# A Complete Bibliography of Publications of Marsha J. Berger

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## Abstract

This bibliography records publications of Marsha J. Berger.

## Title word cross-reference

1 [BHOR83, HRBO83]. 3 [MBAW95, MAB03a]. 6 [MAB03b]. $h$ [AB02, BH02, BH12, BHL03].

**-Box** [BHL03, BH02, BH12]. **-D** [MAB03a]. **-Dimensional** [BHOR83, HRBO83]. **-DOF** [MAB03b]. **-Refinement** [AB02].

**10th** [Ame83]. **12th** [DG95]. **18** [MAB04b]. **1983** [BCF83]. **1984** [SB85]. **1985** [DeG85]. **1989** [Ano89]. **1990** [EG90]. **1993** [MMM93]. **1996** [KFC97, SK96].

**2** [BS94]. **2005** [ACM05].

**3D** [BME93].

**50th** [Gau94].

**70th** [BW05].

**9th** [Ano89].

**A-18** [MAB04b]. **Accuracy** [BAM96, BM95, BM96]. **accurate** [KB06]. **ACM** [ACM05]. **ACM/IEEE** [ACM05]. **across** [BB85]. **Adaptation** [AMB95]. **Adaptive** [ABM98a, AB02, BBSW94, Ber82, BHOR83, Ber83, BJ84, BO84, BJ85a, Ber85a, Ber86, Ber87a, BL89, Ber89a, BC89, Ber89b, BL90a, BS93, BAM96, BL98, HRBO83, WB96, WKB+08, ZPCL08, BJ85b, BL91a, BCHL09, RPB99, BCF83]. **adaptively** [ABA95, ABA00, LGB11]. **Administration** [MMM93]. **Advanced**

[ZPCL08]. **Aeronautics** [ABB+06, MMM93]. **Aerospace** [MAB05, MAB07]. **AFOSR** [SK96]. **Agglomeration** [BVM93]. **AIAA** [DG95]. **Airborne** [WKB+08]. **Airframes** [MAB02, MAB04a]. **al** [MMM93]. **Algorithm** [BL89, BR92, BK88]. **Algorithms** [BL98]. **Aligned** [MB13, BH02]. **AMR** [BS94]. **Analysis** [BB+78, BAM05]. **Anniversary** [Gau94]. **Antony** [BW05]. **Applications** [ABM04, ABA06, ABB+06, Ber89b, EG90, MAB05, MAB07, MBAW95, ZPCL08, HK02, S+83]. **Approach** [ABA06]. **Approaches** [MAB03a]. **Approximation** [BHL03]. **April** [MMM93]. **Arbitrary** [BL89]. **aspect** [BA98]. **Aspects** [BA98]. **Aug** [Ame83]. **August** [DeG85, Gau94]. **Automatic** [BJ85a, BME93, DAB+99, WB96].

**based** [ABM97, ABM98b]. **Benchmarks** [ABB+06]. **birthday** [BW05]. **blowing** [BK88]. **blowing-up** [BK88]. **Boundaries** [AB02, MAB03a, ABA95, ABA00]. **Boundary** [ABA06, BL90b, MB17, BH12, HB14, KB06, MB14, RPB99]. **Boundary-Layer** [ABA06]. **Box** [BHL03, BH02, BH12]. **British** [Gau94]. **Brunswick** [SK96]. **Buffalo** [Ano89].

**CA** [KFC97, DG95]. **calculation** [BK88]. **Calculations** [BL90b]. **Canada** [Ame83]. **Cartesian** [DAB+99, AMB95, ABA95, ABM97, ABM98a, ABM98b, ABA00, AB02, ABM04, ABA06, BL89, BL90a, BL90b, BL91a, BL91b, BME93, BM95, BM96, BA98, BAA01, Ber02, FB99, HB14, MB14, MBAW95, MAB02, MAB03a, MAB03b, MAB04a, MAB04b, WB96, WKB+08]. **Cartesian/Quad** [WB96]. **celebration** [BW05]. **cell** [Ber15]. **Cells** [MB17, Ber15]. **century** [Gau94]. **CFD** [SK96, ABM04, BAMM05]. **Characterization** [ABB+06]. **Circulation** [ASB75]. **Clustering** [BR92]. **CM** [BS94]. **CM-2** [BS94]. **collection** [DG95]. **College** [BCF83]. **Colorado** [MMM93]. **Columbia** [MAB05, MAB07, ABB+06, Gau94]. **Complex** [ABA06, BL91b, BAM96, DAB+99, BM95, BM96, BAA01, BH02, Ber04, FB99, HK02]. **component** [ABM97, ABM98b]. **component-based** [ABM97, ABM98b]. **computation** [Ame83, Gau94]. **Computational** [Ano89, DG95, ZPCL08, BCF83, Gau94]. **computations** [EOS85]. **Computing** [S+93, S+83]. **Conditions** [BL90b, KB06]. **Conference** [Ano89, DeG85, EG90, KFC97, MMM93, SK96, S+93, SB85, ACM05, DG95]. **Configurations** [ABA06]. **congress** [Ame83]. **Connection** [BS93]. **Conservation** [BBSW94, Ber87b, BHL03, HBL05, BH02]. **Coordinate** [MB13]. **Copper** [MMM93]. **Corrector** [BOR81]. **cosponsored** [MMM93]. **curved** [KB06]. **Curves** [ABM04]. **Cut** [MB17, Ber15].

**D** [MBAW95, MAB03a]. **Data** [Ber83, Ber86]. **Dependent** [BOR81]. **Detailed** [ABB+06]. **Diego** [DG95]. **Difference** [Ber87a, BL91b]. **Differential** [Ber82, BO84, BL90a, BCF83, BL91a]. **Dimensional** [BBSW94, BHOR83, MB13, BLS94, HRBO83]. **Dispersion** [WKB+08]. **Distributed** [ZPCL08]. **DOF** [MAB03b]. **Dynamic** [SK96]. **Dynamics** [Ano89, BHOR83, Ber87a, KFC97, SB85, DG95, HRBO83].

**efficient** [ABM97, ABM98b]. **Elliptic** [Sch81]. **Embedded** [AB02, HBL05, MB17, ABA95, ABA00, BH12, HB14, MB14]. **engineering** [Ame83]. **Equations** [Ber82, BJ84, BO84, BJ85a, Ber85a, BL89, BL90a, BCF83, BJ85b, BL91a]. **Error** [AB02]. **Estimation** [AB02]. **Euler** [BJ84,

BJ85a, BJ85b, BL89, BME93, MBAW95]. **Explicit** [MB17, MB14].

**F** [MAB04b]. **F/A** [MAB04b]. **F/A-18** [MAB04b]. **Fifteenth** [KFC97]. **Filling** [ABM04]. **Finite** [Ber87a, BLS94, HK02, MB13, BCHL09, LGB11, HK02]. **First** [SK96]. **Flow** [BAMM05, FB99, WB96, BM95, BM96, Ber04]. **Flows** [BME93, DAB+99]. **Fluid** [Ano89, Ber87a, KFC97, SB85, DG95, EOS85]. **France** [HK02, SB85].

**Gas** [BHOR83, HRBO83]. **Generation** [ABM98a, Ber86, BR92, BME93, DAB+99, ABM97, ABM98b, Ber02, Ber04]. **Geometries** [BL89, BL91b, DAB+99, HBL05, BM95, BM96, BH02, Ber04, FB99, KB06]. **Geometry** [BAM96, ABM97, ABM98b, BAA01, Ber02]. **Gif** [SB85]. **Gif-sur-Yvette** [SB85]. **Gif-sur-Yvette/France** [SB85]. **Grid** [BJ85a, Ber86, Ber87b, BL90b, BR92, BME93, BH02, DAB+99, HBL05, MBAW95, WB96, BM95, BM96, Ber02, Ber04, HB14]. **Grids** [BL91b, BHL03, BAM05, ABA95, ABA00, BLS94, BH12, FB99]. **Guide** [BB+78].

**half** [Gau94]. **half-century** [Gau94]. **held** [KFC97, MMM93, S+93]. **High** [DAB+99, HBL05, KB06, MAB05, MAB07]. **High-order** [KB06]. **High-Resolution** [HBL05]. **High-Reynolds** [DAB+99]. **Hybrid** [BAMM05, DAB+99]. **Hybrid-Cartesian** [DAB+99]. **Hydrodynamics** [BC89]. **Hyperbolic** [BBSW94, Ber82, BO84, Ber85a, BL90a, BL98, BHL03, EG90, BL91a, HB14].

**IEEE** [ACM05]. **III** [HK02]. **immersed** [RPB99]. **implementation** [KB06]. **Implicit** [MB17, MAB03a, MB14]. **Independent** [WB96]. **Infrastructures** [ZPCL08]. **Interfaces** [Ber85b, Ber87b]. **International** [DeG85, EG90, HK02, KFC97, SB85]. **involving** [FB99]. **Irregular** [BHL03, BAM05, BLS94]. **Island** [HK02]. **issue** [BW05].

**Jameson** [BW05]. **Jersey** [SK96]. **June** [Ano89, DG95, EG90, KFC97, SK96].

**Lake** [ASB75]. **Large** [EOS85]. **Large-scale** [EOS85]. **Laws** [BBSW94, BHL03, HBL05, BH02]. **Layer** [ABA06]. **Level** [MAB02, MAB04a]. **Library** [BB+78]. **Limiters** [BAM05, MB13]. **Local** [BC89]. **Logically** [BCHL09].

**Machine** [BS93]. **March** [S+93]. **mathematics** [Gau94, S+83, Gau94]. **MD** [BCF83]. **mechanics** [EOS85]. **merging** [Ber15]. **Mesh** [AMB95, ABM98a, ABA06, BBSW94, Ber82, BHOR83, Ber83, BO84, Ber85a, Ber85b, BL89, Ber89a, BC89, Ber89b, BL90a, BS93, BL98, ABM97, ABM98b, BA98, HRBO83]. **Meshes** [AB02, BL90a, MB13, MB17, BL91a, BAA01, MB14]. **Method** [BJ84, HBL05, MBAW95, MAB02, MAB03a, MAB03b, MAB04a, MAB04b, ABA95, ABA00, BJ85b, BM95, BM96, BH12, RPB99]. **Methods** [AMB95, ABM04, BOR81, Ber87a, BAM96, BHL03, EG90, KFC97, MMM93, SB85, WKB+08, BCF83, BLS94, BA98, BH02, BCHL09, HB14, LGB11]. **Michigan** [ASB75]. **mixed** [MB14]. **Modeling** [AMB95, WKB+08, Ber02, Ame83]. **modelling** [LGB11]. **Models** [ASB75]. **Monterey** [KFC97]. **Montreal** [Ame83]. **Motion** [MAB03b, SK96]. **Mountain** [MMM93]. **Moving** [MAB03a, FB99]. **Multi** [MAB02, MAB04a]. **Multi-Level** [MAB02, MAB04a]. **Multigrid**

[BJ84, BVM93, MMM93, BJ85b, BAA01]. **Multilevel** [AB02, ABA95, ABA00]. **Multiprocessors** [BB85, BB87].

**NASA** [MAB05, MAB07]. **National** [MMM93]. **Ninth** [SB85]. **Non** [BB87, MB13]. **Non-Coordinate-Aligned** [MB13]. **Non-Uniform** [BB87]. **Norfolk** [S+93]. **note** [Ber15]. **November** [ACM05]. **Number** [DAB+99]. **Numerical** [ASB75, BB+78, EG90, KFC97, MAB02, MAB04a, SB85, BK88].

**one** [BLS94]. **one-dimensional** [BLS94]. **order** [KB06].

**papers** [DG95]. **Parabolic** [BOR81]. **Paradigm** [BAMM05]. **Parallel** [BOR81, Ber89a, BAA01, DeG85, S+93, ZPCL08, ABA95, ABA00]. **Park** [BCF83]. **Partial** [Ber82, BO84, BL90a, BCF83, BL91a]. **Partitioning** [BB85, BB87]. **PDEs** [BB85]. **Performance** [ABB+06, BAMM05]. **physical** [S+83]. **pieces** [Ber04]. **Point** [BR92]. **Porquerolles** [HK02]. **Predictor** [BOR81]. **Predictor-Corrector** [BOR81]. **Preface** [BW05]. **problem** [Sch81]. **Problems** [BOR81, BB87, EG90, HB14]. **Proceedings** [BCF83, EG90, KFC97, MMM93, SB85, ACM05, DeG85, SK96, S+93]. **Processing** [DeG85, S+93, Ber02]. **Processors** [BOR81, Ber89a]. **Program** [BB+78]. **Programming** [BAMM05]. **Propagation** [BL98]. **Putting** [Ber04].

**Quad** [WB96].

**ratios** [BA98]. **rectangular** [BCHL09]. **refined** [ABA95, ABA00, LGB11]. **Refinement** [AB02, BBSW94, Ber82, BHOR83, Ber83, BO84, BJ85a, Ber85a, Ber85b, Ber89a, BC89, Ber89b, BL90a, BS93, BL98, BL91a, BCHL09, HRBO83]. **rescaling** [BK88]. **Resolution** [HBL05, MAB05, MAB07]. **Reynolds** [DAB+99]. **Robust** [ABM97, ABM98b]. **Rolling** [MAB02, MAB04a]. **Rolling-Airframes** [MAB02, MAB04a]. **Rotated** [BL91b, HBL05].

**San** [DG95]. **scale** [EOS85]. **Scheme** [BL91b, MB17, MB14]. **Schemes** [MB13]. **sciences** [S+83]. **Scientific** [S+93, Ame83, S+83]. **Seattle** [ACM05]. **Separation** [MAB04b]. **Shock** [BC89]. **SIAM** [S+93]. **simplified** [BH12]. **Simulation** [MAB02, MAB04a, Ame83]. **Simulations** [MAB03b, MAB04b, FB99]. **Sixth** [S+93, MMM93]. **Slope** [BAM05, MB13]. **solid** [KB06]. **Solution** [BOR81]. **Solutions** [WB96, BK88]. **Solver** [BAMM05, WB96]. **solvers** [Ber04, Sch81]. **Some** [Ber89b]. **Space** [ABM04, MMM93]. **Space-Filling** [ABM04]. **Special** [BW05]. **sphere** [BCHL09]. **Stability** [Ber85b, Ber15]. **Stable** [BL90b]. **steady** [BM95, BM96]. **stepping** [MB14]. **Store** [MAB04b]. **Strategy** [BB85, BB87]. **Structured** [BS93]. **Structures** [Ber83, Ber86]. **Supercomputer** [MAB05, MAB07]. **Supercomputing** [ACM05]. **Surface** [AMB95, Ber02]. **Sweden** [EG90]. **Symposium** [Gau94, HK02]. **Systems** [Ame83, BL98].

**technical** [DG95]. **test** [BM95, BM96]. **Theory** [EG90]. **Third** [HK02, EG90]. **Three** [BBSW94]. **Three-Dimensional** [BBSW94]. **Time** [BOR81, MB14]. **Time-Dependent** [BOR81]. **together** [Ber04]. **Triangle** [Ber02]. **Tsunami** [LGB11]. **Two** [MB13]. **Two-Dimensional** [MB13].

**Uniform** [BB87]. **Unstructured** [BVM93]. **Uppsala** [EG90]. **USA**

[BCF83, KFC97, S+93]. **User** [BB+78]. **Using** [BL98, MAB07, MAB02, MAB04a, ABB+06, BAMM05, MAB05].

**VA** [S+93]. **Vancouver** [Gau94]. **Verification** [ASB75]. **version** [RPB99]. **Viscous** [WB96]. **Volume** [MB13, BLS94, BCHL09, LGB11]. **volumes** [HK02].

**WA** [ACM05]. **wall** [KB06]. **Wave** [BL98]. **Wave-Propagation** [BL98]. **Workshop** [BCF83, MMM93]. **World** [Ame83].

**York** [Ano89]. **Yvette/France** [SB85].

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