A Bibliography of Publications of Achi Brandt

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01 March 2018
Version 1.42

Abstract

This bibliography records publications of Achi Brandt.

Title word cross-reference

2 [SRB06b]. L_2 [Bra94]. N [BB91, LB02a, LB02b]. $O(N)$ [LB02b]. $O(N \log N)$ [LB02a].

-body [BB91]. **-Norm** [Bra94]. **-sum** [SRB06b].

205 [BB83].

3-state [KDB89].

Accelerated [BY93]. **Acceleration** [BR01]. **Accuracy** [LB06]. **Accurate** [BMBG99, BMBG00, Bra00]. **achieving** [TDBS02]. **activities** [Bra92b]. **Adaptive** [Bra77b, Bra73a, Bra76, Bra77a, Bra79, Bra80b, Bra80a, BV98a]. **advection** [BLB+95, YVB98]. **Algebraic** [BBB+11, BMR82, BMR84, Bra86a, BBKL15b, LB12, Bra00, BBKL15a]. **Algorithm** [RSB10, BZ97, LB06, SRB06b]. **Algorithms** [BG97, BI78, BC83, BGR94, BM95, BG96, SRB08]. **AMG** [BMR82, BMR84, BBKL11]. **Analysis** [Bra94, Bra89, BG03, LB04]. **Andersen** [Bra61]. **anisotropic** [BBKL15b]. **antiferromagnet** [ABJS95a, ABJS95b]. **Application** [SB77, BMR82, HLBA+91]. **Applications** [Bra84c, SB96, BL11]. **applied** [RBMM91a]. **approach** [BG69, BIW09, RB88]. **approaches** [BRA86b, Bra87]. **April** [MC92]. **arising** [BC83]. **arrangement** [SRB06a]. **assignment** [BI71]. **assimilation** [BZ97, BG03]. **Asymptotic** [BG69]. **asymptotically** [BV98b]. **atmospheric** [BZ97, BG03]. **August** [Gle87]. **automatic** [BMR82].

Band [YYD+12]. **Based** [RSB11, BLB+95, RLM+00]. **Berkeley** [Gle87]. **body** [BB91]. **Bootstrap** [BBB+11, BBKL11, BBKL15a]. **Boundary** [Bra77b, BIYS00, Bra73a, Bra80c, BC83, BMxx, MB91]. **Boundary-Value** [Bra77b, BIYS00].

calculating [BGR94, BIW09]. **calculation** [BD99a]. **calculations** [LB02a, SB77]. **Carlo** [BR01]. **case** [Bra86a]. **categories** [BI71]. **CDC** [BB83]. **Center** [Bra97]. **Chains** [BBB+11]. **channel** [BG66]. **characteristics** [YVB98]. **closed** [YVB98]. **Coarse** [BR01, BY91a]. **coarse-grid** [BY91a]. **Coarse-to-Fine** [BR01]. **Coarsening** [RSB11, Bra00]. **codes** [BDR80]. **Coefficients** [Bra94, ABDP81]. **Colorado** [MC92]. **combinatorial** [Bra61]. **complementarity** [BC83]. **composite** [LB04]. **compressible** [Bra82b]. **Computation** [Bra90b, Bra97, Bra02]. **computational** [Bra92b, Bra05]. **computations** [Bra80a, BMR82, Bra88, Bra90a, Bra91, Bra92a]. **computers** [Bra81b]. **conditions** [BMxx, MB91]. **Conference** [MMD+89, MC92]. **Conferences** [SB96]. **Congress** [Gle87]. **Conservation** [SB93]. **Constant** [Bra94]. **Constraints** [BIYS00, RSB10]. **contractions** [SRB06a]. **convergence** [BY93]. **Copper** [MMD+89, MC92]. **correction** [BY91a]. **corresponding** [BIW09]. **Coupling** [BG97]. **critical** [KDR+88, KDB89]. **Cyber** [BB83]. **Cycle** [Bra94].

data [BZ97, BG03, BHD+71]. **decomposed** [BD92, BD94]. **decomposition** [BIW09]. **Density** [RSB10]. **developments** [Bra88]. **Difference** [Bra66, Bra69a, Bra73b, BY90, BY91b]. **Differential** [BMR83, Bra69a, Bra69b, Bra77a]. **diffusion** [ABDP81, BBKL15b]. **Dimensional** [SB93, TDBS02]. **discontinuous** [ABDP81]. **discrete** [BRA86b]. **discrete-state** [BRA86b]. **distance** [BBKL15b]. **domain** [BIW09]. **domains** [BD92, BD94, RB88]. **down** [KDR+88, KDB89]. **Dynamics** [Bra84c, Bra80a, BL11, SB96].

edge [SRB06a]. **efficiency** [ASB10, TDBS02, TDB03]. **efficient** [ZSTB10]. **eigenbasis** [LB02a]. **eigenfunctions** [LB02a]. **Eigenproblems** [BMR83]. **elastic** [ZSTB10]. **elasticity** [RB88]. **element** [Bra80a]. **elements** [Bra80b]. **Elliptic** [BIYS00, Bra69a, BD79, Bra81a, BFT85, BT85]. **Energy** [RSB10]. **entering** [BY92, Bra92c]. **equation** [ABDP81, LB02b]. **Equations** [Bra66, Bra69a, Bra69b, Bra77a, Bra82b, BMR84, BL90a, BL90b, BL97, LB06]. **Estimates** [Bra66, Bra69a, Bra69b]. **Euler** [TDBS02]. **evaluation** [BV98b, BV98a]. **example** [TDBS02]. **Experimental** [BHD+71].

Fast [BI78, BMBG99, BD99a, LB12, RSB10, YVB98, BB91, Bra73a, Bra80c, BL90a, BL90b, BMBG00]. **Fermion** [BABH+91]. **fermionic** [BABS90]. **fibrous** [BIW09]. **field** [Bra92a]. **Fifth** [MC92]. **Fine** [BR01]. **finite** [Bra69a, Bra73b, Bra80b, Bra80a]. **finite-difference** [Bra69a, Bra73b]. **finite-element** [Bra80a]. **first** [BY90, BY91b]. **first-order** [BY90, BY91b]. **fission** [BK69]. **Flow** [BR01, ABBG70, BG66, BD79, RBMM91a, RBMM91b, SB77]. **flows** [BG69, BY90, BY91a, BY91b, BY92, Bra92c, BY93, BD99b]. **Fluid** [Bra84c, Bra80a, BL11, TDB03]. **Fourth** [MMD+89]. **framework** [TDBS02]. **free** [BC83, MB91]. **fully** [ASB10]. **Functions** [YYD+12].

Gauss [Bra97]. **Gaussian** [BG96, BG97].

General [Bra00, TDBS02, BO84, BL88]. **generalization** [Bra61]. **Generalized** [Bra73b]. **geodetic** [BMR82]. **geometry** [BIW09]. **global** [BLB+95]. **Graph** [LB12, RSB11, SRB06a, BIW09]. **grid** [ABDP81, Bra76, BD79, Bra81b, Bra81a, Bra82b, BO84, BY91a, SB77]. **GRIDPACK** [BO84]. **grids** [BV98a]. **Group** [BR01]. **Guide** [Bra84c, BL11].

Hartmann [BG69]. **Helmholtz** [LB06]. **high** [BY91a, BY92, Bra92c, BY93, ZSTB10]. **high-resolution** [ZSTB10]. **high-Reynolds** [BY91a, BY92, Bra92c, BY93]. **highly** [BMxx, Bra00]. **hybrid** [BB91]. **hydrodynamics** [BDR80].

ideas [Bra77a]. **II** [BHD+71]. **implicit** [ASB10, BDR80]. **Improved** [BFT85, BY91a]. **Inadequacy** [BY90, BY91b]. **incompressible** [BY92, Bra92c]. **indefinite** [BT86]. **Infiltration** [BBDBA71, BHD+71]. **inlet** [BG66]. **instantons** [BABS90]. **Institute** [Bra90b]. **Integral** [BIYS00, BL90a, BL90b, Bra91, BV98b, BV98a]. **integrals** [BG96, BD99a]. **interactions** [Bra91]. **Interior** [Bra69a, Bra69b]. **International** [Gle87]. **Introduction** [Bra85]. **Introductory** [Bra82a]. **Inversion** [BMBG99, BMBG00]. **Ising** [KDB89]. **islands** [BM95]. **Isotropic** [BG97]. **issue** [MC92]. **iterants** [BM95]. **iterative** [Bra90a].

job [BI71].

kernels [Bra91, BV98b].

Lagrangian [BLB+95, RLM+00]. **LAMG** [LB12]. **Laplacian** [LB12]. **large** [Bra87]. **lattice** [ABJS95a, ABJS95b, Bra92a]. **Laws** [SB93]. **Lean** [LB12]. **Level** [Bra77b, Bra84a, Bra94, YYD+12, Bra73a, Bra76, Bra77a, Bra79, Bra80b, Bra80a, Bra84b, BRA86b, Bra87, SB77]. **Levels** [Bra85]. **limits** [BGR94]. **line** [BD99a]. **Linear** [LB12, BC83, SRB06a, SRB08]. **Local** [BB87, Bra84a, Bra84b, LB04, Bra73b, Bra89]. **long** [BI78]. **low** [ABBG70].

Magnetohydrodynamic [BG66]. **magnetohydrodynamics** [ASB10]. **Markov** [BBB+11]. **massive** [BG96]. **Mathematical** [BBDBA71]. **Mathematicians** [Gle87]. **matrix** [BABS90, BMR84, BL90a, BL90b]. **maximum** [Bra69a, Bra69b, Bra73b]. **mesh** [BB87]. **Method** [BBB+11, Bra76, BDR80, BT86, BL97, SB77, ZSTB10]. **Methods** [BMR83, MMD+89, ABDP81, BB91, Bra80b, Bra82a, BFT85, Bra92b, Bra92a, MC92, RBMM91a, RBMM91b]. **Mill** [Bra84a, Bra84b]. **Minimization** [RSB10]. **minimum** [SRB06a, SRB06b]. **MLAT** [Bra73a, Bra76, Bra77a, Bra79]. **mode** [Bra89, LB04]. **model** [BLB+95, BG96, HLBA+91, RLM+00]. **Models** [BG97, BBDBA71, KDB89]. **modes** [BABS90]. **Molecular** [SB96]. **Monte** [BR01]. **Mountain** [MMD+89, MC92]. **Multi** [Bra73a, Bra76, Bra77b, Bra77a, BD79, Bra79, Bra80b, Bra80a, Bra81b, Bra81a, Bra82b, Bra84a, BRA86b, Bra87, ABDP81, Bra84b, SB77]. **Multi-grid** [BD79, Bra81b, Bra81a, Bra82b, ABDP81, Bra76]. **Multi-Level** [Bra77b, Bra84a, Bra73a, Bra76, Bra77a, Bra79, Bra80b, Bra80a, BRA86b, Bra87, Bra84b, SB77]. **multicolor** [LB04]. **Multigrid** [BC83, BMR83, Bra84c, BT85, BT86, BL88, Bra92a, BD92, BD94, Bra94, BG97, BD99b, BMxx, BIYS00, BR01, BG03, BR03, BL11, LB12, MMD+89, MB91, RSB10, RBMM91a, RBMM91b, SB96, SB93, TOS01, YYD+12, ASB10, BB83, BABS90, BABH+91, BDR80, BMR82, Bra82a, BMR84, BFT85, Bra86a,

Bra89, BG91, BY92, Bra92c, BY93, BGR94, BM95, BG96, BL97, BBKL15a, HLBA+91, LB06, MC92, RB88, RLM+00, TDBS02, TDB03, YVB98, ZSTB10]. **Multilevel** [BB91, BBB+11, Bra88, BL90a, BL90b, Bra90b, Bra91, BV98b, BV98a, BMBG99, SRB08, BB87, BMBG00, BR03, BBKL15b, SRB06a, SRB06b, LB11]. **multiple** [BD99a]. **multiplication** [BL90a, BL90b]. **multiresolution** [Bra90a]. **Multiscale** [Bra92b, BZ97, Bra02, Bra05, LB02a, RSB11, Bra97]. **MuT** [LB11].

Narrow [YYD+12]. **Navier** [Bra82b]. **nearly** [BT86]. **non** [Bra81a]. **non-elliptic** [Bra81a]. **nonaligned** [BD99b]. **nonlinear** [RLM+00]. **Norm** [Bra94]. **numbers** [ABBG70]. **Numerical** [Bra80c, BLB+95, Bra73a].

one [TDBS02]. **one-dimensional** [TDBS02]. **open** [BBKL15a]. **operations** [LB02b]. **operators** [Bra73b]. **Optimal** [BGR94, BG96, BG97, BR01]. **optimization** [BR03]. **order** [Bra69a, BY90, BY91b]. **ordering** [SRB08]. **Organization** [RSB11]. **oscillating** [BMxx]. **oscillatory** [Bra91]. **outlook** [BBKL15a].

Parabolic [BG91, Bra69b]. **Parallel** [Bra84a, HLBA+91, BABH+91, Bra81b, Bra84b]. **Parallel-transported** [HLBA+91]. **partial** [Bra77a]. **particle** [BK69, Bra91]. **path** [BG96]. **periodic** [BFT85]. **perturbation** [Bra79, Bra81a]. **physics** [Bra05]. **Planar** [RSB10]. **Poiseuille** [BG69]. **Poisson** [BB83, Bra66]. **potential** [BLB+95, RLM+00]. **Potts** [ABJS95a, ABJS95b, KDB89]. **predictions** [BHD+71]. **principle** [Bra69a, Bra69b]. **Principles** [Bra10, Bra73b]. **Problem** [BIYS00, BI71, SRB06b, YVB98]. **Problems** [Bra77b, Bra73a, BI78, BD79, Bra79, Bra80b, Bra80c, Bra81a, BC83, BFT85, BRA86b, BT86, Bra87, BM95, BMxx, BBKL15b, BBKL15a, RB88, RBMM91a, RBMM91b, SRB08]. **Proceedings** [Gle87, MMD+89]. **Processing** [Bra84a, Bra84b]. **profiles** [ABBG70]. **programming** [BO84]. **properties** [LB06].

Quantitative [Bra94]. **quasi** [BT85]. **quasi-elliptic** [BT85]. **Quotients** [Bra66].

Radon [BMBG99, BMBG00]. **random** [Bra61]. **ray** [BL97, LB06]. **recirculating** [BY90, BY91b, BY93]. **recombining** [BM95]. **Reconstruction** [YYD+12]. **refinement** [BB87]. **region** [BG66]. **relativity** [BL88]. **Relaxation** [RSB11, LB04]. **Relaxation-Based** [RSB11]. **remarks** [Bra82a]. **Renormalization** [BR01]. **Report** [Bra90b, BBKL15a]. **Research** [Bra90b, Bra92b, Bra97]. **resistive** [ASB10]. **resolution** [ZSTB10]. **results** [BBKL15b]. **review** [Bra88, Bra02]. **revisited** [BG91]. **Reynolds** [ABBG70, BY91a, BY92, Bra92c, BY93]. **Rigorous** [Bra89, Bra94]. **RMG** [BR01]. **roots** [LB02b].

scale [Bra87]. **scales** [Bra85]. **Schauder** [Bra69b]. **schemes** [BT85, BY90, BY91b, LB04]. **Schwarzschild** [BL88]. **Schwinger** [HLBA+91]. **scientific** [Bra97, Bra02]. **scope** [Bra90a]. **second** [Bra69a]. **secular** [LB02b]. **semi** [BDR80, RLM+00, BLB+95]. **semi-implicit** [BDR80]. **semi-Lagrangian** [RLM+00, BLB+95]. **Set** [YYD+12]. **shallow** [BLB+95, RLM+00]. **shallow-water** [BLB+95, RLM+00]. **simulation** [BABH+91, ZSTB10]. **Simulations** [KDR+88, KDB89, TDB03]. **Sinc** [LB11]. **Single** [BK69]. **singular** [Bra79, Bra81a, BT86]. **singular-perturbation** [Bra81a]. **slightly**

[BT86]. **slowing** [KDR+88, KDB89]. **small** [BM95]. **smooth** [BV98b]. **software** [Bra77a]. **solids** [ZSTB10]. **Solution** [BIYS00, SB93, BB91, BMR82, BC83, BL90a, BL90b, BY92, Bra92c, YVB98]. **Solutions** [Bra66, Bra77b, Bra73a, BD79, Bra80c, Bra82b, BT85]. **Solver** [LB12, BB83, RLM+00]. **solvers** [Bra81b, Bra81a, BD92, BD94, BD99b, BR03, Bra05]. **some** [BY90, BY91b]. **sonic** [BD99b]. **source** [BBDBA71, BHD+71]. **spacetime** [BL88]. **Sparre** [Bra61]. **sparse** [BMR84]. **Special** [MC92]. **spectral** [BFT85]. **sphere** [RLM+00]. **stability** [Bra80c]. **standing** [BL97]. **State** [SB93, ABJS95a, ABJS95b, Bra81a, Bra82b, BRA86b, KDB89]. **Statistically** [BR01]. **status** [BBKL15a]. **Steady** [SB93, Bra81a, Bra82b]. **Steady-State** [SB93, Bra81a, Bra82b]. **stochastic** [BRA86b]. **Stokes** [Bra82b]. **straight** [BG66]. **strategies** [BR03]. **strongly** [ABDP81]. **sum** [SRB06b]. **sums** [Bra61]. **Surface** [YYD+12]. **symmetric** [Bra86a]. **systematic** [Bra05, Bra10]. **systems** [BB91].

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Value [Bra77b, BIYS00, Bra73a, Bra80c]. **Variable** [BG97]. **Variable-Coupling** [BG97]. **variables** [Bra61]. **Variational** [Bra80b]. **Vectorized** [BB83]. **Velocity** [ABBG70]. **via** [Bra69a, Bra69b, YYD+12]. **vorticity** [BLB+95, RLM+00]. **vorticity-based** [RLM+00].

water [BLB+95, RLM+00]. **Wave** [BL97, LB06]. **Wave-ray** [BL97, LB06]. **weighted** [SRB06a]. **Weizmann** [Bra90b]. **without** [KDR+88, KDB89]. **Workshops** [SB96].

zero [BABS90].

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