free phase contrast microscopy enabled by machine learning. *SoftwareX*, 9(??):230–237, January/June 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301882>.
- [tHLMN19] **Hart:2019:UAM**
 Cornelis Marcel Pieter 't Hart, Georgios Leonardaris, and Oswaldo Morales-Nápoles. Update (1.1) to ANDURIL — a MATLAB toolbox for ANalysis and Decisions with UnceR-

- taInty: Learning from expert judgments: ANDURL. *SoftwareX*, 10(??):Article 100295, July/December 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302419>.
- [THT20] Iván G. Torre, Richard J. Heck, and A. M. Tarquis. MULTIFRAC: an ImageJ plugin for multi-scale characterization of 2D and 3D stack images. *SoftwareX*, 12(??):Article 100574, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020302879>.
- [TJS18] Sten Ternström, Dennis Johansson, and Andreas Selamtzis. FonaDyn — a system for real-time analysis of the electroglottogram, over the voice range. *SoftwareX*, 7(??):74–80, January/June 2018. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101830030X>.
- [TJS19] Sten Ternström, Dennis Johansson, and Andreas Selamtzis. Update 2.0
- [TKLG19] T. G. Tranter, M. D. R. Kok, M. Lam, and J. T. Gostick. pytrax: a simple and efficient random walk implementation for calculating the directional tortuosity of images. *SoftwareX*, 10(??):Article 100277, July/December 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302286>.
- [TLDM19] Liang Tian, Lin Li, Jun Ding, and Normand Mousseau. ART_data_analyzer: Automating parallelized computations to study the evolution of materials. *SoftwareX*, 9(??):238–243, January/June 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302851>.
- to FonaDyn — a system for real-time analysis of the electroglottogram, over the voice range. *SoftwareX*, 10(??):Article 100343, July/December 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302559>.

Torre:2020:MIP

Tranter:2019:PSE

Ternstrom:2018:FNS

Tian:2019:AAP

Ternstrom:2019:UFS

- [Tru18] **Truster:2018:DDE**
 Timothy J. Truster. DEIP, discontinuous element insertion Program–Mesh generation for interfacial finite element modeling. *SoftwareX*, 7(??):162–170, January/June 2018. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300797>.
- [TS20] **Tartarini:2020:PPP** [TSMT19]
 Federico Tartarini and Stefano Schiavon. **pythermalcomfort:** a Python package for thermal comfort research. *SoftwareX*, 12(??):Article 100578, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020302910>.
- [TS21] **Thrun:2021:FCA** [TT17]
 Michael C. Thrun and Quirin Stier. Fundamental clustering algorithms suite. *SoftwareX*, 13(??): Article 100642, January 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303551>.
- [TSCH20] **Tartarini:2020:CTC**
 Federico Tartarini, Stefano Schiavon, Toby Cheung, and Tyler Hoyt. CBE Thermal Comfort Tool: Online tool for thermal comfort calculations and visualizations. *SoftwareX*, 12(??):Article 100563, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020302454>.
- Tsoulos:2019:GPT**
 Ioannis G. Tsoulos, Vasileios Stavrou, Nikolaos E. Mastorakis, and Dimitrios Tsalikakis. **GenConstraint:** a programming tool for constraint optimization problems. *SoftwareX*, 10(??):Article 100355, July/December 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302250>.
- Tsypin:2017:CRD**
 Lev M. Tsypin and Aaron P. Turkewitz. The co-regulation Data Harvester: Automating gene annotation starting from a transcriptome database. *SoftwareX*, 6(??):161–164, ???? 2017. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300237>.

- [TTT19] **Tsoulos:2019:NTB** Ioannis G. Tsoulos, Alexandros Tzallas, and Dimitris Tsalikakis. NNC: a tool based on grammatical evolution for data classification and differential equation solving. *SoftwareX*, 10(?):Article 100297, July/December 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019301128>. [UVPB⁺22]
- [UdL20] **Urbikain:2020:MCM** G. Urbikain and L. N. López de Lacalle. MoniThor: a complete monitoring tool for machining data acquisition based on FPGA programming. *SoftwareX*, 11(?):Article 100387, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300645>. [VBA⁺16]
- [Ull16] **Ulloa:2016:CSE** Roberto Ulloa. CulSim: a simulator of emergence and resilience of cultural diversity. *SoftwareX*, 5(?):144–149, ???? 2016. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300206>. [VC18]
- Usseglio-Viretta:2022:MOS** F. L. E. Usseglio-Viretta, P. Patel, E. Bernhardt, A. Mistry, P. P. Mukherjee, J. Allen, S. J. Cooper, J. Laurencin, and K. Smith. MATBOX: an Open-source Microstructure Analysis Toolbox for microstructure generation, segmentation, characterization, visualization, correlation, and meshing. *SoftwareX*, 17(?):??, January 2022. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001618>.
- Vanfretti:2016:RME** Luigi Vanfretti, Maxime Baudette, Achour Amazouz, Tetiana Bogodorova, Tin Rabuzin, Jan Lavenius, and Francisco José Gómez-López. RaPID: a modular and extensible toolbox for parameter estimation of Modelica and FMI compliant models. *SoftwareX*, 5(?):139–143, ???? 2016. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101630019X>.
- Vidmar:2018:QPP** R. Vidmar and N. Creati. QCOBJ: a Python pack-

- age to handle quantity-aware configuration files. *SoftwareX*, 7(??):347–351, January/June 2018. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302383>.
- [VCLSL21] Jonas Lynge Vishart, Jaime Castillo-León, and Winnie E. Svendsen. **Vishart:2021:PPB** pyEIA: a Python-based framework for data analysis of electrochemical methods for immunoassays. *SoftwareX*, 15(??):??, July 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000637>.
- [VDCL20] Andrea Valenza, Luca Demetrio, Gabriele Costa, and Giovanni Lagorio. **Valenza:2020:WMA** WAF-A-MoLE: an adversarial tool for assessing ML-based WAFs. *SoftwareX*, 11(??):Article 100367, January/June 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302997>.
- [vdOJP+20] Gijs van den Oord, Fredrik Jansson, Inti Pelupessy, Maria Chertova, Johanna H. **vandenOord:2020:PID** Grönqvist, Pier Siebesma, and Daan Crommelin. A Python interface to the Dutch Atmospheric Large-Eddy Simulation. *SoftwareX*, 12(??):Article 100608, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303216>.
- [VDP+19] Luca Veltri, Luca Davoli, Riccardo Pecori, Armando Vannucci, and Francesco Zanichelli. **Veltri:2019:NFH** NEMO: a flexible and highly scalable network EMulatOr. *SoftwareX*, 10(??):Article 100248, July/December 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019300135>.
- [VDPI+18] Michael von Domaros, Eva Perlt, Johannes Ingenmey, Gwydyon Marchelli, and Barbara Kirchner. **vonDomaros:2018:PMC** Peacemaker 2: Making clusters talk about binary mixtures and neat liquids. *SoftwareX*, 7(??):356–359, January/June 2018. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301845>.

- [VEM⁺18] **Villoria:2018:WBA**
 Nelson B. Villoria, Joshua Elliott, Christoph Müller, Jaewoo Shin, Lan Zhao, and Carol Song. Web-based access, aggregation, and visualization of future climate projections with emphasis on agricultural assessments. *SoftwareX*, 7(??):15–22, January/June 2018. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300626>.
- [VJA⁺18] **Vanfretti:2018:APS**
 L. Vanfretti, G. M. Jónsdóttir, M. S. Almas, E. Rebello, S. R. Firouzi, and M. Baudette. Audur — a platform for synchrophasor-based power system wide-area control system implementation. *SoftwareX*, 7(??):294–301, January/June 2018. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301730>.
- [vKH20] **vanKessel:2020:NMC**
 L. van Kessel and C. W. Hagen. Nebula: Monte Carlo simulator of electron-matter interaction. *SoftwareX*, 12(??):Article 100605, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303186>.
- [vKMH⁺20] **vanKuppevelt:2020:MAD**
 D. van Kuppevelt, C. Meijer, F. Huber, A. van der Ploeg, S. Georgievskaja, and V. T. van Hees. Mcfly: Automated deep learning on time series. *SoftwareX*, 12(??):Article 100548, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019300202>.
- [VRBM16] **Vanfretti:2016:IPS**
 L. Vanfretti, T. Rabuzin, M. Baudette, and M. Murad. iTesla Power Systems Library (iPSL): a Modelica library for phasor time-domain simulations. *SoftwareX*, 5(??):80–83, ??? 2016. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300097>. See update [BCR⁺18].
- [VRG19] **Vencels:2019:ELO**
 Juris Vencels, Peter Råback, and Vadims Geza. EOF-Library: Open-source Elmer FEM and OpenFOAM coupler for electromagnetics and fluid dynamics. *SoftwareX*, 9(??):68–72, January/June 2019. CODEN ???? ISSN 2352-

7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302164>.
- [VVDV22] **Vidoni:2019:RRP**
Melina Vidoni and Aldo Vecchietti. “rsppfp”: an R package for the shortest path problem with forbidden paths. *SoftwareX*, 9(??):265–270, January/June 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300955>.
- [WBS21] **Donckt:2022:TFT**
Jonas Van Der Donckt, Jeroen Van Der Donckt, Emiel Deprost, and Sofie Van Hoecke. *tsflex*: Flexible time series processing and feature extraction. *SoftwareX*, 17(??):??, January 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001904>.
- [WV19] **Wacha:2021:PPE**
Andras Wacha and Tamas Beke-Somfai. PmlBeta: a PyMOL extension for building β -amino acid insertions and β -peptide sequences. *SoftwareX*, 13(??):Article 100654, January 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302164>.
- [WDZ+20] **Werys:2020:TMT**
Konrad Werys, Iulius Dragonu, Qiang Zhang, Iulia Popescu, Evan Hann, Henrike Puchta, Agata Kubik, Dogan Polat, Cody Wu, Niall O. Moon, Ahmet Barutcu, Vanessa M. Ferreira, and Stefan K. Piechnik. Total Mapping Toolbox (TOMATO): an open source library for cardiac magnetic resonance parametric mapping. *SoftwareX*, 11(??):Article 100369, January/June 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019302225>.
- [Web17] **Weber:2017:UTO**
Tobias Weber. Update 1.5 to “Takin: an open-source software for experiment planning, visualisation, and data analysis”, (PII: S2352711016300152). *SoftwareX*, 6(??):141–147, ????? 2017. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300183>. See [WGB16].

- [Web21] **Weber:2021:UTO** Tobias Weber. Update 2.0 to “Takin: an open-source software for experiment planning, visualisation, and data analysis”, (PII: S2352711016300152). *SoftwareX*, 14(??):??, June 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000121>. See [WGB16].
- [Wet20] **Wette:2020:SPO** Karl Wette. SWIGLAL: Python and Octave interfaces to the LALSuite gravitational-wave data analysis libraries. *SoftwareX*, 12(??):Article 100634, July/December 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303472>.
- [WGB16] **Weber:2016:TOS** Tobias Weber, Robert Georgii, and Peter Böni. Takin: an open-source software for experiment planning, visualisation, and data analysis. *SoftwareX*, 5(??):112–120, ???? 2016. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300152>. See updates [Web17, Web21].
- [Wil17] **Willis:2017:ONS** Ashley P. Willis. The Openpipeflow Navier–Stokes solver. *SoftwareX*, 6(??):118–123, ???? 2017. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300158>.
- [WKR⁺20] **Wu:2020:CBS** Wensi Wu, Justyna Kosianka, Heather Reed, Christopher Stull, and Christopher Earls. CU-BENS: a structural modeling finite element library. *SoftwareX*, 11(??):Article 100485, January/June 2020. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020300133>.
- [WLP16] **Wang:2016:OCS** Shaowen Wang, Yan Liu, and Anand Padmanabhan. Open cyberGIS software for geospatial research and education in the big data era. *SoftwareX*, 5(??):i, ???? 2016. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711015000138>.
- [WM21a] **Weinhold:2021:PMT** Richard Weinhold and Robert Mieth. Power Mar-

- ket Tool (POMATO) for the analysis of zonal electricity markets. *SoftwareX*, 16(??):??, December 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001394>.
- [WM21b] **Wilkinson:2021:EPM** [WSK22] Collin J. Wilkinson and John C. Mauro. `Explorer.py`: Mapping the energy landscapes of complex materials. *SoftwareX*, 14(??):??, June 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000285>.
- [WMM18] **Wilkinson:2018:RPC** [WTZ+21] Collin J. Wilkinson, Yihong Z. Mauro, and John C. Mauro. RelaxPy: Python code for modeling of glass relaxation behavior. *SoftwareX*, 7(??):255–258, January/June 2018. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301146>.
- [WPM+20] **Weise:2020:PSU** [WW17] Konstantin Weise, Lucas Poßner, Erik Müller, Richard Gast, and Thomas R. Knösche. `Pygpc`: a sensitivity and uncertainty analysis toolbox for Python. *SoftwareX*, 11(??):Article 100450, January/June 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020300078>.
- Wagner:2022:FEL** Christoph W. Wagner, Sebastian Semper, and Jan Kirchhof. `fastmat`: Efficient linear transforms in Python. *SoftwareX*, 18(??):??, June 2022. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000218>.
- Wagner:2021:TEC** Sebastian Wagner, Konstantin Thierbach, Thomas Zerjatke, Ingmar Glauche, Ingo Roeder, and Nico Scherf. `TraCurate`: Efficiently curating cell tracks. *SoftwareX*, 13(??):Article 100656, January 2021. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000017>.
- Williams:2017:SBS** Ian H. Williams and Philippe B. Wilson. `SULISO`: the Bath suite of vibrational characterization and isotope effect calculation software. *SoftwareX*, 6

- (??):i, ????. 2017. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711016300358>.
Xu:2022:RRP [XYC22]
- [Xie22] Fangzhou Xie. **rethnicity**: an R package for predicting ethnicity from names. *SoftwareX*, 17(??):??, January 2022. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001874>.
Xu:2021:SSP
- [XSC⁺21] Qimen Xu, Abhiraj Sharma, Benjamin Comer, Hua Huang, Edmond Chow, Andrew J. Medford, John E. Pask, and Phanish Suryanarayana. **SPARC**: Simulation Package for Ab-initio Real-space Calculations. *SoftwareX*, 15(??):??, July 2021. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000546>.
Xu:2020:MSM [YD20]
- [XSS20] Qimen Xu, Abhiraj Sharma, and Phanish Suryanarayana. **M-SPARC**: Matlab-simulation package for ab-initio real-space calculations. *SoftwareX*, 11(??):Article 100423, January/June 2020. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019303966>.
Xu:2022:OPO
- Hongyan Xu, Ayten Yigitler, and Jie Chen. **onlineBcp**: an R package for online change point detection using a Bayesian approach. *SoftwareX*, 17(??):??, January 2022. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000140>.
Yorulmaz:2019:DUF
- Onur Yorulmaz and A. Enis Cetin. Deconvolution using Fourier Transform phase, l_1 and l_2 balls, and filtered variation. *SoftwareX*, 8(??):11–17, ????. 2019. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300651>.
Yurin:2020:PKB
- Aleksandr Yu. Yurin and Nikita O. Dorodnykh. Personal knowledge base designer: Software for expert systems prototyping. *SoftwareX*, 11(??):Article 100411, January/June 2020. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300651>.

- S2352711019303334. See update [YDN21].
- [YDMC15] **Youssefi:2015:SRT**
 S. Youssefi, S. Denei, F. Mastrogiovanni, and G. Cannata. Skinware 2.0: a real-time middleware for robot skin. *SoftwareX*, 3–4(??):1–5, December 2015. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711015000102>.
- [YDN21] **Yurin:2021:UPK**
 Aleksandr Yurievich Yurin, Nikita Olegovich Dorodnykh, and Olga Anatolievna Nikolaychuk. Update (4.2020.0303) to “Personal Knowledge Base Designer: Software for expert systems prototyping”, (PII: S2352711019303334). *SoftwareX*, 16(??):??, December 2021. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001163>. See [YD20].
- [YG19] **Yetgin:2019:FES**
 Ömer Emre Yetgin and Ömer Nezih Gerek. Feature extraction, selection and classification code for power line scene recognition. *SoftwareX*, 8(??):43–47, ????. 2019. CO-
- [YKC+19] **Yildiz:2019:RTS**
 Çagatay Yildiz, Baris Kurt, Taha Yusuf Ceritli, Bülent Sankur, and Ali Taylan Cemgil. A real-time SIP network simulation and monitoring system. *SoftwareX*, 8(??):21–25, ????. 2019. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300614>.
- [YKGD19] **Yadav:2019:PPB**
 Vinay Yadav, Subhankar Karmakar, Pradip P. Kalbar, and A. K. Dikshit. PyTOPS: a Python based tool for TOPSIS. *SoftwareX*, 9(??):217–222, January/June 2019. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302279>.
- [YLS+18] **Yerima:2018:MMA**
 Suleiman Y. Yerima, Michael Loughlin, Sakir Sezer, John Moriarty, Mark McCann, Helen McAneney, Leeanne O’Hara, Mark A. Tully, Paul S. Ell, Robert Miller, and Geraldine Macdonald. MobiQ: a
- DEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300560>.

- modular Android application for collecting social interaction, repeated survey, GPS and photographic data. *SoftwareX*, 7(??): 143–149, January/June 2018. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300670>.
- [Zaj20] **Zajc:2020:MTV** [Zek17] Luka Cehovin Zajc. A modular toolkit for visual tracking performance evaluation. *SoftwareX*, 12(??):Article 100623, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303368>.
- [ZAPS20] **Zdybal:2020:PPS** [ZGZvB19] Kamila Zdybała, Elizabeth Armstrong, Alessandro Parente, and James C. Sutherland. PCAfold: Python software to generate, analyze and improve PCA-derived low-dimensional manifolds. *SoftwareX*, 12(??):Article 100630, July/December 2020. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711020303435>.
- [ZC20] **Zhang:2020:GPP** [ZHP+18] Yifei Zhang and Jia Cao. modular Android application for collecting social interaction, repeated survey, GPS and photographic data. *SoftwareX*, 7(??): 143–149, January/June 2018. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300670>.
- Zekollari:2017:TMF** Harry Zekollari. TopoZeko: a MATLAB function for 3-D and 4-D topographical visualization in geosciences. *SoftwareX*, 6(??):278–284, ????? 2017. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300535>.
- Zhu:2019:IRL** Bing Zhu, Zihan Gao, Junkai Zhao, and Seppe K. L. M. vanden Broucke. IRLC: an R library for binary imbalanced classification. *SoftwareX*, 10(??):Article 100341, July/December 2019. CODEN ????? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019301700>.
- Zambo:2018:M** Samantha Zambo, Todd Holland, Nathaniel Plant, Kevin Duvieilh, Paul Elmore, Will Avera, Brian

- Bourgeois, A. Louise Perkins, and David Lalejini. MergeBathy (2015). *SoftwareX*, 7(??):180–183, January/June 2018. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018300888>. [ZNS17]
- [Zhu15] Ru Zhu. Grace: a cross-platform micromagnetic simulator on graphics processing units. *SoftwareX*, 3-4(??):22–26, December 2015. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S235271101500014X>. [Zhu:2015:GCP]
- [Zie19] Tilo Zienert. cp-tools: a Python library for predicting heat capacity of crystalline substances. *SoftwareX*, 9(??):244–247, January/June 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018301791>. [Zienert:2019:CTP] [ZR19]
- [ZMS18] Minjie Zhu, Frank McKenna, and Michael H. Scott. OpenSeesPy: Python library for the OpenSe’s finite element framework. *SoftwareX*, 7(??):6–11, January/June 2018. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300584>. [Zhuang:2017:NVT]
- Kelin Zhuang, Gerald R. North, and Mark J. Stevens. A NetCDF version of the two-dimensional energy balance model based on the full multigrid algorithm. *SoftwareX*, 6(??):193–197, ???? 2017. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711017300262>. [Zhuang:2019:FSE]
- R. Zupko and M. Rouleau. ForestSim: Spatially explicit agent-based modeling of non-industrial forest owner policies. *SoftwareX*, 9(??):117–125, January/June 2019. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018302310>. [Zupko:2020:TDT]
- V. Zambrano, R. Rodríguez-Barrachina, S. Calvo, and S. Izquierdo. TWINKLE: a digital-twin-building kernel for real-time computer-aided engineering. *SoftwareX*, 11(??):Article 100419, January/June 2020. CO-

- DEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711019300664>.
- Zare-Rami:2019:MVP**
- [ZRK19] Keyvan Zare-Rami and Yong-Rak Kim. MIDAS-VT-Pre: Software to generate 2D finite element model of particle/fiber embedded composites with cohesive zones. [ZVP22] *SoftwareX*, 10(??):Article 100292, July/December 2019. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711018303054>.
- Zolotov:2021:PFO**
- [ZRK21] Oleg Zolotov, Yulia Romanovskaya, and Maria Knyazeva. pyFIRI — a free and open source Python software package of the non-auroral Earth’s lower ionosphere. [ZWCQ22] *SoftwareX*, 16(??):??, December 2021. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001461>.
- Zampieri:2021:ARA**
- [ZTC⁺21] Matteo Zampieri, Andrea Toreti, Andrej Ceglar, [ZWM21] Pierluca De Palma, Thomas Chatzopoulos, and Melania Michetti. Analysing the resilience of agricultural production systems with ResiPy, the Python production resilience estimation package. *SoftwareX*, 15(??):??, July 2021. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021000716>.
- Zubarev:2022:MNN**
- Ivan Zubarev, Gavriela Vranou, and Lauri Parkkonen. MNEflow: Neural networks for EEG/MEG decoding and interpretation. *SoftwareX*, 17(??):??, January 2022. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001795>.
- Zhang:2022:PIP**
- Yinsheng Zhang, Haiyan Wang, Yongbo Cheng, and Xiaolin Qin. pyCLAMs: an integrated Python toolkit for classifiability analysis. *SoftwareX*, 18(??):??, June 2022. CODEN ????. ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711022000188>.
- Zarski:2021:KTL**
- Mateusz Zarski, Bartosz Wójcik, and Jarosław Adam Miszczak. KrakN: Transfer learning framework

and dataset for infrastructure thin crack detection. *SoftwareX*, 16 (??):??, December 2021. CODEN ???? ISSN 2352-7110. URL <http://www.sciencedirect.com/science/article/pii/S2352711021001503>.