

Zhimin Zhang

List of Publications by Year in descending order

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164
papers

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165
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165
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987
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#	ARTICLE	IF	CITATIONS
1	A C^0 finite element method for the biharmonic problem with Navier boundary conditions in a polygonal domain. IMA Journal of Numerical Analysis, 2023, 43, 1779-1801.	1.5	1
2	Efficient shifted fractional trapezoidal rule for subdiffusion problems with nonsmooth solutions on uniform meshes. BIT Numerical Mathematics, 2022, 62, 631-666.	1.0	9
3	Unconditionally optimal convergence of an energy-conserving and linearly implicit scheme for nonlinear wave equations. Science China Mathematics, 2022, 65, 1731-1748.	0.8	12
4	A Family of Finite Element Stokes Complexes in Three Dimensions. SIAM Journal on Numerical Analysis, 2022, 60, 222-243.	1.1	12
5	A C^1 Conforming Petrov–Galerkin Method for Convection-Diffusion Equations and Superconvergence Analysis over Rectangular Meshes. SIAM Journal on Numerical Analysis, 2022, 60, 274-311.	1.1	3
6	Sparse Spectral-Galerkin Method on An Arbitrary Tetrahedron Using Generalized Koornwinder Polynomials. Journal of Scientific Computing, 2022, 91, 1.	1.1	1
7	Spectral Element Methods for Eigenvalue Problems Based on Domain Decomposition. SIAM Journal of Scientific Computing, 2022, 44, A689-A719.	1.3	0
8	<i>A priori</i> and <i>a posteriori</i> error estimates for the quad-curl eigenvalue problem. ESAIM: Mathematical Modelling and Numerical Analysis, 2022, 56, 1027-1051.	0.8	2
9	FE-holomorphic operator function method for nonlinear plate vibrations with elastically added masses. Journal of Computational and Applied Mathematics, 2022, 410, 114156.	1.1	4
10	A Posteriori Error Estimates of Spectral Approximations for Second Order Partial Differential Equations in Spherical Geometries. Journal of Scientific Computing, 2022, 90, 1.	1.1	8
11	Polynomial preserving recovery and a posteriori error estimates for the two-dimensional quad-curl problem. Discrete and Continuous Dynamical Systems - Series B, 2022, .	0.5	0
12	An exponential convergence approximation to singularly perturbed problems by Log orthogonal functions. Calcolo, 2022, 59, .	0.6	0
13	A recovery-based linear C^0 finite element method for a fourth-order singularly perturbed Monge-Ampère equation. Advances in Computational Mathematics, 2021, 47, 1.	0.8	4
14	Finite Element Calculation of Photonic Band Structures for Frequency Dependent Materials. Journal of Scientific Computing, 2021, 87, 1.	1.1	6
15	A Rational Approximation Scheme for Computing Mittag-Leffler Function with Discrete Elliptic Operator as Input. Journal of Scientific Computing, 2021, 87, 1.	1.1	3
16	H^2 -Conforming Spectral Element Method for Quad-Curl Problems. Computational Methods in Applied Mathematics, 2021, 21, 661-681.	0.4	3
17	Superconvergence Analysis of the Ultra-Weak Local Discontinuous Galerkin Method for One Dimensional Linear Fifth Order Equations. Journal of Scientific Computing, 2021, 88, 1.	1.1	2
18	Two-parameter localization for eigenfunctions of a Schrödinger operator in balls and spherical shells. Journal of Mathematical Physics, 2021, 62, 091505.	0.5	1

#	ARTICLE	IF	CITATIONS
19	A CG-DC method for Maxwell's equations in Cole-Cole dispersive media. Journal of Computational and Applied Mathematics, 2021, 393, 113480.	1.1	5
20	Robust recovery-type a posteriori error estimators for streamline upwind/Petrov Galerkin discretizations for singularly perturbed problems. Applied Numerical Mathematics, 2021, 168, 23-40.	1.2	0
21	H(curl ²)-conforming quadrilateral spectral element method for quad-curl problems. Mathematical Models and Methods in Applied Sciences, 2021, 31, 1951-1986.	1.7	3
22	A Novel Scheme to Capture the Initial Dramatic Evolutions of Nonlinear Subdiffusion Equations. Journal of Scientific Computing, 2021, 89, 1.	1.1	21
23	Ball prolate spheroidal wave functions in arbitrary dimensions. Applied and Computational Harmonic Analysis, 2020, 48, 539-569.	1.1	5
24	Spectral-Galerkin approximation and optimal error estimate for biharmonic eigenvalue problems in circular/spherical/elliptical domains. Numerical Algorithms, 2020, 84, 427-455.	1.1	8
25	A new weak Galerkin method for the Biharmonic equation. Journal of Computational and Applied Mathematics, 2020, 364, 112337.	1.1	12
26	Vector-Type Boundary Schemes for the Lattice Boltzmann Method Based on Vector-BGK Models. SIAM Journal of Scientific Computing, 2020, 42, B1250-B1270.	1.3	5
27	Superconvergence analysis of linear FEM based on polynomial preserving recovery for Helmholtz equation with high wave number. Journal of Computational and Applied Mathematics, 2020, 372, 112731.	1.1	6
28	Superconvergence Error Estimate of a Finite Element Method on Nonuniform Time Meshes for Reaction-Subdiffusion Equations. Journal of Scientific Computing, 2020, 84, 1.	1.1	7
29	Local superconvergence of post-processed high-order finite volume element solutions. Advances in Computational Mathematics, 2020, 46, 1.	0.8	3
30	A Spectrally Accurate Approximation to Subdiffusion Equations Using the Log Orthogonal Functions. SIAM Journal of Scientific Computing, 2020, 42, A849-A877.	1.3	24
31	Finite Element Methods Based on Two Families of Second-Order Numerical Formulas for the Fractional Cable Model with Smooth Solutions. Journal of Scientific Computing, 2020, 84, 1.	1.1	25
32	Numerical analysis on the mortar spectral element methods for Schrödinger eigenvalue problem with an inverse square potential. Applied Numerical Mathematics, 2020, 158, 54-84.	1.2	1
33	A new finite element approach for the Dirichlet eigenvalue problem. Applied Mathematics Letters, 2020, 105, 106295.	1.5	7
34	Local ultraconvergence of linear and bilinear finite element method for second order elliptic problems. Journal of Computational and Applied Mathematics, 2020, 372, 112715.	1.1	2
35	Approximation of the multi-dimensional incompressible Navier-Stokes equations by discrete-velocity vector-BGK models. Journal of Mathematical Analysis and Applications, 2020, 486, 123901.	0.5	4
36	Simple Curl-Curl-Conforming Finite Elements in Two Dimensions. SIAM Journal of Scientific Computing, 2020, 42, A3859-A3877.	1.3	18

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37	A class of efficient spectral methods and error analysis for nonlinear Hamiltonian systems. Communications in Mathematical Sciences, 2020, 18, 395-428.	0.5	4
38	Seven-velocity three-dimensional vectorial lattice Boltzmann method including various types of approximations to the pressure and two-parameterized second-order boundary treatments. Computers and Mathematics With Applications, 2020, 80, 2764-2779.	1.4	2
39	A curl-conforming weak Galerkin method for the quad-curl problem. BIT Numerical Mathematics, 2019, 59, 1093-1114.	1.0	11
40	Superconvergence Points for the Spectral Interpolation of Riesz Fractional Derivatives. Journal of Scientific Computing, 2019, 81, 1577-1601.	1.1	4
41	C^1 -Conforming Quadrilateral Spectral Element Method for Fourth-Order Equations. Communications on Applied Mathematics and Computation, 2019, 1, 403-434.	0.7	6
42	On the $2p$ -th-Order of Convergence of the Galerkin Difference Method. SIAM Journal on Numerical Analysis, 2019, 57, 2189-2199.	1.1	0
43	Superconvergence points of integer and fractional derivatives of special Hermite interpolations and its applications in solving FDEs. ESAIM: Mathematical Modelling and Numerical Analysis, 2019, 53, 1061-1082.	0.8	1
44	Supercloseness of Linear DG-FEM and Its Superconvergence Based on the Polynomial Preserving Recovery for Helmholtz Equation. Journal of Scientific Computing, 2019, 79, 1713-1736.	1.1	2
45	Convergence Analysis of a Discontinuous Galerkin Method for Wave Equations in Second-Order Form. SIAM Journal on Numerical Analysis, 2019, 57, 238-265.	1.1	3
46	(curl^2) -Conforming Finite Elements in 2 Dimensions and Applications to the Quad-Curl Problem. SIAM Journal of Scientific Computing, 2019, 41, A1527-A1547.	1.3	21
47	Linearized Galerkin FEMs for Nonlinear Time Fractional Parabolic Problems with Non-smooth Solutions in Time Direction. Journal of Scientific Computing, 2019, 80, 403-419.	1.1	83
48	Superconvergence Analysis and PPR Recovery of Arbitrary Order Edge Elements for Maxwell's Equations. Journal of Scientific Computing, 2019, 78, 1207-1230.	1.1	14
49	Unconditionally Optimal Error Estimates of a Linearized Galerkin Method for Nonlinear Time Fractional Reaction-Subdiffusion Equations. Journal of Scientific Computing, 2018, 76, 848-866.	1.1	74
50	Superconvergence of Discontinuous Galerkin Method for Scalar Nonlinear Hyperbolic Equations. SIAM Journal on Numerical Analysis, 2018, 56, 732-765.	1.1	27
51	Spectral Methods for Substantial Fractional Differential Equations. Journal of Scientific Computing, 2018, 74, 1554-1574.	1.1	18
52	A C^0 Linear Finite Element Method for Biharmonic Problems. Journal of Scientific Computing, 2018, 74, 1397-1422.	1.1	20
53	The Numerical Computation of the Time Fractional Schrödinger Equation on an Unbounded Domain. Computational Methods in Applied Mathematics, 2018, 18, 77-94.	0.4	7
54	Supercloseness analysis and polynomial preserving Recovery for a class of weak Galerkin Methods. Numerical Methods for Partial Differential Equations, 2018, 34, 317-335.	2.0	12

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55	Superconvergence Analysis of High-Order Rectangular Edge Elements for Time-Harmonic Maxwell's Equations. <i>Journal of Scientific Computing</i> , 2018, 75, 510-535.	1.1	8
56	Maximum-norms error estimates for high-order finite volume schemes over quadrilateral meshes. <i>Numerische Mathematik</i> , 2018, 138, 473-500.	0.9	11
57	Superconvergence of partially penalized immersed finite element methods. <i>IMA Journal of Numerical Analysis</i> , 2018, 38, 2123-2144.	1.5	7
58	Efficient Spectral Methods for Some Singular Eigenvalue Problems. <i>Journal of Scientific Computing</i> , 2018, 77, 657-688.	1.1	2
59	Some Recent Developments in Superconvergence of Discontinuous Galerkin Methods for Time-Dependent Partial Differential Equations. <i>Journal of Scientific Computing</i> , 2018, 77, 1402-1423.	1.1	7
60	Superconvergence of immersed finite element methods for interface problems. <i>Advances in Computational Mathematics</i> , 2017, 43, 795-821.	0.8	23
61	Superconvergent Two-Grid Methods for Elliptic Eigenvalue Problems. <i>Journal of Scientific Computing</i> , 2017, 70, 125-148.	1.1	13
62	Efficient Spectral and Spectral Element Methods for Eigenvalue Problems of Schrödinger Equations with an Inverse Square Potential. <i>SIAM Journal of Scientific Computing</i> , 2017, 39, A114-A140.	1.3	15
63	Superconvergence of Local Discontinuous Galerkin Method for One-Dimensional Linear Schrödinger Equations. <i>Journal of Scientific Computing</i> , 2017, 73, 1290-1315.	1.1	7
64	Superconvergence of Discontinuous Galerkin methods based on upwind-biased fluxes for 1D linear hyperbolic equations. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2017, 51, 467-486.	0.8	23
65	Fast Evaluation of the Caputo Fractional Derivative and its Applications to Fractional Diffusion Equations. <i>Communications in Computational Physics</i> , 2017, 21, 650-678.	0.7	308
66	A Numerical Analysis of the Weak Galerkin Method for the Helmholtz Equation with High Wave Number. <i>Communications in Computational Physics</i> , 2017, 22, 133-156.	0.7	16
67	A postprocessed flux conserving finite element solution. <i>Numerical Methods for Partial Differential Equations</i> , 2017, 33, 1859-1883.	2.0	2
68	Optimal Superconvergence of Energy Conserving Local Discontinuous Galerkin Methods for Wave Equations. <i>Communications in Computational Physics</i> , 2017, 21, 211-236.	0.7	31
69	Superconvergence of Immersed Finite Volume Methods for One-Dimensional Interface Problems. <i>Journal of Scientific Computing</i> , 2017, 73, 543-565.	1.1	14
70	Ultraconvergence of high order FEMs for elliptic problems with variable coefficients. <i>Numerische Mathematik</i> , 2017, 136, 215-248.	0.9	11
71	Superconvergence of the direct discontinuous Galerkin method for convection-diffusion equations. <i>Numerical Methods for Partial Differential Equations</i> , 2017, 33, 290-317.	2.0	31
72	Optimal Spectral Schemes Based on Generalized Prolate Spheroidal Wave Functions of Order $1 \leq l \leq \infty$. <i>Journal of Scientific Computing</i> , 2017, 70, 451-477.	1.1	4

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73	Numerical solution to a linearized time fractional KdV equation on unbounded domains. <i>Mathematics of Computation</i> , 2017, 87, 693-719.	1.1	35
74	Superconvergence of discontinuous Galerkin methods for 1-D linear hyperbolic equations with degenerate variable coefficients. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2017, 51, 2213-2235.	0.8	16
75	Mathematical and numerical analysis of the time-dependent Ginzburg-Landau equations in nonconvex polygons based on Hodge decomposition. <i>Mathematics of Computation</i> , 2016, 86, 1579-1608.	1.1	16
76	\mathcal{L}^2 superconvergence of Q_k finite elements by anisotropic mesh approximation in weighted Sobolev spaces. <i>Mathematics of Computation</i> , 2016, 86, 1693-1718.	1.1	10
77	Hessian recovery for finite element methods. <i>Mathematics of Computation</i> , 2016, 86, 1671-1692.	1.1	12
78	A Recovery Based Linear Finite Element Method For 1D Bi-Harmonic Problems. <i>Journal of Scientific Computing</i> , 2016, 68, 375-394.	1.1	4
79	Optimal Fractional Integration Preconditioning and Error Analysis of Fractional Collocation Method Using Nodal Generalized Jacobi Functions. <i>SIAM Journal on Numerical Analysis</i> , 2016, 54, 3357-3387.	1.1	23
80	Ultraconvergence of Finite Element Method by Richardson Extrapolation for Elliptic Problems with Constant Coefficients. <i>SIAM Journal on Numerical Analysis</i> , 2016, 54, 2302-2322.	1.1	12
81	A C^0 linear finite element method for two fourth-order eigenvalue problems. <i>IMA Journal of Numerical Analysis</i> , 2016, , drw051.	1.5	4
82	Polynomial preserving recovery on boundary. <i>Journal of Computational and Applied Mathematics</i> , 2016, 307, 119-133.	1.1	17
83	Superconvergence Points of Fractional Spectral Interpolation. <i>SIAM Journal of Scientific Computing</i> , 2016, 38, A598-A613.	1.3	19
84	The Highest Superconvergence of the Tri-linear Element for Schrödinger Operator with Singularity. <i>Journal of Scientific Computing</i> , 2016, 66, 1-18.	1.1	7
85	Superconvergence of Local Discontinuous Galerkin methods for one-dimensional linear parabolic equations. <i>Mathematics of Computation</i> , 2015, 85, 63-84.	1.1	29
86	On the Spectrum Computation of Non-oscillatory and Highly Oscillatory Kernel with Weak Singularity. <i>Journal of Scientific Computing</i> , 2015, 63, 1-22.	1.1	1
87	A new adaptive mixed finite element method based on residual type a posteriori error estimates for the Stokes eigenvalue problem. <i>Numerical Methods for Partial Differential Equations</i> , 2015, 31, 31-53.	2.0	14
88	Convergence of a p-version/hp-version method for fractional differential equations. <i>Journal of Computational Physics</i> , 2015, 286, 118-127.	1.9	4
89	Gradient Recovery for the Crouzeix-Raviart Element. <i>Journal of Scientific Computing</i> , 2015, 64, 456-476.	1.1	15
90	Vertex-centered finite volume schemes of any order over quadrilateral meshes for elliptic boundary value problems. <i>Numerische Mathematik</i> , 2015, 130, 363-393.	0.9	54

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91	A Robust Residual-Type a Posteriori Error Estimator for Convection-Diffusion Equations. Journal of Scientific Computing, 2015, 65, 138-170.	1.1	9
92	Superconvergence property of an over-penalized discontinuous Galerkin finite element gradient recovery method. Journal of Computational Physics, 2015, 299, 1004-1020.	1.9	5
93	Polynomial preserving recovery of an over-penalized symmetric interior penalty Galerkin method for elliptic problems. Discrete and Continuous Dynamical Systems - Series B, 2015, 20, 1405-1426.	0.5	5
94	How Many Numerical Eigenvalues Can We Trust?. Journal of Scientific Computing, 2015, 65, 455-466.	1.1	23
95	A new approach for numerical simulation of the time-dependent Ginzburg-Landau equations. Journal of Computational Physics, 2015, 303, 238-250.	1.9	30
96	Is 2k-Conjecture Valid for Finite Volume Methods?. SIAM Journal on Numerical Analysis, 2015, 53, 942-962.	1.1	21
97	Superconvergence of Discontinuous Galerkin Methods for Two-Dimensional Hyperbolic Equations. SIAM Journal on Numerical Analysis, 2015, 53, 1651-1671.	1.1	45
98	Point-wise and cell average error estimates of the DG and LDG methods for 1D hyperbolic and parabolic equations. Scientia Sinica Mathematica, 2015, 45, 1115-1132.	0.1	3
99	Superconvergence of Discontinuous Galerkin Methods for Linear Hyperbolic Equations. SIAM Journal on Numerical Analysis, 2014, 52, 2555-2573.	1.1	59
100	Spectral Collocation Methods for Differential-Algebraic Equations with Arbitrary Index. Journal of Scientific Computing, 2014, 58, 499-516.	1.1	2
101	A Family of Finite Volume Schemes of Arbitrary Order on Rectangular Meshes. Journal of Scientific Computing, 2014, 58, 308-330.	1.1	21
102	Space-time discontinuous galerkin method for maxwell equations in dispersive media. Acta Mathematica Scientia, 2014, 34, 1357-1376.	0.5	7
103	Superconvergence of Jacobi-Gauss-Type Spectral Interpolation. Journal of Scientific Computing, 2014, 59, 667-687.	1.1	18
104	On hp-convergence of prolate spheroidal wave functions and a new well-conditioned prolate-collocation scheme. Journal of Computational Physics, 2014, 268, 377-398.	1.9	16
105	Superconvergence of conforming finite element for fourth-order singularly perturbed problems of reaction diffusion type in 1D. Numerical Methods for Partial Differential Equations, 2014, 30, 550-566.	2.0	9
106	Analysis of ap-version finite volume method for 1D elliptic problems. Journal of Computational and Applied Mathematics, 2014, 265, 17-32.	1.1	0
107	Convergence analysis of the LDG method applied to singularly perturbed problems. Numerical Methods for Partial Differential Equations, 2013, 29, 396-421.	2.0	10
108	Superconvergence of Any Order Finite Volume Schemes for 1D General Elliptic Equations. Journal of Scientific Computing, 2013, 56, 566-590.	1.1	27

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109	Some recent advances on vertex centered finite volume element methods for elliptic equations. <i>Science China Mathematics</i> , 2013, 56, 2507-2522.	0.8	11
110	Pointwise Error Estimates for the LDG Method Applied to 1-d Singularly Perturbed Reaction-Diffusion Problems. <i>Computational Methods in Applied Mathematics</i> , 2013, 13, 79-94.	0.4	6
111	A spectral collocation method for eigenvalue problems of compact integral operators. <i>Journal of Integral Equations and Applications</i> , 2013, 25, .	0.2	2
112	Space-Time Discontinuous Galerkin Method for Maxwell's Equations. <i>Communications in Computational Physics</i> , 2013, 14, 916-939.	0.7	10
113	Function Value Recovery and Its Application in Eigenvalue Problems. <i>SIAM Journal on Numerical Analysis</i> , 2012, 50, 272-286.	1.1	24
114	Superconvergence Points of Polynomial Spectral Interpolation. <i>SIAM Journal on Numerical Analysis</i> , 2012, 50, 2966-2985.	1.1	28
115	Convergence analysis for least-squares finite element approximations of second-order two-point boundary value problems. <i>Journal of Computational and Applied Mathematics</i> , 2012, 236, 4436-4447.	1.1	5
116	Locking-Free Optimal Discontinuous Galerkin Methods for a Naghdi-Type Arch Model. <i>Journal of Scientific Computing</i> , 2012, 52, 49-84.	1.1	3
117	Polynomial preserving recovery for quadratic elements on anisotropic meshes. <i>Numerical Methods for Partial Differential Equations</i> , 2012, 28, 966-983.	2.0	4
118	Nodal Superconvergence of SDFEM for Singularly Perturbed Problems. <i>Journal of Scientific Computing</i> , 2012, 50, 405-433.	1.1	12
119	Convergence analysis of the LDG method for singularly perturbed two-point boundary value problems. <i>Communications in Mathematical Sciences</i> , 2011, 9, 1013-1032.	0.5	18
120	Uniform superconvergence analysis of the discontinuous Galerkin method for a singularly perturbed problem in 1-D. <i>Mathematics of Computation</i> , 2010, 79, 35-35.	1.1	46
121	Eigenvalue approximation from below using non-conforming finite elements. <i>Science China Mathematics</i> , 2010, 53, 137-150.	0.8	60
122	Error analysis of a discontinuous Galerkin method for Maxwell equations in dispersive media. <i>Journal of Computational Physics</i> , 2010, 229, 8552-8563.	1.9	49
123	Enhancing eigenvalue approximation by gradient recovery on adaptive meshes. <i>IMA Journal of Numerical Analysis</i> , 2009, 29, 1008-1022.	1.5	21
124	Numerical study of natural superconvergence in least-squares finite element methods for elliptic problems. <i>Applications of Mathematics</i> , 2009, 54, 251-266.	0.9	3
125	Superconvergence of Discontinuous Galerkin Methods for Convection-Diffusion Problems. <i>Journal of Scientific Computing</i> , 2009, 41, 70-93.	1.1	25
126	Superconvergence of a Chebyshev Spectral Collocation Method. <i>Journal of Scientific Computing</i> , 2008, 34, 237-246.	1.1	21

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127	Polynomial preserving recovery for meshes from Delaunay triangulation or with high aspect ratio. Numerical Methods for Partial Differential Equations, 2008, 24, 960-971.	2.0	13
128	Numerical Solutions for Stochastic Differential Games With Regime Switching. IEEE Transactions on Automatic Control, 2008, 53, 509-521.	3.6	23
129	Natural Superconvergence Points in Three-Dimensional Finite Elements. SIAM Journal on Numerical Analysis, 2008, 46, 1281-1297.	1.1	35
130	Can We Have Superconvergent Gradient Recovery Under Adaptive Meshes?. SIAM Journal on Numerical Analysis, 2007, 45, 1701-1722.	1.1	42
131	Enhancing Eigenvalue Approximation by Gradient Recovery. SIAM Journal of Scientific Computing, 2006, 28, 1289-1300.	1.3	31
132	Superconvergence of spectral collocation and p -version methods in one dimensional problems. Mathematics of Computation, 2005, 74, 1621-1637.	1.1	27
133	A New Finite Element Gradient Recovery Method: Superconvergence Property. SIAM Journal of Scientific Computing, 2005, 26, 1192-1213.	1.3	217
134	Validation of the a posteriori error estimator based on polynomial preserving recovery for linear elements. International Journal for Numerical Methods in Engineering, 2004, 61, 1860-1893.	1.5	9
135	Natural superconvergent points of triangular finite elements. Numerical Methods for Partial Differential Equations, 2004, 20, 864-906.	2.0	9
136	A Posteriori Error Estimates Based on the Polynomial Preserving Recovery. SIAM Journal on Numerical Analysis, 2004, 42, 1780-1800.	1.1	115
137	Ultraconvergence of ZZ patch recovery at mesh symmetry points. Numerische Mathematik, 2003, 95, 781-801.	0.9	22
138	Analysis of recovery type a posteriori error estimators for mildly structured grids. Mathematics of Computation, 2003, 73, 1139-1153.	1.1	144
139	Finite element superconvergence on Shishkin mesh for 2-D convection-diffusion problems. Mathematics of Computation, 2003, 72, 1147-1178.	1.1	94
140	Finite element superconvergence approximation for one-dimensional singularly perturbed problems. Numerical Methods for Partial Differential Equations, 2002, 18, 374-395.	2.0	49
141	Recovery type a posteriori error estimates in finite element methods. Korean Journal of Computational and Applied Mathematics, 2001, 8, 235.	0.2	5
142	A Posteriori Error Estimates on Irregular Grids Based on Gradient Recovery. Advances in Computational Mathematics, 2001, 15, 363-374.	0.8	12
143	Derivative superconvergent points in finite element solutions of harmonic functions— A theoretical justification. Mathematics of Computation, 2001, 71, 1421-1431.	1.1	11
144	Nonconforming, Enhanced Strain, and Mixed Finite Element Methods – A Unified Approach. Lecture Notes in Computational Science and Engineering, 2000, , 465-470.	0.1	0

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145	Ultraconvergence of the patch recovery technique II. <i>Mathematics of Computation</i> , 1999, 69, 141-159.	1.1	58
146	The relationship of some a posteriori estimators. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1999, 176, 463-475.	3.4	12
147	Analysis of a class of superconvergence patch recovery techniques for linear and bilinear finite elements. <i>Numerical Methods for Partial Differential Equations</i> , 1999, 15, 151-167.	2.0	61
148	Superconvergence in the projected-shear plate-bending finite element method. <i>Numerical Methods for Partial Differential Equations</i> , 1998, 14, 367-386.	2.0	3
149	The partition of unity method for the elastically supported beam. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1998, 152, 1-18.	3.4	25
150	Analysis of the superconvergent patch recovery technique and a posteriori error estimator in the finite element method (II). <i>Computer Methods in Applied Mechanics and Engineering</i> , 1998, 163, 159-170.	3.4	47
151	The relationship of some a posteriori error estimators. <i>Studies in Applied Mechanics</i> , 1998, 47, 25-42.	0.4	6
152	Derivative superconvergent points in finite element solutions of Poisson's equation for the serendipity and intermediate families - a theoretical justification. <i>Mathematics of Computation</i> , 1998, 67, 541-553.	1.1	16
153	Analysis of Some Quadrilateral Nonconforming Elements for Incompressible Elasticity. <i>SIAM Journal on Numerical Analysis</i> , 1997, 34, 640-663.	1.1	64
154	Splines and Linear Control Theory. <i>Acta Applicandae Mathematicae</i> , 1997, 49, 1-34.	0.5	52
155	Ultraconvergence of the patch recovery technique. <i>Mathematics of Computation</i> , 1996, 65, 1431-1437.	1.1	42
156	Mathematical analysis of Zienkiewicz's Zhu's derivative patch recovery technique. <i>Numerical Methods for Partial Differential Equations</i> , 1996, 12, 507-524.	2.0	31
157	Derivative superconvergence of rectangular finite elements for the Reissner-Mindlin plate. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1996, 134, 1-16.	3.4	9
158	Locking and robustness in the finite element method for circular arch problem. <i>Numerische Mathematik</i> , 1995, 69, 509-522.	0.9	11
159	Analysis of the superconvergent patch recovery technique and a posteriori error estimator in the finite element method (I). <i>Computer Methods in Applied Mechanics and Engineering</i> , 1995, 123, 173-187.	3.4	42
160	Wilson's element for the Reissner-Mindlin plate. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1994, 113, 55-65.	3.4	21
161	A note on the hybrid-mixed curved beam elements. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1992, 95, 243-252.	3.4	8
162	Arch beam models: finite element analysis and superconvergence. <i>Numerische Mathematik</i> , 1992, 61, 117-143.	0.9	9

#	ARTICLE	IF	CITATIONS
163	Preface to Focused Issue on Discontinuous Galerkin Methods. Communications on Applied Mathematics and Computation, 0, , 1.	0.7	0
164	Spurious solutions for high-order curl problems. IMA Journal of Numerical Analysis, 0, , .	1.5	1