A Bibliography of Publications about the Julia programming language

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Title word cross-reference

q [MSP+22].

-LSKUM [MSP+22].

0 [Fis19].

1 [Bät20]. **1.0** [Bal18, BS19, KS18, Kwo19b, Sen19]. **1.x** [Sal18]. **1014** [Bor21].

2 [PSK+24]. **2/3D** [PSK+24]. **20th** [KZL+20].

3-Level [VTCB23]. **3.0** [MGS+17]. **3D** [PSK+24].

5 [Dan18].

7th [BCD+20].

978 [Fis19]. **978-1-138-49998-0** [Fis19].

A64FX [GKC22]. **Abstraction** [PSS+15]. **AbstractSDRs** [LGGB21]. **Academia** [LDMG20]. **ACAS** [GM19]. **accelerated** [MSP+22]. **accelerating** [VBVD22]. **Accelerator** [SKG+18]. **accurate** [WLL+15]. **Acoustic** [GLB16]. **Across** [PSS+15]. **Ada** [Ver22]. **Adaptive** [KIT20]. **ADM1jl** [AMAE24]. **advanced** [SEK+13]. **age** [BCG+20]. **Agent** [RUHB19]. **Agent-Based** [RUHB19]. **AI** [AHG+20, Ede17]. **Algebra** [Bor18, OT14, PBB22, RPX+16]. **Algebraic**

[BDF+16, Che21, OOBP15]. **algebras** [SEK+13]. **Algorithm** [Bor21, Fro16, KSÇ+20, HMCG20, VRR+16, Bor21]. **Algorithms** [BJ18, DD15, GMP+20, SKG+18, BAJ19, KR23a]. **Aligator.jl** [HJK18a, HJK18b]. **alternative** [MSS+19]. **Amplitude** [fWL24]. **Amsterdam** [KZL+20]. **Anaerobic** [AMAE24]. **Analyses** [SS21]. **Analysis** [ABBR23, CGWL19, Kam23, KSÇ+20, LDMG20, GMO19, HTF17, KR23a, MSP+22, MVWL17, PKA+22, Sal18, SAD22]. **analytical** [She15]. **analytics** [SEK+13]. **Analyzer** [Spo16]. **Analyzing** [BB20]. **Angewandte** [Bät20]. **Ant** [CML+16]. **anwendungs** [Bät20]. **anwendungs-** [Bät20]. **AnyMOD.jl** [Gök21]. **API** [CSR+23, FSZD20]. **App** [AHG+20]. **Application** [DK20, Bät20, OOBP15]. **applications** [GMP+20, Kwo19b, PSN20]. **applied** [SRA+19, Bät20]. **Approach** [BEKS17, GM19, HVW+20, ABM20, BVM+17, Ede15a]. **approximation** [KR23a]. **apps** [Sal18]. **Architectures** [SBC+17, PSK+24]. **Arcs** [KN20]. **arithmetic** [Rou19]. **Array** [BCK+14]. **Art** [Car19]. **Artificial** [NK21]. **Automated** [PSN20, PF17]. **Automatic** [KN20, LFROF18]. **auxiliary** [Bag22]. **Average** [ABM19]. **Average-chain** [ABM19]. **avoiding** [PBC+21].

B [KR23b]. **B-series** [KR23b]. **Back** [EAW24]. **Backpropagation** [EAW24]. **Backslash** [EAW24]. **Bad** [BDF+16]. **balance** [HTF17]. **Barrier** [LGGB21]. **Based** [EHO16, KSÇ+20, RUHB19, ABM19, ABM20, BAJ19, HMX21a, HMX21b, KIT20, KD18, LQM22, OV16, VB22, YWZ+21]. **Basic** [Car19, Nag17a]. **basis** [FASD20b, FASD20a]. **Bayes** [FLK16]. **Bayesian** [RPF+18, RFP+19]. **Beginning** [Nag17b]. **behavior** [ABM19, ABM20]. **beispielorientierter** [Bät20]. **belief** [FLK16]. **Benchmark** [Sel20]. **Benchmarking** [HS20]. **benchmarks** [Ste23]. **beyond** [Sen19]. **bi** [BA24]. **bi-directional** [BA24]. **Big** [SBC+17, Tho19]. **Bilevel** [GBS24]. **BilevelJuMP.jl** [GBS24]. **Billiard** [Dat17]. **biochemical** [BVM+17]. **Biological** [ZV19]. **BioSimulator.jl** [LSK+18]. **BLAS** [FSZD20]. **BLASFEO** [FSZD20]. **Book** [Fis19, Hel20]. **Bound** [KCHN18]. **boundary** [KRH18]. **Brain** [CJ19]. **Branch** [KCHN18]. **Branch-and-Bound** [KCHN18]. **Braunschweig** [BCD+20]. **break** [LQM22]. **Bring** [LGGB21]. **Brood** [CML+16]. **build** [Kwo19b]. **building** [Sal18].

C [MSP+22]. **C#** [Lau17]. **Calculate** [GLB16]. **calculation** [FASD20b, FASD20a]. **capabilities** [MGS+17]. **Captured** [HVW+20]. **Carlo** [Bau20]. **Case** [GKKL19, Gou20, PSS+15, KD18]. **Cataloging** [RPF+18, RFP+19]. **Cell** [Cha20, oC21]. **Centralities** [PKDM21]. **chain** [ABM19, ABM20]. **chaos** [Dat18]. **Choose** [CLMM20]. **classical** [PSK+24]. **Cloud** [LFROF18]. **Cluster** [CGWL19]. **clustering** [HMCG20]. **Code** [Cre16, Cha20, oC21]. **collection** [ZH16]. **Collective** [Pla19]. **Come** [RBSP23]. **Communication** [HS20]. **Comparative** [GKKL19]. **Comparing** [LMS21]. **Comparison** [HXW+19, KIT20]. **compilation** [PBC+21]. **compiler** [VB22]. **complete** [BS19]. **Complex** [SRA+19, MVWL17, She15]. **Complexity** [DD15]. **Composable** [BTC24]. **Composing** [RGJ+22]. **comprehensive** [Kwo19b]. **Computation** [Che21, KN20, Bag22, GKP18]. **Computational** [BDF+16, Car19, GLB16, LDMG20, HHPSS17, KZL+20]. **Computations** [CE19]. **Computer** [CJ19, LD19, OOBP15]. **Computing** [BKSE12, BEKS17, DD15, EGG+23, KR23b,

LD15, SSR+20, BCRS15, BS19, Dan18, KS18, Kwo16, Sen19]. **Concise** [Bor18]. **Concurrency** [LMM21]. **Conference** [BCD+20, KZL+20]. **constrained** [BVM+17]. **Constructing** [ZV19]. **Construction** [Ste23]. **Context** [RPX+16]. **Context-driven** [RPX+16]. **Continuation** [BT18]. **Control** [CFHT21, KD19]. **Controlling** [KIT20]. **ControlSystems.jl** [CFHT21]. **Converter** [VTCB23]. **Convex** [UMZ+14]. **Cookbook** [KS18, Roh16]. **Core** [SSR+20, HMCG20]. **Correlation** [DK20, PSK+24]. **CorrelationFunctions.jl** [PSK+24]. **Coupled** [AH18, KIT20, Pla19]. **courses** [Bät20]. **CPU** [PSK+24]. **CRC** [Fis19]. **Create** [Zea22]. **creating** [Gök21]. **Cross** [DK20]. **Cross-Correlation** [DK20]. **cryptography** [KD18]. **Cultural** [ZOV20]. **Current** [GCD20, PBB22]. **Current-Voltage** [GCD20]. **curved** [PSN20].

D [Fis19, OV16]. **D-Wave** [OV16]. **D4M** [MGS+17]. **daily** [KS18]. **dam** [LQM22]. **Data** [ABM20, AHG+20, ABBR23, CEK+16, CJ19, Eng23, HVW+20, Kam23, LFROF18, MT18, MT19, NK21, SB21, SBC+17, Tho19, ABM19, Ede17, Jos16, KS18, LBT+21, Lob19b, Sal18, She15, THSF17, Vou16, Zea22, Fis19, Hel20]. **Data-driven** [ABM20]. **database** [MGS+17]. **Datasets** [CGWL19]. **Debugging** [ALW+23]. **decoding** [VRR+16]. **default** [LMM21]. **defects** [RBSP23, RBSP23]. **Definite** [CJ19]. **density** [FASD20b, FASD20a]. **Deployment** [LFROF18]. **Depot** [ZH16]. **Design** [LDMG20, PSS+15, SKG+18, BSS16, BCC+18, Kwo19b, MPA16, Sen16, VB22]. **designed** [BHRC17]. **Designing** [HMCG20]. **determinant** [Bau20]. **Deterministic** [DK20]. **develop** [BSS16, Sen16, She15]. **Developing** [RUHB19]. **Development** [BSK22, GM19, Ede17]. **DG** [WLL+15]. **DG-fem** [WLL+15]. **didactic** [BHRC17]. **Different** [BBH+20]. **Differential** [RN17, Ste23]. **DifferentialEquations.jl** [RN17]. **Digestion** [AMAE24]. **Dimensional** [CEK+16, DK20, OT14]. **dimensions** [Dat17]. **directional** [BA24]. **Dirichlet** [DYFF19, HXW+19]. **discharge** [Cha20]. **discover** [BS19]. **Discrepancies** [FIR19]. **Dispatch** [BCK+14, PF17, BCG+20]. **Distributed** [BJ18, CEK+16, DYFF19, HXW+19, Smi20a, KS18, Sen19]. **DistributedFBA.jl** [HTF17]. **distribution** [RER23]. **Diversity** [ZOV20]. **Dividing** [Gou20]. **Domain** [KSÇ+20]. **Down** [LGGB21]. **Driven** [PSS+15, ABM20, RPX+16]. **Dual** [DK21]. **Dynamic** [BKSE12, DK21, MPA16, PSN20, WLL+15, CEK+16]. **dynamical** [PKA+22, Dat17]. **DynamicalBilliards.jl** [Dat17]. **DynamicalSystems.jl** [Dat18]. **Dynamics** [BBH+20, KSÇ+20, Dat18, Pla19]. **dynamism** [BCC+18].

easily [Kwo19b]. **easy** [Dat17]. **easy-to-use** [Dat17]. **Economics** [CLMM20]. **Ecosystem** [RN17]. **Effective** [BFD19]. **Efficient** [BJ22, DD15, KN20, KRH18, LGGB21, ZH23, ABM20, Ede17, HMCG20]. **Einstieg** [Bät20]. **elastic** [HMX21a, HMX21b]. **electromagnetic** [YWZ+21]. **electronic** [FASD20b, FASD20a]. **electrostatics** [KRH18]. **Elegant** [Che21, Inn18]. **Element** [HMX21a, HMX21b, KRH18, VB22]. **emission** [VBVD22]. **emitters** [Pla19]. **empirical** [RBSP23]. **encoding** [VRR+16]. **End** [SKG+18]. **End-to-End** [SKG+18]. **Energy** [EGG+23, SS21, Gök21, LV20]. **Engaging** [ZOV20]. **engineer** [ABM20]. **Engineering** [ZOV20]. **Engineers** [Nag17b]. **English** [ZV19]. **enhancement** [HHPSS17]. **ensembles** [BVM+17]. **enter** [BCRS15].

Environment [EHO16]. **Equality** [Che21]. **Equation** [MLXS19]. **Equations** [RN17, Ste23]. **EspyInsideFunction.jl** [Mai22]. **estimate** [BVM+17]. **Estimation** [RTH17]. **eval** [BCG+20]. **Evaluating** [BBH+20, GVLD+23, BA24]. **Evaluation** [PSK+24]. **Exact** [GLB16]. **example** [Bät20]. **example-oriented** [Bät20]. **Examples** [Cre16]. **exascale** [GVLD+23]. **Exceptions** [ALW+23]. **exciting** [BCRS15]. **Execution** [FIR19]. **Experiences** [SBC+17]. **experiment** [MPA16]. **Experimental** [Kno14, ABM19]. **experimentally** [PKA+22]. **Exploitation** [AH18]. **explore** [Dan18, Jos16]. **Exploring** [CBS+18]. **Exporting** [Ver22]. **Extendable** [CSR+23, Dat17]. **Extended** [MGS+17]. **Extensible** [ABBR23, BFD19, Che21, ZH16]. **extracting** [Mai22].

Fast [Bau20, BKSE12, Che21, KBG23, MLXS19]. **FeAmGen.jl** [fWL24]. **Feature** [RN17]. **Feature-Rich** [RN17]. **FEM** [HMX21a, HMX21b, WLL+15]. **Feynman** [fWL24]. **Finite** [HMX21a, HMX21b, KRH18, VB22]. **Fixed** [KIT20]. **Flexible** [RTH17]. **FlexPlan.jl** [RER23]. **Flight** [Sel20]. **Floating** [ALW+23, Gou20]. **Floating-Point** [ALW+23, Gou20]. **Flow** [CBS+18, GCD20, SRA+19, Tho19]. **FlowFPX** [ALW+23]. **Fluid** [GLB16, KIT20]. **flux** [HTF17, Inn18]. **Formulation** [GCD20]. **Formulations** [CBS+18]. **Fortran** [GKKL19, MSP+22]. **Fourier** [KBG23]. **Framework** [ABBR23, CBS+18, OT14, KPOR18]. **Fresh** [BEKS17, Ede15a]. **Friendly** [MLXS19]. **Full** [HS20]. **functional** [FASD20b, FASD20a]. **functions** [Bag22, BA24, Mai22, PSK+24]. **Fundamentals** [NK21]. **further** [She15]. **future** [Ede17].

Gadfly [Zea22]. **gas** [Cha20]. **General** [Eng23]. **Generalized** [JNR17]. **Generating** [Gou20]. **Generation** [HJK18a, HJK18b, fWL24]. **Generator** [KN20, PSN20]. **generators** [Lau17]. **Generic** [KBG23]. **Genie** [BSK22]. **Geometry** [BDF+16]. **geostatistics** [Hof18]. **GeoStats.jl** [Hof18]. **German** [Bät20]. **Germany** [BCD+20]. **Getting** [BCRS15]. **Gillespie.jl** [Fro16]. **GPU** [MSP+22, PSK+24, Sen19]. **GPUs** [BFD19]. **granular** [XYN20]. **Graph** [CML+16, DK20]. **GraphBLAS** [PKDM21]. **graphics** [VBVD22]. **grid** [RER23, YWZ+21]. **Gridap** [VB22]. **Grids** [MSS+19, PKA+22]. **Grounding** [MSS+19]. **guide** [BS19, BSK22, Kwo19b, Lob19b].

Handling [HVW+20]. **Hands** [Kwo19b, BSK22]. **Hands-on** [Kwo19b, BSK22]. **Harnessing** [AHG+20]. **Health** [AHG+20]. **heat** [LV20]. **Hecke** [FHHJ17]. **Heterogeneous** [SBC+17, SSR+20]. **High** [EGG+23, HTF17, Hof18, SS21, BCRS15, BSS16, BS19, BSK22, GVLD+23, KD19, OV16, PSN20, Sen16, Sen19, THSF17, YWZ+21]. **High-level** [HTF17, GVLD+23, KD19, OV16, PSN20]. **high-order** [PSN20]. **High-performance** [Hof18, BCRS15, BS19, BSK22, HTF17, THSF17, YWZ+21]. **higher** [BA24]. **HIV** [AHG+20]. **holistic** [RER23]. **home** [LV20]. **Homogeneous** [SBC+17]. **Homogenization** [HT14]. **homology** [HHPSS17]. **Homotopy** [BT18]. **HomotopyContinuation.jl** [BT18]. **HPC** [HS20, LMS21]. **Huffman** [VRR+16]. **Hydrodynamics** [LQM22]. **hyper** [BA24]. **hyper-radial** [BA24]. **hyperelastic** [ABM20]. **HyperRAF** [BA24]. **hypot** [Bor21].

ICCS [KZL+20]. **ICMS** [BCD+20]. **II** [KZL+20]. **IJulia** [VRR+16]. **image** [VBVD22]. **images** [PSK+24]. **Imaging** [SBC+17]. **Implementation** [DD15, KBG23, WLL+15, AMAE24, CEK+16, oC21]. **Implementations** [HXW+19]. **impressive** [Zea22]. **Improved** [Bor21]. **incompressible** [ABM19]. **Industry** [LDMG20]. **Inference** [DYFF19, RPF+18, RFP+19]. **Inferring** [MG20]. **Infinite** [OT14]. **Infinite-Dimensional** [OT14]. **Inform** [MVWL17]. **information** [GKP18, MVWL17, OOBP15]. **information-theoretic** [MVWL17]. **Infrastructure** [ZH23, BTC24]. **InfrastructureModels** [BTC24]. **Initial** [HVW+20]. **Instantaneous** [SAD22]. **Integers** [Gou20]. **integrals** [BA24, KR23a]. **Integrating** [THSF17]. **Integrative** [CGWL19]. **Intelligence** [NK21]. **Interactive** [Zea22, Dan18]. **Interface** [CJ19, KLT20]. **Interfacing** [Lob19a]. **intermediate** [Mai22]. **International** [BCD+20, KZL+20]. **Introducing** [PSK+24]. **Introduction** [Bor18, Car19, Ede15b, Tho19, Bät20, Ede17]. **intuitive** [KRH18]. **Invariant** [HJK18a, HJK18b]. **involving** [BA24]. **ISA.jl** [SAD22]. **ISBN** [Fis19]. **Isogeny** [KD18]. **Isogeny-based** [KD18]. **isotropic** [ABM19]. **issues** [GMP+20]. **iterated** [KR23a]. **Iteration** [KIT20]. **Iteration-based** [KIT20].

Java [Dan18, Spo16]. **JavaScript** [Dan18]. **jInv** [RTH17]. **JIT** [PBC+21, VB22]. **JL** [CBS+18]. **JRAF** [Bag22]. **Julia** [Bät20, AH18, AMAE24, ABM19, ABBR23, Bag22, BA24, BCRS15, BSS16, Bal18, BS19, BSK22, BB20, BVM+17, Bät20, BCG+20, BTC24, BFD19, BKSE12, BEKS17, BCC+18, BJ18, BAJ19, BJ22, BH18, Bor18, BT18, BBH+20, Car19, CFHT21, CE19, CML+16, Che21, CEK+16, CSR+23, CLMM20, CJ19, Cre16, CGWL19, Dan18, Dat17, Dat18, DYFF19, DD15, DL19, DK21, DK20, Ede15a, Ede15b, Ede17, EHO16, Eng23, EGG+23, FIR19, FASD20b, FASD20a, Fro16, GMP+20, GBS24, GKP18, GKKL19, GKC22, GMO19, GVLD+23, Gök21, HTF17, HT14, HVW+20, Hof18, HXW+19, HJK18a, HJK18b, HS20, HMCG20, HMX21a, HMX21b, Inn18, JNR17, Jos16, KS18, Kam23, KN20, KR23a, KRH18, KD18, Kno14, KBG23, KD19, KPOR18, KCHN18, Kwo16, Kwo19a, Kwo19b, KSÇ+20, LSK+18, Lau17, LD19, LGGB21]. **Julia** [LMS21, Lob19a, Lob19b, LD15, LQM22, MSP+22, MT18, MT19, MC19, MR18, MSS+19, Nag17b, Nag17a, NBP+18, NK21, OV16, PSN20, Pas17, PBC+21, PKDM21, RN17, RGJ+22, RBSP23, RFP+19, Roh16, RER23, Rou19, RTH17, Sal18, SB21, SAD22, Sel20, Sen16, Sen19, SEK+13, She15, SNNB17, SRA+19, Smi20a, Smi20b, Spo16, SS21, Ste23, SSR+20, Tho19, UMZ+14, VBVD22, VTCB23, VB22, Ver22, Vou16, Vou18, Vou19, WLL+15, fWL24, XYN20, YWZ+21, Zea22, ZH16, ZV19, ZH23, oC21, Fis19, Hel20]. **Julia-Based** [KSÇ+20, HMX21a, HMX21b, LQM22, YWZ+21]. **Julia/Nemo** [KD18]. **JuliaReach** [BFF+19]. **July** [BCD+20]. **JuMP** [DHL17]. **June** [KZL+20]. **Juniper** [KCHN18]. **JuPOETs** [BVM+17]. **Jupyter** [Dan18]. **JupyterLab** [Dan18]. **juSFEM** [HMX21a, HMX21b]. **juSPH** [LQM22].

Kokkos [GVLD+23]. **Kutta** [GKKL19].

L [BJ18]. **L-shaped** [BJ18]. **Language** [BKSE12, CSR+23, DHL17, Eng23, EGG+23, Kno14, LGGB21, MC19, Sel20, SSR+20, ZV19, ABM19, BCRS15, BS19, BSK22, BVM+17, GMP+20, KRH18, KD19, MGS+17, OV16, PSN20, WLL+15, oC21]. **Languages** [GKKL19, LMM21, Lob19a, PF17, PBB22, THSF17]. **large**

[LBT+21, YWZ+21]. **learn** [Sal18]. **Learning** [AHG+20, Dan18, NK21, RGJ+22, SKG+18, BSS16, BHRC17, GMP+20, Inn18, Sal18]. **Lefever** [MLXS19]. **Level** [VTCB23, GVLD+23, HTF17, KD19, OV16, PSN20]. **Levels** [PSS+15]. **leverage** [BSS16]. **Libraries** [PBB22]. **library** [Dat18]. **like** [LD19]. **Linear** [Bor18, OT14, PBB22, Tho19, RPX+16]. **Loop** [BB20, HJK18a, HJK18b]. **LSKUM** [MSP+22]. **Lugiato** [MLXS19].

Machine [NK21, RGJ+22, SKG+18, GMP+20, Inn18, Sal18]. **Machine-Learning** [SKG+18]. **machines** [OV16]. **macro** [ABM20]. **Macroeconomics** [Car19]. **macroscopic** [ABM19]. **maintainable** [Kwo19b]. **Makie** [Zea22]. **management** [LV20, LBT+21]. **Manifold** [CJ19]. **Manifolds** [ABBR23, ABM20]. **Manifolds.jl** [ABBR23]. **manipulating** [CJ19]. **Mapping** [PBB22]. **Mastering** [She15]. **Material** [HVW+20, BHRC17, SNNB17]. **materials** [XYN20]. **Math** [Nag17a]. **Mathematical** [BCD+20, DHL17, MR18]. **Mathematics** [Bät20]. **Mathematik** [Bät20]. **MATLAB** [Bät20, Bät20, Bor18, MSS+19, CLMM20, KR23a]. **Matrices** [CJ19]. **matrix** [ZH16, ZH16]. **MCMC** [DYFF19]. **McNicholas** [Fis19]. **mechanical** [XYN20]. **Mechanisms** [BB20]. **Medical** [SBC+17]. **Medium** [VTCB23]. **meets** [GKC22]. **Mesh** [KN20, PSN20]. **meshfree** [MSP+22]. **Metatheory.jl** [Che21]. **Method** [GLB16, HMX21a, HMX21b, BA24, BCG+20, SNNB17, Ste23, YWZ+21]. **Methods** [DK20, GKKL19, KRH18]. **micro** [ABM20, XYN20]. **micro-mechanical** [XYN20]. **Migration** [RUHB19]. **Mixed** [SKG+18]. **Mixed-Signal** [SKG+18]. **Mixture** [DYFF19, HXW+19]. **Model** [AMAE24, ABM19, BVM+17, XYN20, CEK+16]. **Modeling** [DHL17, EHO16, GBS24, RGJ+22, ZV19, LBT+21]. **Models** [DYFF19, HXW+19, LMS21, RUHB19, SSR+20, Tho19, ZV19, GVLD+23, Gök21, OOBP15]. **Modern** [LMM21]. **Modes** [KN20]. **modular** [Dat17]. **modulating** [LV20]. **Module** [SRA+19]. **molecular** [Bag22]. **Monte** [Bau20]. **Motion** [HVW+20]. **MPI** [Cre16]. **Multi** [BTC24, Kno14, SSR+20, HMCG20]. **Multi-Core** [SSR+20, HMCG20]. **Multi-infrastructure** [BTC24]. **Multi-threading** [Kno14]. **multiobjective** [BVM+17]. **Multiple** [BCK+14, CGWL19, PF17, BH18]. **multiple-scattering** [BH18]. **Multithreading** [BB20, Sen19].

Natural [DD15]. **Nemo** [FHHJ17, KD18]. **Nemo/Hecke** [FHHJ17]. **NESSie.jl** [KRH18]. **Netherlands** [KZL+20]. **Netlogo** [BBH+20]. **NFFT.jl** [KBG23]. **Nimble** [ALW+23]. **nodes** [GVLD+23]. **Nonequidistant** [KBG23]. **Nonlinear** [KCHN18, Dat18, MPA16]. **nonlocal** [KRH18]. **nonparametric** [FLK16]. **Note** [Cre16]. **Notebooks** [LDMG20]. **Novel** [SEK+13]. **NPC** [VTCB23]. **Numba** [GVLD+23]. **Numbers** [Gou20]. **Numerical** [BEKS17, Bor18, HT14, GKP18, KS18, Mai22, Ste23].

obtained [ABM19]. **One** [DK20]. **Open** [CBS+18, KCHN18, VTCB23, Ede17, GMP+20, HMX21a, HMX21b, KPOR18, LQM22, PKA+22, RER23]. **Open-Source** [CBS+18, KCHN18, HMX21a, HMX21b, LQM22, PKA+22, RER23]. **Operation** [KIT20]. **Operations** [HVW+20, LD15, Kwo16, Kwo19a]. **Operators** [BCK+14]. **Opinion** [BBH+20]. **Optim** [MR18]. **Optimal** [GCD20, SRA+19, LV20, MPA16].

Optimization [BTC24, DHL17, GBS24, SRA+19, UMZ+14, VTCB23, BVM+17, BAJ19, MR18]. **optimizations** [RPX+16, Sen19]. **optimizing** [BCG+20, BH18]. **Options** [BBH+20]. **order** [PSN20]. **oriented** [Bät20, THSF17]. **Other** [Lob19a].

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