CITATION REPORT List of articles citing

Numerical solution of problems on unbounded domains. A review

DOI: 10.1016/s0168-9274(98)00025-7 Applied Numerical Mathematics, 1998, 27, 465-532.

Source: https://exaly.com/paper-pdf/29177903/citation-report.pdf

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
469	Nonreflecting boundary conditions for Euler equation calculations. 1990 , 28, 2050-2058		547
468	Improved Treatment of External Boundary Conditions for Three-Dimensional Flow Computations. 1998 , 36, 1998-2004		9
467	Radiation boundary conditions for the numerical simulation of waves. 1999 , 8, 47-106		250
466	Well-posed Perfectly Matched Layers for Advective Acoustics. <i>Journal of Computational Physics</i> , 1999 , 154, 266-283	4.1	99
465	Global artificial boundary conditions for computation of external flow problems with propulsive jets. 1999 ,		
464	Computation of transient radiation in semi-infinite regions based on exact nonreflecting boundary conditions and mixed time integration. 1999 , 106, 3095-3108		11
463	External Boundary Conditions for Three-Dimensional Problems of Computational Aerodynamics. 1999 , 21, 166-206		14
462	Analytical solutions to the GradBhafranov equation for tokamak equilibrium with dissimilar source functions. 1999 , 6, 3554-3560		116
461	Acoustic saturation in bubbly cavitating flow adjacent to an oscillating wall. 2000 , 12, 2752		25
460	Accurate radiation boundary conditions for the time-dependent wave equation on unbounded domains. 2000 , 47, 1569-1603		43
459	Discretely Nonreflecting Boundary Conditions for Linear Hyperbolic Systems. <i>Journal of Computational Physics</i> , 2000 , 157, 500-538	4.1	56
458	Nonreflecting Boundary Conditions for Elastodynamic Scattering. <i>Journal of Computational Physics</i> , 2000 , 161, 331-353	4.1	26
457	A generalized methodology based on higher-order conventional and non-standard FDTD concepts for the systematic development of enhanced dispersionless wide-angle absorbing perfectly matched layers. 2000 , 13, 417-440		28
456	Numerical dispersion and absorbing boundary conditions. 2000 , 13, 483-498		4
455	Computation of far-field solutions based on exact nonreflecting boundary conditions for the time-dependent wave equation. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2000 , 190, 1551-1577	5.7	11
454	The Green∄ function of the mild-slope equation:. 2000 , 32, 339-361		7
453	Nonreflecting time-dependent boundary conditions on artificial boundaries of varying location and shape. <i>Applied Numerical Mathematics</i> , 2000 , 33, 481-492	2.5	7

(2002-2000)

Exact Nonreflecting Boundary Condition For Elastic Waves. <i>SIAM Journal on Applied Mathematics</i> , 2000 , 60, 803-819	1.8	53	
Reflectionless Sponge Layers as Absorbing Boundary Conditions for the Numerical Solution of Maxwell Equations in Rectangular, Cylindrical, and Spherical Coordinates. <i>SIAM Journal on Applied Mathematics</i> , 2000 , 60, 1037-1058	1.8	75	
Global Artificial Boundary Conditions for Computation of External Flows with Jets. 2000, 38, 2014-202	2	5	
OPTIMAL LOCAL NONREFLECTING BOUNDARY CONDITIONS FOR TIME-DEPENDENT WAVES. 2000 , 08, 157-170		3	
Generalized Characteristic Boundary Conditions for Computational Aeroacoustics. 2000 , 38, 2040-2049)	190	
Active Shielding and Control of Noise. SIAM Journal on Applied Mathematics, 2001, 62, 563-596	1.8	39	
Long-time numerical computation of wave-type solutions driven by moving sources. <i>Applied Numerical Mathematics</i> , 2001 , 38, 187-222	2.5	14	
Exact linear far-field conditions for three-dimensional aerodynamic stationary transonic flows. 2001 , 136, 317-335		1	
A coupled-mode model for the refraction diffraction of linear waves over steep three-dimensional bathymetry. 2001 , 23, 319-336		53	
Accurate radiation boundary conditions for the two-dimensional wave equation on unbounded domains. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2001 , 191, 311-351	5.7	24	
High-Order Nonreflecting Boundary Conditions without High-Order Derivatives. <i>Journal of Computational Physics</i> , 2001 , 170, 849-870	4.1	50	
Transparent Boundary Conditions for MHD Simulations in Stratified Atmospheres. <i>Journal of Computational Physics</i> , 2001 , 171, 448-478	4.1	17	
High-Order Two-Way Artificial Boundary Conditions for Nonlinear Wave Propagation with Backscattering. <i>Journal of Computational Physics</i> , 2001 , 171, 632-677	4.1	27	
Global Discrete Artificial Boundary Conditions for Time-Dependent Wave Propagation. <i>Journal of Computational Physics</i> , 2001 , 174, 712-758	4.1	33	
A finite elementBoundary element method for advectionBiffusion problems with variable advective fields and infinite domains. 2001 , 44, 2183-2191		5	
A Step toward Transparent Boundary Conditions for Meteorological Models. 2002 , 130, 140-151		25	
A Vortex Particle Method for Two-Dimensional Compressible Flow. <i>Journal of Computational Physics</i> , 2002 , 179, 371-399	4.1	56	
Asymmetric Perfectly Matched Layer for the Absorption of Waves. <i>Journal of Computational Physics</i> , 2002 , 183, 367-399	4.1	14	
	Reflectionless Sponge Layers as Absorbing Boundary Conditions for the Numerical Solution of Maxwell Equations in Rectangular, Cylindrical, and Spherical Coordinates. SIAM Journal on Applied Mathematics, 2000, 60, 1037-1058 Global Artificial Boundary Conditions for Computation of External Flows with Jets. 2000, 38, 2014-202 OPTIMAL LOCAL NONREFLECTING BOUNDARY CONDITIONS FOR TIME-DEPENDENT WAVES. 2000, 08, 157-170 Generalized Characteristic Boundary Conditions for Computational Aeroacoustics. 2000, 38, 2040-2045 Active Shielding and Control of Noise. SIAM Journal on Applied Mathematics, 2001, 62, 563-596 Long-time numerical computation of wave-type solutions driven by moving sources. Applied Numerical Mathematics, 2001, 38, 187-222 Exact linear far-field conditions for three-dimensional aerodynamic stationary transonic flows. 2001, 136, 317-335 A coupled-mode model for the refractionfiliffraction of linear waves over steep three-dimensional bathymetry. 2001, 23, 319-336 Accurate radiation boundary conditions for the two-dimensional wave equation on unbounded domains. Computer Methods in Applied Mechanics and Engineering, 2001, 191, 311-351 High-Order Nonreflecting Boundary Conditions without High-Order Derivatives. Journal of Computational Physics, 2001, 170, 849-870 Transparent Boundary Conditions for MHD Simulations in Stratified Atmospheres. Journal of Computational Physics, 2001, 174, 712-758 A finite elementBoundary element method for advectionfiliffusion problems with variable advective fields and infinite domains. 2001, 44, 2183-2191 A Step toward Transparent Boundary Conditions for Meteorological Models. 2002, 130, 140-151 A Vortex Particle Method for Two-Dimensional Compressible Flow. Journal of Computational Physics, 2001, 174, 712-758 Asymmetric Perfectly Matched Layer for the Absorption of Waves. Journal of Computational Physics	Reflectionless Sponge Layers as Absorbing Boundary Conditions for the Numerical Solution of Maxwell Equations in Rectangular, Cylindrical, and Spherical Coordinates. SIAM Journal on Applied 1.8 Mathematics, 2000, 60, 1037-1058 Global Artificial Boundary Conditions for Computation of External Flows with Jets. 2000, 38, 2014-2022 OPTIMAL LOCAL NONREFLECTING BOUNDARY CONDITIONS FOR TIME-DEPENDENT WAVES. 2000, 88, 157-170 Generalized Characteristic Boundary Conditions for Computational Aeroacoustics. 2000, 38, 2040-2049 Active Shielding and Control of Noise. SIAM Journal on Applied Mathematics, 2001, 62, 563-596 Long-time numerical computation of wave-type solutions driven by moving sources. Applied Numerical Mathematics, 2001, 38, 187-222 Exact linear far-field conditions for three-dimensional aerodynamic stationary transonic flows. 2001, 136, 317-335 A coupled-mode model for the refractionBiffraction of linear waves over steep three-dimensional bathymetry. 2001, 23, 319-336 Accurate radiation boundary conditions for the two-dimensional wave equation on unbounded domains. Computer Methods in Applied Mechanics and Engineering, 2001, 191, 311-351 Figh-Order Nonreflecting Boundary Conditions without High-Order Derivatives. Journal of Computational Physics, 2001, 170, 849-870 Transparent Boundary Conditions for MHD Simulations in Stratified Atmospheres. Journal of Computational Physics, 2001, 171, 448-478 High-Order Two-Way Artificial Boundary Conditions for Nonlinear Wave Propagation. Journal of Computational Physics, 2001, 174, 412-758 A finite elementBoundary element method for advectionEliffusion problems with variable advective fields and infinite domains. 2001, 44, 2183-2191 A Step toward Transparent Boundary Conditions for Meteorological Models. 2002, 130, 140-151 A Vortex Particle Method for Two-Dimensional Compressible Flow. Journal of Computational Physics, 2002, 179, 371-399 Asymmetric Perfectly Matched Layer for the Absorption of Waves. Journal of Computational Physics	Reflectionless Sponge Layers as Absorbing Boundary Conditions for the Numerical Solution of Maxwell Equations in Rectangular, Cylindrical, and Spherical Coordinates. SIAM Journal on Applied Naxwell Equations in Rectangular, Cylindrical, and Spherical Coordinates. SIAM Journal on Applied Naxwell Equations in Rectangular, Cylindrical, and Spherical Coordinates. SIAM Journal on Applied Naxwell Equations in Rectangular, Cylindrical, and Spherical Coordinates. SIAM Journal on Applied Nathematics, 2000, 38, 2014-2022 5 OPTIMAL LOCAL NONREFLECTING BOUNDARY CONDITIONS FOR TIME-DEPENDENT WAVES. 2000, 38, 2040-2049 190 Active Shielding and Control of Noise. SIAM Journal on Applied Mathematics, 2001, 62, 563-596 1.8 39 Long-time numerical computation of wave-type solutions driven by moving sources. Applied Numerical Mathematics, 2001, 38, 187-222 2.5 14 Exact linear far-field conditions for three-dimensional aerodynamic stationary transonic flows. 2001, 136, 317-335 A coupled-mode model for the refractionBiffraction of linear waves over steep three-dimensional bathymetry. 2001, 23, 319-336 5.3 Accurate radiation boundary conditions for the two-dimensional wave equation on unbounded domains. Computer Methods in Applied Mechanics and Engineering, 2001, 191, 311-351 5.7 High-Order Nonreflecting Boundary Conditions without High-Order Derivatives. Journal of Computational Physics, 2001, 170, 849-870 4.1 17 Global Discrete Artificial Boundary Conditions for Nonlinear Wave Propagation with Backscattering. Journal of Computational Physics, 2001, 174, 48-478 5.5 A finite elementboundary element method for advectionBiffusion problems with variable advective fields and infinite domains. 2001, 44, 2183-2191 5.5 A Vortex Particle Method for Two-Dimensional Compressible Flow. Journal of Computational Physics. 3001, 179, 371-399 Asymmetric Perfectly Matched Layer for the Absorption of Waves. Journal of Computational Physics.

434	An optimal high-order non-reflecting finite element scheme for wave scattering problems. 2002 , 53, 2389-2411		19
433	An algorithm coupling the OSRC and FEM for the computation of an approximate scattered acoustic field by a non-convex body. 2002 , 54, 1021-1041		7
432	Non-reflecting boundary conditions for the two-dimensional Schrdinger equation. 2002, 35, 181-188		32
431	Nonreflecting boundary condition for the wave equation. 2002 , 138, 309-323		3
430	Discrete artificial boundary conditions for transient scalar wave propagation in a 2D unbounded layered media. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2002 , 191, 3055-3071	5.7	6
429	On the combined performance of nonlocal artificial boundary conditions with the new generation of advanced multigrid flow solvers. 2002 , 31, 269-308		5
428	Long Time Behavior of the Perfectly Matched Layer Equations in Computational Electromagnetics. 2002 , 17, 405-422		85
427	Computation of Nonlinear Backscattering Using a High-Order Numerical Method. 2002 , 17, 351-364		8
426	Transparent Boundary Conditions for Wave Propagation on Unbounded Domains. <i>Lecture Notes in Computer Science</i> , 2003 , 807-816	0.9	2
425	Non-reflecting artificial boundaries for transient scalar wave propagation in a two-dimensional infinite homogeneous layer. 2003 , 58, 1435-1456		16
424	An hp-adaptive finite element method for electromagnetics. Part 3: A three-dimensional infinite element for Maxwell's equations. 2003 , 57, 899-921		30
423	Finite element analysis of time-dependent semi-infinite wave-guides with high-order boundary treatment. 2003 , 58, 1955-1983		36
422	Transient elastic wave propagation in an infinite Timoshenko beam on viscoelastic foundation. 2003 , 40, 3211-3228		9
421	Accurate numerical methods for micromagnetics simulations with general geometries. <i>Journal of Computational Physics</i> , 2003 , 184, 37-52	4.1	49
420	High-order non-reflecting boundary scheme for time-dependent waves. <i>Journal of Computational Physics</i> , 2003 , 186, 24-46	4.1	154
419	Artificial boundary conditions for the numerical simulation of unsteady acoustic waves. <i>Journal of Computational Physics</i> , 2003 , 189, 626-650	4.1	18
418	Numerical boundary conditions for sound scattering simulation. <i>Journal of Computational Physics</i> , 2003 , 190, 64-99	4.1	8
417	Exact boundary condition for time-dependent wave equation based on boundary integral. <i>Journal of Computational Physics</i> , 2003 , 190, 398-418	4.1	25

Numerical modeling of multi-directional irregular waves incorporating 2-D numerical wave 416 9 absorber and subgrid turbulence. 2003, 30, 23-46 Perfectly matched layers for time-harmonic elastodynamics of unbounded domains: theory and 415 finite-element implementation. Computer Methods in Applied Mechanics and Engineering, 2003, 192, 133 $7\overline{21}$ 375220High-order non-reflecting boundary conditions for dispersive waves. 2003, 37, 257-271 414 47 Transparent boundary conditions for the shallow water equations with a mixed finite element 2.5 413 formulation. Applied Numerical Mathematics, 2003, 44, 109-138 High-order nonreflecting boundary conditions for the dispersive shallow water equations. 2003, 412 20 158, 49-60 Analysis of extrapolation boundary conditions for the linearized Euler equations. Applied Numerical 2.5 Mathematics, 2003, 44, 95-108 Backscattering and Nonparaxiality Arrest Collapse of Damped Nonlinear Waves. SIAM Journal on 1.8 410 10 Applied Mathematics, 2003, 63, 1718-1736 Optimization of Acoustic Source Strength in the Problems of Active Noise Control. SIAM Journal on 1.8 409 25 Applied Mathematics, 2003, 63, 1141-1183 High-order Non-reflecting Boundary Conditions for Dispersive Waves in Cartesian, Cylindrical and 408 10 Spherical Coordinate Systems. 2003, 17, 263-274 Second-Order Radiation Boundary Condition for Water Wave Simulation with Large Angle 407 Incidence. 2003, 129, 1429-1438 Construction of local boundary conditions for an eigenvalue problem using micro-local analysis: 4.1 406 3 application to optical waveguide problems. Journal of Computational Physics, 2004, 193, 666-696 Schwarz alternating method based on natural boundary reduction for time-dependent problems on 405 unbounded domains. **2004**, 20, 363-378 Artificial boundary conditions for Petrovsky systems of second order in exterior domains and in 404 3 other domains of conical type. 2004, 27, 1507-1544 High-order local non-reflecting boundary conditions: a review. 2004, 39, 319-326 338 A new auxiliary variable formulation of high-order local radiation boundary conditions: corner 402 129 compatibility conditions and extensions to first-order systems. 2004, 39, 327-338 Exact non-reflecting boundary conditions on general domains. Journal of Computational Physics, 401 4.1 33 **2004**, 194, 278-303 On the application of lacunae-based methods to Maxwell's equations. Journal of Computational 400 4.1 10 Physics, 2004, 199, 126-149 Dirichlet-to-Neumann boundary condition for time-dependent dispersive waves in 399 11 4.1 three-dimensional guides. Journal of Computational Physics, 2004, 199, 339-354

398	Computational aeroacoustics: progress on nonlinear problems of sound generation. 2004 , 40, 345-416		347
397	Local absorbing boundaries of elliptical shape for scalar wave propagation in a half-plane. 2004 , 40, 2063	3-208	4 6
396	Local absorbing boundaries of elliptical shape for scalar waves. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2004 , 193, 4979-5015	5.7	10
395	A stratified dispersive wave model withhigh-order nonreflecting boundary conditions. <i>Computers and Mathematics With Applications</i> , 2004 , 48, 1167-1180	2.7	6
394	MODELINGARTIFICIALBOUNDARYCONDITIONS FORCOMPRESSIBLEFLOW. 2004 , 36, 315-345		218
393	Radiation and Wall Boundary Conditions for Computational Aeroacoustics: A Review. 2004 , 18, 523-531		17
392	Impedance of Open Spaces. 2004 ,		
391	Absorbing Boundary Conditions for a Linear Hyperbolic System with Uniformly Characteristic Boundary. 2004 ,		
390	A Perfectly Matched Layer Approach to the Linearized Shallow Water Equations Models. 2004 , 132, 1369	9-137	845
389	Absorbing Boundary Conditions. 2004 , 18, 513-522		54
389	Absorbing Boundary Conditions. 2004, 18, 513-522 Actual Impedance of Nonreflecting Boundary Conditions: Implications for Computation of Resonators. 2004, 42, 958-964		54 124
	Actual Impedance of Nonreflecting Boundary Conditions: Implications for Computation of		
388	Actual Impedance of Nonreflecting Boundary Conditions: Implications for Computation of Resonators. 2004, 42, 958-964 An improved matching method to solve the diffraction adiation problem of a ship moving in waves. 2004, 218, 139-152 Numerical solution of the nonlinear Helmholtz equation using poporthogonal expansions. Journal	4.1	124
388 387	Actual Impedance of Nonreflecting Boundary Conditions: Implications for Computation of Resonators. 2004, 42, 958-964 An improved matching method to solve the diffraction adiation problem of a ship moving in waves. 2004, 218, 139-152 Numerical solution of the nonlinear Helmholtz equation using nonorthogonal expansions. <i>Journal</i>	4.1	124
388 387 386	Actual Impedance of Nonreflecting Boundary Conditions: Implications for Computation of Resonators. 2004, 42, 958-964 An improved matching method to solve the diffraction adiation problem of a ship moving in waves. 2004, 218, 139-152 Numerical solution of the nonlinear Helmholtz equation using nonorthogonal expansions. Journal of Computational Physics, 2005, 210, 183-224 The normal flux method at the boundary for multidimensional finite volume approximations in		124 1 28
388 387 386 385	Actual Impedance of Nonreflecting Boundary Conditions: Implications for Computation of Resonators. 2004, 42, 958-964 An improved matching method to solve the diffraction adiation problem of a ship moving in waves. 2004, 218, 139-152 Numerical solution of the nonlinear Helmholtz equation using nonorthogonal expansions. <i>Journal of Computational Physics</i> , 2005, 210, 183-224 The normal flux method at the boundary for multidimensional finite volume approximations in CFD. 2005, 24, 1-17 Splitting as an approach to constructing local exact artificial boundary conditions. 2005, 170, 1209-1242 A finite element method for the analysis of radiation and scattering of electromagnetic waves on		124 1 28 26
388 387 386 385 384	Actual Impedance of Nonreflecting Boundary Conditions: Implications for Computation of Resonators. 2004, 42, 958-964 An improved matching method to solve the diffraction adiation problem of a ship moving in waves. 2004, 218, 139-152 Numerical solution of the nonlinear Helmholtz equation using nonorthogonal expansions. <i>Journal of Computational Physics</i> , 2005, 210, 183-224 The normal flux method at the boundary for multidimensional finite volume approximations in CFD. 2005, 24, 1-17 Splitting as an approach to constructing local exact artificial boundary conditions. 2005, 170, 1209-1242 A finite element method for the analysis of radiation and scattering of electromagnetic waves on complex environments. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2005, 194, 637-655 Quadratic optimization in the problems of active control of sound. <i>Applied Numerical Mathematics</i> .		124 1 28 26

380	Computable scalar fields: A basis for PDE software. 2005 , 65, 36-49		6
379	High-order Higdon-like boundary conditions for exterior transient wave problems. 2005 , 63, 1041-1068		27
378	Numerical accuracy of a Padttype non-reflecting boundary condition for the finite element solution of acoustic scattering problems at high-frequency. 2005 , 64, 1275-1302		25
377	The control-theory-based artificial boundary conditions for time-dependent wave guide problems in unbounded domain. 2005 , 21, 691-700		4
376	Improved boundary conditions for the direct numerical simulation of turbulent subsonic flows. I. Inviscid flows. <i>Journal of Computational Physics</i> , 2005 , 207, 736-768	4.1	28
375	Thermoacoustic Analysis of Gas Turbine Combustion Systems Using Unsteady CFD. 2005 , 287		10
374	Adaptive space l ime finite element methods for the wave equation on unbounded domains. Computer Methods in Applied Mechanics and Engineering, 2005 , 194, 1947-2000	5.7	13
373	A New Characteristic Nonreflecting Boundary Condition for the Multidimensional Navier-Stokes Equations. 2005 ,		2
372	Farfield Boundary Conditions for 2-D Airfoils. 2005 ,		2
371	Well-Posed Boundary Conditions for the NavierStokes Equations. SIAM Journal on Numerical Analysis, 2005 , 43, 1231-1255	2.4	87
370	SCALED BOUNDARY FINITE ELEMENT METHOD FOR ACOUSTICS. 2006 , 14, 489-506		52
369	Perfectly Matched Layers for Hyperbolic Systems: General Formulation, Well-posedness, and Stability. <i>SIAM Journal on Applied Mathematics</i> , 2006 , 67, 1-23	1.8	89
368	Investigation of Nonreflective Boundary Conditions for Computational Aeroacoustics. 2006 , 44, 1932-19	40	
367	Higher Order FDTD Schemes for Waveguide and Antenna Structures. 2006 , 1, 1-226		20
366	Fast solvers for 3D Poisson equations involving interfaces in a finite or the infinite domain. 2006 , 191, 106-125		10
365	On the Hedstrom nonreflecting boundary condition for . 2006 , 197, 150-155		
364	The performance of local absorbing boundary conditions for acoustic scattering from elliptical shapes. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2006 , 195, 3622-3665	5.7	14
363	Algebraic approximation of Dirichlet-to-Neumann maps for the equations of linear elasticity. Computer Methods in Applied Mechanics and Engineering, 2006, 195, 3742-3759	5.7	30

362	Non-uniform grid accelerated localglobal boundary condition (NG-LGBC) for acoustic scattering. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2006 , 195, 3608-3621	5.7	3
361	A few new (?) facts about infinite elements. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2006 , 195, 3572-3590	5.7	12
360	A survey of finite element methods for time-harmonic acoustics. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2006 , 195, 1594-1607	5.7	119
359	An improved surface radiation condition for high-frequency acoustic scattering problems. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2006 , 195, 4060-4074	5.7	43
358	The stability and convergence of a difference scheme for the Schrödinger equation on an infinite domain by using artificial boundary conditions. <i>Journal of Computational Physics</i> , 2006 , 214, 209-223	4.1	28
357	Optimal grid-based methods for thin film micromagnetics simulations. <i>Journal of Computational Physics</i> , 2006 , 216, 637-653	4.1	14
356	High order finite difference methods for wave propagation in discontinuous media. <i>Journal of Computational Physics</i> , 2006 , 220, 249-269	4.1	39
355	A high order finite element discretization with local absorbing boundary conditions of the linear Schrdinger equation. <i>Journal of Computational Physics</i> , 2006 , 220, 409-421	4.1	10
354	The stability and convergence of an explicit difference scheme for the Schrdinger equation on an infinite domain by using artificial boundary conditions. <i>Journal of Computational Physics</i> , 2006 , 219, 879	- 8 98	6
353	Approximate open boundary conditions for a class of hyperbolic equations. 2006 , 46, 1007-1022		
352	Dynamic solution of unbounded domains using finite element method: discrete Green's functions in frequency domain. 2006 , 67, 1491-1530		22
351	Transient analysis of wave propagation in non-homogeneous elastic unbounded domains by using the scaled boundary finite-element method. 2006 , 35, 1787-1806		30
350	Hybrid-Trefftz Finite Element Models for Bounded and Unbounded Elastodynamic Problems. 2006 , 400	-400	
349	A BICHARACTERISTICS METHOD FOR ADAPTIVE MODELING OF TRANSIENT WAVE PROPAGATION IN UNBOUNDED ACOUSTIC MEDIA. 2007 , 04, 195-221		4
348	Wave Propagation in Infinite Domains. 2007,		
347	Weak Lacunae of Electromagnetic Waves in Dilute Plasma. <i>SIAM Journal on Applied Mathematics</i> , 2007 , 67, 1548-1581	1.8	3
346	Numerical Solution to the Sine-Gordon Equation Defined on the Whole Real Axis. 2007 , 29, 2494-2506		28
345	Numerical solution of the heat equation with nonlinear boundary conditions in unbounded domains. 2007 , 23, 379-399		1

(2008-2007)

3	344	On splitting-based mass and total energy conserving arbitrary order shallow-water schemes. 2007 , 23, 534-552	7	
3	343	Improving the performance of perfectly matched layers by means of hp-adaptivity. 2007 , 23, 832-858	41	
3	342	Application of high-order Higdon non-reflecting boundary conditions to linear shallow water models. 2007 , 24, 1459-1466	13	
3	341	The reduced scalar potential in regions with permeable materials: Reasons for loss of accuracy and cancellation. 2007 , 20, 163-180	1	
3	340	Construction of a probabilistic model for impedance matrices. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2007 , 196, 2252-2268	33	
3	339	An implicit compact scheme solver for two-dimensional multicomponent flows. 2007 , 36, 376-397	10	
3	338	High-order numerical solution of the nonlinear Helmholtz equation with axial symmetry. 2007 , 204, 477-492	5	
3	337	Analytical and numerical investigation of the performance of the BGT2 condition for low-frequency acoustic scattering problems. 2007 , 204, 526-536	1	
3	336	Emapping algorithm coupled with WENO reconstruction for nonlinear elasticity in heterogeneous media. <i>Applied Numerical Mathematics</i> , 2007 , 57, 103-116	6	
3	335	Nonreflecting boundary condition for time-dependent multiple scattering. <i>Journal of Computational Physics</i> , 2007 , 221, 41-62	25	
3	334	Adaptive absorbing boundary conditions for Schrdinger-type equations: Application to nonlinear and multi-dimensional problems. <i>Journal of Computational Physics</i> , 2007 , 225, 1577-1589 4.1	38	
3	333	High-order numerical method for the nonlinear Helmholtz equation with material discontinuities in one space dimension. <i>Journal of Computational Physics</i> , 2007 , 227, 820-850	17	
3	332	Multifrequency microwave-induced thermal acoustic imaging for breast cancer detection. 2007 , 54, 2000-10	37	
3	331	On the stability of the Escheme with transparent boundary conditions for parabolic equations. 2007 , 47, 644-663		
3	330	A Finite Difference Method and Analysis for 2D Nonlinear Poisson B oltzmann Equations. 2007 , 30, 61-81	8	
3	329	Stability of a finite element method for 3D exterior stationary Navier-Stokes flows. 2007 , 52, 59-94	3	
3	328	A perfectly matched layer approach to the nonlinear Schridinger wave equations. <i>Journal of Computational Physics</i> , 2007 , 227, 537-556	75	
3	327	Robin-type wall functions and their numerical implementation. <i>Applied Numerical Mathematics</i> , 2.5	28	

326	Exact artificial boundary conditions for problems with periodic structures. <i>Journal of Computational Physics</i> , 2008 , 227, 6877-6894	4.1	11
325	Perfectly matched layers in 1-d: energy decay for continuous and semi-discrete waves. 2008, 109, 597-	634	15
324	Riemann invariant manifolds for performance evaluation of absorbing boundary conditions for an acoustic waveguide. 2008 , 12, 245-257		1
323	A continued-fraction-based high-order transmitting boundary for wave propagation in unbounded domains of arbitrary geometry. 2008 , 74, 209-237		95
322	Lacunae based stabilization of PMLs. Journal of Computational Physics, 2008, 227, 7322-7345	4.1	10
321	Stable and accurate wave-propagation in discontinuous media. <i>Journal of Computational Physics</i> , 2008 , 227, 8753-8767	4.1	50
320	Compensated optimal grids for elliptic boundary-value problems. <i>Journal of Computational Physics</i> , 2008 , 227, 8622-8635	4.1	3
319	Dynamics of steps along a martensitic phase boundary II: Numerical simulations. 2008 , 56, 521-541		8
318	Dynamic boundary conditions in computational fluid dynamics. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2008 , 197, 1219-1232	5.7	12
317	Discrete transparent boundary conditions for Schrdinger-type equations for non-compactly supported initial data. <i>Applied Numerical Mathematics</i> , 2008 , 58, 660-673	2.5	23
316	Impedance Boundary Condition for Truncated Open Spaces. 2008, 46, 1432-1441		2
315	A Comparison of Three PML Treatments for CAA (and CFD). 2008,		2
314	A pretty good sponge: Dealing with open boundaries in limited-area ocean models. 2008 , 20, 270-292		47
313	Inverse barotropic tidal estimation for regional ocean applications. 2008, 25, 17-34		40
312	Unified approach to split absorbing boundary conditions for nonlinear Schrdinger equations. 2008 , 78, 026709		40
311	Transparent Boundary Conditions for Time-Dependent Problems. 2008, 30, 2358-2385		13
310	Nonlinear Shallow Water Equation Modeling for Coastal Engineering. 2008, 134, 104-120		61
309	Hemodynamical Flows. 2008,		3

(2010-2009)

308	An assessment of the domain reduction method as an advanced boundary condition and some pitfalls in the use of conventional absorbing boundaries. 2009 , 33, 309-330		18
307	Explicit finite element perfectly matched layer for transient three-dimensional elastic waves. 2009 , 77, 151-176		76
306	High-order globalEegional model interaction: Extension of Carpenter's scheme. 2009 , 77, 50-74		8
305	High-order doubly asymptotic open boundaries for scalar wave equation. 2009 , 79, 340-374		48
304	Numerical solution of the Helmholtz equation in an infinite strip by Wiener-Hopf factorization. 2009 , 26, NA-NA		
303	A high-order numerical method for the nonlinear Helmholtz equation in multidimensional layered media. <i>Journal of Computational Physics</i> , 2009 , 228, 3789-3815	4.1	13
302	Long-Time Performance of Unsplit PMLs with Explicit Second Order Schemes. 2009, 41, 1-12		15
301	Stable Boundary Treatment for the Wave Equation on Second-Order Form. 2009 , 41, 366-383		42
300	On local nonreflecting boundary conditions for time dependent wave propagation. 2009 , 30, 589-606		6
299	On the outflow conditions for spectral solution of the viscous blunt-body problem. <i>Journal of Computational Physics</i> , 2009 , 228, 3936-3972	4.1	10
298	A continued-fraction approach for transient diffusion in unbounded medium. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2009 , 198, 2576-2590	5.7	25
297	A performance study of plane wave finite element methods with a Pad£type artificial boundary condition in acoustic scattering. 2009 , 40, 738-750		7
296	A nonstationary form of the range refraction parabolic equation and its application as an artificial boundary condition for the wave equation in a waveguide. 2009 , 85, 34001		3
295	Error Control with PML/DL Treatments for CAA with Jet Flows. 2009,		
294	A General Perfectly Matched Layer Model for Hyperbolic-Parabolic Systems. 2009, 31, 3301-3323		4
293	Unified approach to split absorbing boundary conditions for nonlinear Schrdinger equations: Two-dimensional case. 2009 , 79, 046711		34
292	Artificial boundary conditions for elliptic systems on polyhedral truncation surfaces. 2010 , 4, 99-116		
291	Klein L ordon equation with advection on unbounded domains using spectral elements and high-order non-reflecting boundary conditions. 2010 , 217, 2710-2723		8

290	A novel numerical method for infinite domain potential problems. 2010 , 55, 1598-1603		25
289	A Compact Fourth Order Scheme for the Helmholtz Equation in Polar Coordinates. 2010 , 45, 26-47		32
288	Nonreflecting boundary conditions based on nonlinear multidimensional characteristics. <i>International Journal for Numerical Methods in Fluids</i> , 2010 , 62, 24-55	1.9	16
287	Comparison of high-order absorbing boundary conditions and perfectly matched layers in the frequency domain. 2010 , 26, 1351-1369		66
286	New absorbing layers conditions for short water waves. <i>Journal of Computational Physics</i> , 2010 , 229, 58-72	4.1	11
285	Coupling of Dirichlet-to-Neumann boundary condition and finite difference methods in curvilinear coordinates for multiple scattering. <i>Journal of Computational Physics</i> , 2010 , 229, 5498-5517	4.1	17
284	A local high-order doubly asymptotic open boundary for diffusion in a semi-infinite layer. <i>Journal of Computational Physics</i> , 2010 , 229, 6156-6179	4.1	23
283	Absorbing boundary conditions for scalar waves in anisotropic media. Part 2: Time-dependent modeling. <i>Journal of Computational Physics</i> , 2010 , 229, 6644-6662	4.1	20
282	Absorbing boundary conditions for scalar waves in anisotropic media. Part 1: Time harmonic modeling. <i>Journal of Computational Physics</i> , 2010 , 229, 6696-6714	4.1	24
281	A local time-domain transmitting boundary for simulating cylindrical elastic wave propagation in infinite media. <i>Soil Dynamics and Earthquake Engineering</i> , 2010 , 30, 937-946	3.5	65
280	A semi-analytical artificial boundary for time-dependent elastic wave propagation in two-dimensional homogeneous half space. <i>Soil Dynamics and Earthquake Engineering</i> , 2010 , 30, 1352-13	<i></i> €0 ⁵	7
279	A finite element alternative to infinite elements. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2010 , 199, 2204-2223	5.7	21
278	Finite element modeling of wave propagation problems in multilayered soils resting on a rigid base. <i>Computers and Geotechnics</i> , 2010 , 37, 248-257	4.4	7
277	High-order one-way model nesting in dispersive non-uniform media. 2010 , 234, 1663-1669		2
276	A spectral element solution of the Kleinfordon equation with high-order treatment of time and non-reflecting boundary. 2010 , 47, 289-298		13
275	Absorbing Boundary Conditions for Hyperbolic Systems. 2010 , 3, 295-337		12
274	On the moving boundary formulation for parabolic problems on unbounded domains. 2010 , 87, 186-198	}	7
273	A residual-potential boundary for time-dependent, infinite-domain problems in computational acoustics. 2010 , 127, 675-82		4

272	Analysis of High-Order Absorbing Boundary Conditions for the Schrdinger Equation. 2011, 10, 742-766		15	
271	Application of M-PML reflectionless boundary conditions to the numerical simulation of wave propagation in anisotropic media. Part I: Reflectivity. 2011 , 4, 271-280		13	
270	Nonreflecting boundary conditions and numerical simulation of external flows. 2011 , 51, 143-159		3	
269	Calculation of characteristics of trapped modes in T-shaped waveguides. 2011 , 51, 96-110		14	
268	Hybrid-Trefftz displacement element for poroelastic media. 2011 , 48, 659-673		17	
267	Improved Boundary Conditions for the DNS of Reacting Subsonic Flows. 2011 , 87, 351-376		2	
266	Local nonreflecting boundary condition for time-dependent multiple scattering. <i>Journal of Computational Physics</i> , 2011 , 230, 3135-3154	4.1	25	
265	On the stability of the high-order Higdon Absorbing Boundary Conditions. <i>Applied Numerical Mathematics</i> , 2011 , 61, 768-784	2.5	10	
264	Consistent transmitting boundary with continued-fraction absorbing boundary conditions for analysis of soil tructure interaction in a layered half-space. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2011 , 200, 1509-1525	5.7	24	
263	Local absorbent boundary condition for non-linear hyperbolic problems with unknown Riemann invariants. 2011 , 40, 52-67		1	
262	Hybrid-Trefftz stress element for bounded and unbounded poroelastic media. 2011 , 85, 1280-1305		13	
261	Explicit finite element artificial boundary scheme for transient scalar waves in two-dimensional unbounded waveguide. 2011 , 87, 1074-1104		45	
260	Mixed perfectly-matched-layers for direct transient analysis in 2D elastic heterogeneous media. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2011 , 200, 57-76	5.7	45	
259	A finite element scheme with a high order absorbing boundary condition for elastodynamics. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2011 , 200, 2048-2066	5.7	28	
258	Absorbing boundary conditions for time harmonic wave propagation in discretized domains. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2011 , 200, 2483-2497	5.7	10	
257	Time-domain analysis of gravity damEeservoir interaction using high-order doubly asymptotic open boundary. 2011 , 89, 668-680		30	
256	Adaptive artificial boundary condition for the two-level Schrdinger equation with conical crossings. <i>Journal of Computational Physics</i> , 2011 , 230, 1319-1334	4.1	4	
255	Improvements on open and traction boundary conditions for NavierBtokes time-splitting methods. Journal of Computational Physics, 2011, 230, 4011-4027	4.1	36	

254	Local absorbing boundary conditions for nonlinear wave equation on unbounded domain. 2011, 84, 036707	11
253	Finite Element Analysis of Dam-Reservoir Interaction Using High-Order Doubly Asymptotic Open Boundary. 2011 , 2011, 1-23	6
252	Characterization of woodwind instrument toneholes with the finite element method. 2012, 131, 3153-63	20
251	Helmholtz Equation with Artificial Boundary Conditions in a Two-Dimensional Waveguide. 2012 , 44, 4320-434	45
250	A synthesis of numerical methods for modeling wave energy converter-point absorbers. 2012 , 16, 4352-4364	153
249	The Method of Difference Potentials for the Helmholtz Equation Using Compact High Order Schemes. 2012 , 53, 150-193	40
248	Accurate absorbing boundary conditions for anisotropic elastic media. Part 1: Elliptic anisotropy. <i>Journal of Computational Physics</i> , 2012 , 231, 7584-7607 4.1	7
247	Long-time stable high-order absorbing boundary conditions for elastodynamics. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2012 , 241-244, 20-37	35
246	Open boundary conditions for the velocity-correction scheme of the NavierBtokes equations. 2012 , 70, 29-43	13
245	RADIATION BOUNDARY CONDITIONS FOR THE HELMHOLTZ EQUATION FOR ELLIPSOIDAL, PROLATE SPHEROIDAL, OBLATE SPHEROIDAL AND SPHERICAL DOMAIN BOUNDARIES. 2012 , 20, 1230001	4
244	Method of Infinite System of Equations for Problems in Unbounded Domains. 2012, 2012, 1-17	1
243	Transparent Boundary Conditions for Elastic Anisotropic VTI Media: Axially Symmetric Case. 2012 , 11, 541-554	1
242	A multi-time stepping integration method for the ultrasound heating problem. 2012 , 92, 869-881	3
241	A note on predetermined earthquake damage scenarios for structural health monitoring. 2012 , 19, 746-757	16
240	Modelling far-field entrainment in compressible flows. 2012 , 26, 67-78	5
239	Transparent boundary conditions for the wave equation Kirchhoff point of view. 2012, 36, n/a-n/a	3
238	High-order non-reflecting boundary conditions for dispersive waves in polar coordinates using spectral elements. 2012 , 218, 6666-6676	2
237	The DtN nonreflecting boundary condition for multiple scattering problems in the half-plane. **Computer Methods in Applied Mechanics and Engineering, 2012 , 217-220, 1-11 5-7	6

236	Numerical aspects of coupling strongly frequency-dependent soilfoundation models with structural finite elements in the time-domain. <i>Soil Dynamics and Earthquake Engineering</i> , 2012 , 37, 56-7	72 ^{3.5}	33	
235	A non-deteriorating algorithm for computational electromagnetism based on quasi-lacunae of Maxwell equations. <i>Journal of Computational Physics</i> , 2012 , 231, 558-585	4.1	7	
234	A finite difference scheme for fractional sub-diffusion equations on an unbounded domain using artificial boundary conditions. <i>Journal of Computational Physics</i> , 2012 , 231, 2865-2879	4.1	76	
233	Modeling open boundaries in dissipative MHD simulation. <i>Journal of Computational Physics</i> , 2012 , 231, 2963-2976	4.1	7	
232	Self-adapting absorbing boundary conditions for the wave equation. 2012 , 49, 461-473		4	
231	An improved continued-fraction-based high-order transmitting boundary for time-domain analyses in unbounded domains. 2012 , 89, 269-298		57	
230	Coupling of finite and hierarchical infinite elements: application to a non-homogeneous cross-anisotropic half-space subjected to a non-uniform circular loading. 2013 , 37, 1552-1573		3	
229	Transparent boundary conditions based on the pole condition for time-dependent, two-dimensional problems. 2013 , 29, 1367-1390		2	
228	A computational method for the Helmholtz equation in unbounded domains based on the minimization of an integral functional. <i>Journal of Computational Physics</i> , 2013 , 246, 78-95	4.1	4	
227	A COMPARISON OF TRANSIENT INFINITE ELEMENTS AND TRANSIENT KIRCHHOFF INTEGRAL METHODS FOR FAR FIELD ACOUSTIC ANALYSIS. 2013 , 21, 1350006		4	
226	Finite Element Analysis of Dam R eservoir Interaction Using High-Order Doubly Asymptotic Open Boundary. 2013 , 173-198			
225	A Family of Finite-Difference Schemes with Discrete Transparent Boundary Conditions for a Parabolic Equation on the Half-Axis. 2013 , 13, 119-138			
224	Time-Domain Analysis of Gravity Dam R eservoir Interaction Using High-Order Doubly Asymptotic Open Boundary. 2013 , 139-171		1	
223	The finite difference approximation for a class of fractional sub-diffusion equations on a space unbounded domain. <i>Journal of Computational Physics</i> , 2013 , 236, 443-460	4.1	25	
222	Splitting-based schemes for numerical solution of nonlinear diffusion equations on a sphere. 2013 , 219, 8467-8485		1	
221	Absorbing boundary conditions: a spectral collocation approach. <i>International Journal for Numerical Methods in Fluids</i> , 2013 , 72, 913-936	1.9	3	
220	3DFLUX: A high-order fully three-dimensional flux integral solver for the scalar transport equation. <i>Journal of Computational Physics</i> , 2013 , 240, 121-144	4.1	1	
219	An efficient approach for dynamic impedance of surface footing on layered half-space. <i>Soil Dynamics and Earthquake Engineering</i> , 2013 , 49, 39-51	3.5	59	

218	Dynamics of structures coupled with elastic media review of numerical models and methods. 2013 , 332, 2415-2436		39
217	STRESSIVELOCITY COMPLETE RADIATION BOUNDARY CONDITIONS. 2013, 21, 1350003		7
216	Numerical Modelling of Nonlinear Diffusion Phenomena on a Sphere. 2013 , 57-70		1
215	Discrete Calderon projections on parallelepipeds and their application to computing exterior magnetic fields for FRC plasmas. <i>Journal of Computational Physics</i> , 2013 , 234, 172-198	4.1	8
214	Infinite domain potential problems by a new formulation of singular boundary method. <i>Applied Mathematical Modelling</i> , 2013 , 37, 1638-1651	4.5	36
213	Nonlinear resonances of a semi-infinite cable on a nonlinear elastic foundation. 2013, 18, 785-798		4
212	Beyond Boussinesq-type equations: Semi-integrated models for coastal dynamics. 2013 , 25, 016603		26
211	ABSORBING BOUNDARY CONDITIONS FOR A WAVE EQUATION WITH A TEMPERATURE-DEPENDENT SPEED OF SOUND. 2013 , 21, 1250028		1
2 10	Well-posedness and Stability of Exact Non-reflecting Boundary Conditions. 2013,		
209	Numerical solution of the nonlinear Schrdinger equation with wave operator on unbounded domains. 2014 , 90, 033309		5
208	An efficient complex-frequency shifted-perfectly matched layer for second-order acoustic wave equation. 2014 , 97, 130-148		7
207	Local artificial boundary conditions for Schrdinger and heat equations by using high-order azimuth derivatives on circular artificial boundary. 2014 , 185, 1606-1615		9
206	A robust and accurate outflow boundary condition for incompressible flow simulations on severely-truncated unbounded domains. <i>Journal of Computational Physics</i> , 2014 , 261, 83-105	4.1	91
205	Acoustic eigenanalysis of 2D open cavity with Vekua approximations and the method of particular solutions. <i>Engineering Analysis With Boundary Elements</i> , 2014 , 43, 30-36	2.6	4
204	Numerical Approximation of Second-Order Elliptic Problems in Unbounded Domains. 2014 , 60, 295-312		7
203	Seismic Design of Industrial Facilities. 2014 ,		2
202	High order full discretizations of coupled wave equations with absorbing boundary conditions and geometric integration. <i>Journal of Computational Physics</i> , 2014 , 265, 16-33	4.1	3
201	An outflow boundary condition and algorithm for incompressible two-phase flows with phase field approach. <i>Journal of Computational Physics</i> , 2014 , 266, 47-73	4.1	28

200	A high-order approach for modelling transient wave propagation problems using the scaled boundary finite element method. 2014 , 97, 937-959		44	
199	A Sommerfeld non-reflecting boundary condition for the wave equation in mixed form. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2014 , 276, 122-148	5.7	23	
198	Analysis of the convected Helmholtz equation with a uniform mean flow in a waveguide with complete radiation boundary conditions. 2014 , 410, 275-291		9	
197	The Double Absorbing Boundary method. <i>Journal of Computational Physics</i> , 2014 , 259, 220-241	4.1	43	
196	Double Absorbing Boundary Formulations for Acoustics and Elastodynamics. 2014 , 36, A1277-A1312		14	
195	Approximate local magnetic-to-electric surface operators for time-harmonic Maxwell's equations. Journal of Computational Physics, 2014 , 279, 241-260	4.1	25	
194	Numerical modelling of wave propagation in anisotropic soil using a displacement unit-impulse-response-based formulation of the scaled boundary finite element method. <i>Soil Dynamics and Earthquake Engineering</i> , 2014 , 65, 243-255	3.5	23	
193	Computation of the Schrdinger Equation in the Semiclassical Regime on an Unbounded Domain. <i>SIAM Journal on Numerical Analysis</i> , 2014 , 52, 808-831	2.4	13	
192	Optimizing perfectly matched layers in discrete contexts. 2014 , 99, 410-437		25	
191	A Second Order Finite-Difference Ghost-Point Method for Elasticity Problems on Unbounded Domains with Applications to Volcanology. 2014 , 16, 983-1009		12	
190	Dirichlet-to-Neumann Mapping for the Characteristic Elliptic Equations with Symmetric Periodic Coefficients. 2014 , 16, 1102-1115			
189	A Flexible Boundary Procedure for Hyperbolic Problems: Multiple Penalty Terms Applied in a Domain. 2014 , 16, 345-358		7	
188	Suppression of spurious frequencies in scattering problems by means of boundary algebraic and combined field equations. 2015 , 27,		2	
187	Generating and Absorbing Boundary Conditions for Free-Surface Flow Simulations in Offshore Applications. 2015 ,		1	
186	Experiments in Numerical Error Control for Sound Propagation in a 2D Jet Using a dAmping Layer and Nonreflecting Outer Boundaries. 2015 , 14, 489-519		0	
185	A finite difference method for effective treatment of mild-slope wave equation subject to non-reflecting boundary conditions. 2015 , 53, 179-189		5	
184	Absorbing boundary conditions and geometric integration: A case study for the wave equation. 2015 , 111, 1-16		3	
183	Boundary conditions for simulations of oscillating bubbles using the non-linear acoustic approximation. <i>Journal of Computational Physics</i> , 2015 , 284, 273-290	4.1	8	

182	Finite element method with nonlocal boundary condition for solving the nondestructive testing problem of wood moisture content. 2015 , 250, 432-443		1
181	Finite Difference Methods for the Heat Equation with a Nonlocal Boundary Condition. 2015 , 33, 17-32		O
180	Proper generalized decomposition for parameterized Helmholtz problems in heterogeneous and unbounded domains: Application to harbor agitation. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2015 , 295, 127-149	5.7	47
179	Calculation of acoustic Green functions using BEM and Dirichlet-to-Neumann-type boundary conditions. <i>Applied Mathematical Modelling</i> , 2015 , 39, 4134-4150	4.5	5
178	Dynamic Impedance Functions for Arbitrary-Shaped Rigid Foundation Embedded in Anisotropic Multilayered Soil. 2015 , 141, 04015045		17
177	Time-domain analysis of wave propagation in 3-D unbounded domains by the scaled boundary finite element method. <i>Soil Dynamics and Earthquake Engineering</i> , 2015 , 75, 171-182	3.5	19
176	A pressure correction scheme for generalized form of energy-stable open boundary conditions for incompressible flows. <i>Journal of Computational Physics</i> , 2015 , 291, 254-278	4.1	22
175	A modal strategy devoted to the hidden state variables method with large interfaces. 2015 , 55, 805-818	В	
174	A Mathematical Model for SAR Imaging beyond the First Born Approximation. 2015 , 8, 186-225		12
173	Absorbing boundary conditions for nonlinear acoustics: The Westervelt equation. <i>Journal of Computational Physics</i> , 2015 , 302, 200-221	4.1	18
172	High-order accurate difference potentials methods for parabolic problems. <i>Applied Numerical Mathematics</i> , 2015 , 93, 87-106	2.5	13
171	High-order difference potentials methods for 1D elliptic type models. <i>Applied Numerical Mathematics</i> , 2015 , 93, 69-86	2.5	17
170	Transient analysis of wave propagation in layered soil by using the scaled boundary finite element method. <i>Computers and Geotechnics</i> , 2015 , 63, 1-12	4.4	42
169	Method of infinite systems of equations for solving an elliptic problem in a semistrip. <i>Applied Numerical Mathematics</i> , 2015 , 87, 114-124	2.5	2
168	On-surface radiation condition for multiple scattering of waves. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2015 , 283, 1296-1309	5.7	15
167	Approximating the Solution Stochastic Process of the Random Cauchy One-Dimensional Heat Model. 2016 , 2016, 1-7		1
166	Impact of incident angles of P waves on the dynamic responses of long lined tunnels. 2016 , 45, 2435-24	54	45
165	A meshless method for unbounded acoustic problems. 2016 , 139, 2613		17

164	A fast lattice Green's function method for solving viscous incompressible flows on unbounded domains. <i>Journal of Computational Physics</i> , 2016 , 316, 360-384	4.1	19	
163	A new analysis of the complex two-dimensional multilayered anisotropic soil in time domain. 2016 , 227, 2125-2155		1	
162	Transmitting boundary for transient analysis of wave propagation in layered media formulated based on acceleration unit-impulse response. <i>Soil Dynamics and Earthquake Engineering</i> , 2016 , 90, 494-5	i∂9 ⁵	4	
161	Optimizing dynamic downscaling in one-way nesting using a regional ocean model. 2016 , 106, 104-120		15	
160	Development of a CFD model for simulation of a traveling-wave thermoacoustic engine using an impedance matching boundary condition. 2016 , 107, 1026-1035		9	
159	Numerical Blow-Up of Nonlinear Parabolic Integro-Differential Equations on Unbounded Domain. 2016 , 68, 1281-1298		6	
158	Exponentially accurate nonconforming least-squares spectral element method for elliptic problems on unbounded domain. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2016 , 305, 607-633	5.7	7	
157	Trefftz Approximations: A New Framework for Nonreflecting Boundary Conditions. 2016 , 52, 1-4		2	
156	Combination of the discontinuous Galerkin method with finite differences for simulation of seismic wave propagation. <i>Journal of Computational Physics</i> , 2016 , 311, 142-157	4.1	34	
155	Time exponential splitting technique for the Kleinliordon equation with Hagstrom Warburton high-order absorbing boundary conditions. <i>Journal of Computational Physics</i> , 2016 , 311, 196-212	4.1	5	
154	A pseudo-spectral method for a non-local KdV B urgers equation posed on R. <i>Journal of Computational Physics</i> , 2016 , 311, 45-61	4.1	6	
153	Duality system-based derivation of the modified scaled boundary finite element method in the time domain and its application to anisotropic soil. <i>Applied Mathematical Modelling</i> , 2016 , 40, 5230-525.	5 ^{4·5}	4	
152	A new global nonreflecting boundary condition with diagonal coefficient matrices for analysis of unbounded media. <i>Applied Mathematical Modelling</i> , 2016 , 40, 2845-2874	4.5	5	
151	Multidomain spectral method for Schrdinger equations. 2016 , 42, 395-423		9	
150	Exact Non-reflecting Boundary Conditions Revisited: Well-Posedness and Stability. 2017 , 17, 957-986		7	
149	Asymptotic expansion of solutions to the BlackBcholes equation arising from American option pricing near the expiry. 2017 , 311, 11-37		15	
148	Dynamic fracture analysis of the soil-structure interaction system using the scaled boundary finite element method. <i>Engineering Analysis With Boundary Elements</i> , 2017 , 77, 26-35	2.6	23	
147	Transionospheric Synthetic Aperture Imaging. Applied and Numerical Harmonic Analysis, 2017,	0.6	10	

146	High order surface radiation conditions for time-harmonic waves in exterior domains. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017 , 322, 296-310	6
145	A simple and efficient incompressible NavierBtokes solver for unsteady complex geometry flows on truncated domains. 2017 , 150, 84-94	15
144	An absorbing boundary condition for free surface water waves. 2017 , 156, 562-578	4
143	Perfectly matched layers for convex truncated domains with discontinuous Galerkin time domain simulations. <i>Computers and Mathematics With Applications</i> , 2017 , 73, 684-700	8
142	Constructing non-reflecting boundary conditions using summation-by-parts in time. <i>Journal of Computational Physics</i> , 2017 , 331, 38-48	1
141	A fast immersed boundary method for external incompressible viscous flows using lattice Green's functions. <i>Journal of Computational Physics</i> , 2017 , 331, 257-279	37
140	Numerical Solution of the Nonlocal Diffusion Equation on the Real Line. 2017 , 39, A1951-A1968	11
139	Numerical solution of the general coupled nonlinear Schrdinger equations on unbounded domains. 2017 , 96, 063305	6
138	Energy stable and high-order-accurate finite difference methods on staggered grids. <i>Journal of Computational Physics</i> , 2017 , 346, 572-589	19
137	Inverted finite elements for div-curl systems in the whole space. 2017 , 43, 1469-1489	2
136	A Roadmap to Well Posed and Stable Problems in Computational Physics. 2017 , 71, 365-385	35
135	High-order numerical schemes based on difference potentials for 2D elliptic problems with material interfaces. <i>Applied Numerical Mathematics</i> , 2017 , 111, 64-91	9
134	Non-linear seismic responses of tunnels within normal fault ground under obliquely incident P waves. <i>Tunnelling and Underground Space Technology</i> , 2017 , 61, 26-39	61
133	A novel finite difference scheme for Burgers' equation on unbounded domains. <i>Applied Numerical Mathematics</i> , 2017 , 111, 1-16	6
132	A numerical study of nonlinear diffusion phenomena in heterogeneous media: energy transfer at diverse blow-up modes and self-organisation processes. 2017 , 226, 3303-3314	О
131	Numerical solution to a linearized time fractional KdV equation on unbounded domains. 2017 , 87, 693-719	19
130	A one-dimensional model of flow in a junction of thin channels, including arterial trees. 2017 , 208, 1138-1186	4
129	A FDM for BurgersEquation on Unbounded Domains Using High-Order Artificial Boundary Conditions. 2017 , 865, 233-238	

128	Novel two-way artificial boundary condition for 2D vertical water wave propagation modelled with Radial-Basis-Function Collocation Method. <i>Journal of Computational Physics</i> , 2018 , 359, 283-295	4.1	1
127	Stable high-order absorbing boundary condition based on new continued fraction for scalar wave propagation in unbounded multilayer media. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018 , 334, 111-137	5.7	29
126	Local transmitting boundaries for the generalized interpolation material point method. 2018, 114, 1228	3-1244	1 7
125	Linearized NavierBtokes equations for aeroacoustics using stabilized finite elements: Boundary conditions and industrial application to aft-fan noise propagation. 2018 , 166, 32-45		2
124	An Efficient Second-Order Finite Difference Method for the One-Dimensional Schrdinger Equation with Absorbing Boundary Conditions. <i>SIAM Journal on Numerical Analysis</i> , 2018 , 56, 766-791	2.4	5
123	The use of generalized finite difference method in perfectly matched layer analysis. <i>Applied Mathematical Modelling</i> , 2018 , 60, 127-144	4.5	4
122	The direct method of lines for elliptic problems in star-shaped domains. 2018, 327, 350-361		1
121	Stabilization of gravity water waves. 2018 , 114, 51-84		2
120	Frozen Gaussian Approximation-Based Artificial Boundary Conditions for One-Dimensional Nonlinear Schrdinger Equation in the Semiclassical Regime. 2018 , 75, 1701-1720		3
119	Time exponential splitting integrator for the KleinLordon equation with free parameters in the HagstromLWarburton absorbing boundary conditions. 2018 , 333, 185-199		O
118	Finite-Dimensional Approximations of the Steklov B oincar (Operator in Periodic Elastic Waveguides. 2018 , 63, 307-311		
117	Stability and Error Analysis for a Second-Order Fast Approximation of the One-dimensional Schrdinger Equation Under Absorbing Boundary Conditions. 2018 , 40, A4083-A4104		6
116	Dynamic soil-structure interaction in a 3D layered medium treated by coupling a semi-analytical axisymmetric far field formulation and a 3D finite element model. <i>Soil Dynamics and Earthquake Engineering</i> , 2018 , 115, 531-544	3.5	12
115	Numerical Solution of a Two-Dimensional Nonlocal Wave Equation on Unbounded Domains. 2018 , 40, A1430-A1445		14
114	Numerical study on gas flow through a microfiano porous medium based on finite difference schemes on quasi-uniform grids. 2018 , 105, 186-191		5
113	Local SpaceIIime DirichletNeumann Nonreflecting Boundary Values: Half-Space Spatial Orthogonal Mode Projections. 2018 , 66, 5378-5386		2
112	Exact Absorbing Boundary Conditions for Periodic Three-Dimensional Structures: Derivation and Implementation in Discontinuous Galerkin Time-Domain Method. 2018 , 3, 108-120		9
111	Seismic stability of jointed rock slopes under obliquely incident earthquake waves. 2018 , 17, 527-539		13

110	Spectral-infinite-element simulations of gravity anomalies. 2018 , 215, 1098-1117		14
109	Multilevel preconditioning technique for Schwarz waveform relaxation domain decomposition method for real- and imaginary-time nonlinear Schrdinger equation. 2018 , 336, 403-417		1
108	A high-order doubly asymptotic continued-fraction solution for frequency-domain analysis of vector wave propagation in unbounded domains. <i>Soil Dynamics and Earthquake Engineering</i> , 2018 , 113, 230-240	3.5	2
107	A local collocation method to construct Dirichlet-type absorbing boundary conditions for transient scalar wave propagation problems. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019 , 356, 629-651	5.7	13
106	The use of fallde sun shading systems for the reduction of indoor and outdoor sound pressure levels. 2019 , 26, 181-206		4
105	Frequency-domain elastic wavefield simulation with hybrid absorbing boundary conditions. 2019 , 16, 690-706		1
104	Dynamic Response of Arbitrarily Shaped Foundation Embedded in Multilayered Partially Saturated Half-Space. 2019 , 19, 04019121		2
103	Well-posedness of the Westervelt equation with higher order absorbing boundary conditions. 2019 , 479, 1595-1617		1
102	Spectral-infinite-element simulations of earthquake-induced gravity perturbations. 2019 , 217, 451-468		9
101	An extension of DG methods for hyperbolic problems to one-dimensional semi-infinite domains. 2019 , 350, 266-282		1
100	A simple pseudospectral method for the computation of the time-dependent Dirac equation with Perfectly Matched Layers. <i>Journal of Computational Physics</i> , 2019 , 395, 583-601	4.1	10
99	Performance of characteristic numerical boundary conditions for mixed convective flows past a heated square cylinder using a non-Boussinesq approach. 2019 , 76, 254-280		10
98	Highly accurate acoustic scattering: Isogeometric Analysis coupled with local high order Farfield Expansion ABC. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019 , 349, 477-498	5.7	14
97	Towards Perfectly Matched Layers for time-dependent space fractional PDEs. <i>Journal of Computational Physics</i> , 2019 , 391, 59-90	4.1	7
96	Modeling of One Inclusion in the Infinite Peristatic Matrix Subjected to Homogeneous Remote Loading. 2019 , 1, 75-87		4
95	Connecting PML to Classical Robin Boundary Value Problems. 2019 , 67, 4032-4039		1
94	Complex Frequency Shifted Perfectly Matched Layer Boundary Conditions for Frequency-Domain Elastic Wavefield Simulations. 2019 , 176, 2529-2542		2
93	Spectral-infinite-element simulations of magnetic anomalies. 2019 , 217, 1656-1667		4

92	Complete radiation boundary conditions for the Helmholtz equation I: waveguides. 2019, 141, 917-966	8
91	B-Spline FEM for Time-Harmonic Acoustic Scattering and Propagation. 2019 , 27, 1850059	10
90	Spectral-infinite-element simulations of coseismic and post-earthquake deformation. 2019 , 216, 1364-1393	9
89	A reflectionless discrete perfectly matched layer. <i>Journal of Computational Physics</i> , 2019 , 381, 91-109 4.1	9
88	Reconsideration of the implicit boundary conditions in pressure driven rarefied gas flows through capillaries. 2019 , 160, 114-122	3
87	Coupling of boundary integral equation and finite element methods for transmission problems in acoustics. <i>Numerical Algorithms</i> , 2019 , 82, 479-501	2
86	Direct implementation of high order BGT artificial boundary conditions. <i>Journal of Computational Physics</i> , 2019 , 376, 98-128	6
85	A fixed point iteration method using Green's functions for the solution of nonlinear boundary value problems over semi-Infinite intervals. 2020 , 97, 1303-1319	3
84	Numerical Computations of Nonlocal Schridinger Equations on the Real Line. 2020, 2, 241-260	2
83	Boundary condition optimization to improve the stability of inviscid and compressible finite-volume methods on unstructured meshes. 2020 , 199, 104418	1
82	CEM methods in R.F and microwave engineering in the context of parameters that influence the outcome of modeling. 2020 , 135, 1	
81	Implementation of fictitious absorbing layers with deceleration effects for one-dimensional Schrdinger equations. 2020 , 86,	
80	Perfectly matched layer for computing the dynamics of nonlinear Schrdinger equations by pseudospectral methods. Application to rotating Bose-Einstein condensates. 2020 , 90, 105406	7
79	Numerical Solution of 3D Exterior Unsteady Wave Propagation Problems Using Boundary Operators. 2020 , 42, A3462-A3488	1
78	Research Note: A workaround for the corner problem in numerically exact non-reflecting boundary conditions. 2020 , 68, 2857-2866	1
77	Fast Evaluation of Artificial Boundary Conditions for Advection Diffusion Equations. <i>SIAM Journal on Numerical Analysis</i> , 2020 , 58, 3530-3557	2
76	Transient analysis of three-dimensional dynamic interaction between multilayered soil and rigid foundation. 2020 , 121, 4406-4434	2
75	Stability and Error Analysis for a Second-Order Fast Approximation of the Local and Nonlocal Diffusion Equations on the Real Line. <i>SIAM Journal on Numerical Analysis</i> , 2020 , 58, 1893-1917	2

74	EXACT NON-REFLECTING BOUNDARY CONDITIONS WITH AN FDTD SCHEME FOR THE SCALAR WAVE EQUATION IN WAVEGUIDE PROBLEMS. 2020 , 91, 39-48		3
73	An Efficient Unsplit Perfectly Matched Layer for Finite-Element Time-Domain Modeling of Elastodynamics in Cylindrical Coordinates. 2020 , 177, 4345-4363		
72	Nonlinear Dynamic Response of a CC-RCC Combined Dam Structure under Oblique Incidence of Near-Fault Ground Motions. 2020 , 10, 885		3
71	A true PML approach for steady-state vibration analysis of an elastically supported beam under moving load by a DLSFEM formulation. 2020 , 239, 106295		7
70	A fast multi-resolution lattice Green's function method for elliptic difference equations. <i>Journal of Computational Physics</i> , 2020 , 407, 109270	4.1	5
69	Simplified analytical solution for circular tunnel under obliquely incident SV wave. <i>Soil Dynamics and Earthquake Engineering</i> , 2021 , 140, 106429	3.5	5
68	Derivation and analysis of computational methods for fractional Laplacian equations with absorbing layers. <i>Numerical Algorithms</i> , 2021 , 87, 409-444	2.1	7
67	Boundary Conditions of Volume Hyperbolic Potential in a Domain with Curvilinear Boundary. <i>Springer Proceedings in Mathematics and Statistics</i> , 2021 , 257-271	0.2	
66	A generating-absorbing boundary condition for dispersive waves. <i>International Journal for Numerical Methods in Fluids</i> , 2021 , 93, 2443-2467	1.9	1
65	Review and Recent Developments on the Perfectly Matched Layer (PML) Method for the Numerical Modeling and Simulation of Elastic Wave Propagation in Unbounded Domains. <i>Archives of Computational Methods in Engineering</i> , 1	7.8	2
64	Multi-domain spectral approach with Sommerfeld condition for the Maxwell equations. <i>Journal of Computational Physics</i> , 2021 , 434, 110149	4.1	
63	A numerically exact nonreflecting boundary condition applied to the acoustic Helmholtz equation. <i>Geophysics</i> , 2021 , 86, T229-T238	3.1	O
62	Kelvin transformations for simulations on infinite domains. ACM Transactions on Graphics, 2021, 40, 1-1	5 7.6	
61	Kelvin transformations for simulations on infinite domains. ACM Transactions on Graphics, 2021, 40, 1-1	5 7.6	2
60	Towards a combined perfectly matching layer and infinite element formulation for unbounded elastic wave problems. <i>Mathematics and Mechanics of Solids</i> , 108128652110408	2.3	
59	A Coupling between Integral Equations and On-Surface Radiation Conditions for Diffraction Problems by Non Convex Scatterers. <i>Mathematics</i> , 2021 , 9, 2299	2.3	1
58	A direct time-domain procedure for the seismic analysis of damfloundation leservoir systems using the scaled boundary finite element method. <i>Computers and Geotechnics</i> , 2021 , 138, 104364	4.4	3
57	A frequency-dependent p-adaptive technique for spectral methods. <i>Journal of Computational Physics</i> , 2021 , 446, 110627	4.1	2

(2009-2021)

56	Laplace Green's functions for infinite ground planes with local roughness. <i>Journal of Computational Physics</i> , 2021 , 447, 110673	4.1	
55	Analysis of dynamic response of two-dimensional orthotropic layered media with imperfect interfaces between layers. <i>Applied Mathematical Modelling</i> , 2022 , 101, 171-194	4.5	O
54	Numerical Solution of the Heat Equation in Unbounded Domains Using Quasi-uniform Grids. <i>Lecture Notes in Computer Science</i> , 2006 , 509-517	0.9	6
53	Modeling radar targets beyond the first Born approximation. <i>Applied and Numerical Harmonic Analysis</i> , 2017 , 311-371	0.6	1
52	Additive Schwarz Method for Scattering Problems Using the PML Method at Interfaces. 2007 , 205-212		3
51	Computational Absorbing Boundaries. 2008, 145-166		12
50	Improving the Convergence of Schwarz Methods for Helmholtz Equation. <i>Lecture Notes in Computational Science and Engineering</i> , 2013 , 199-206	0.3	2
49	Numerics of Fluid-Structure Interaction. 2008, 333-378		5
48	Local Dirichlet-type absorbing boundary conditions for transient elastic wave propagation problems. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020 , 362, 112856	5.7	13
47	Pseudospectral computational methods for the time-dependent Dirac equation in static curved spaces. <i>Journal of Computational Physics</i> , 2020 , 411, 109412	4.1	7
46	Transparent lateral boundary conditions for baroclinic waves: a study of two elementary systems of equations.		5
45	Development and application of numerical methods for solving tasks in unlimited regions based on the third Green formula. <i>Keldysh Institute Preprints</i> , 2018 , 1-24	0.3	3
44	Transparent lateral boundary conditions for baroclinic waves: a study of two elementary systems of equations. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2005 , 57, 171-182	2	5
43	Absorbing boundary conditions for the Westervelt equation. 2015,		1
42	Hammeticheskii Sbornik, 2017 , 208, 56-105	0.6	1
41	Exact and High-Order Non-Reflecting Computational Boundaries. 2003, 26-31		
40	Nonreflecting Boundary Conditions for Time Dependent Waves. 2004 , 73-92		
39	Soil-Structure Interaction in Nonlinear Soil. <i>NATO Science for Peace and Security Series C:</i> Environmental Security, 2009 , 151-168	0.3	

38	The Scaled Boundary Finite Element Method for Transient Wave Propagation Problems. 2014 , 547-556		1
37	The Power of Trefftz Approximations: Finite Difference, Boundary Difference and Discontinuous Galerkin Methods; Nonreflecting Conditions and Non-Asymptotic Homogenization. <i>Lecture Notes in Computer Science</i> , 2015 , 50-61	0.9	2
36	Controllability and stabilization of water waves. Schinaire Laurent Schwartz EDP Et Applications, 1-17		
35	On an analytic-numerical method to simulate heat transfer process on \$p\$-dimensional complex geometry domains. <i>Computer Research and Modeling</i> , 2015 , 7, 865-873	1	
34	A New Two-Way Artificial Boundary Condition for Wave Propagation. 2017,		
33	Numerical Experiments in Error Control for Sound Propagation Using a Damping Layer Boundary Treatment. 2017 ,		
32	Numerical Solution Tasks With Mixed Operator In Unlimited Area. 2019,		
31	Efficient Dynamic Analysis of Foundation Via a Coupled Axisymmetric SBFEM-3D FEM. <i>Teknik Dergi/Technical Journal of Turkish Chamber of Civil Engineers</i> ,	2	1
30	Immersed Boundary Projection Methods. <i>Computational Methods in Engineering & the Sciences</i> , 2020 , 3-43	0.3	
29	Transparent Boundary Conditions for the Wave Equation in a Channel of Circular Section. Lobachevskii Journal of Mathematics, 2021 , 42, 2678-2686	0.9	
28	Discrete transparent boundary conditions for the equation of rod transverse vibrations. <i>Applied Mathematical Modelling</i> , 2020 , 88, 550-572	4.5	0
27	Multi-Stages Iterative Process for Conservative Economic Finite-Difference Schemes Realization for the Problem of Nonlinear Laser Pulse Interaction with a Medium. <i>Nonlinear Phenomena in Complex Systems</i> , 2021 , 24, 242-259	0.5	
26	On the use of complex stretching coordinates in generalized finite difference method with applications in inhomogeneous visco-elasto dynamics. <i>Engineering Analysis With Boundary Elements</i> , 2022 , 134, 466-490	2.6	0
25	Seismic response analysis of complicated soil-structure interaction using inelasticity-separated scaled boundary finite element method. <i>Soil Dynamics and Earthquake Engineering</i> , 2022 , 152, 107069	3.5	O
24	Stable and efficient FEM-BEM coupling with OSRC regularisation for acoustic wave transmission. Journal of Computational Physics, 2022 , 450, 110867	4.1	О
23	A non-local method in peridynamic theory for simulating elastic wave propagation in solids. <i>Applied Mathematical Modelling</i> , 2022 , 103, 360-375	4.5	1
22	Peridynamic Micromechanics of Random Structure Composites. 2022 , 795-847		
21	Fast difference scheme for the reaction-diffusion-advection equation with exact artificial boundary conditions. <i>Applied Numerical Mathematics</i> , 2022 , 173, 395-417	2.5	1

20	Adjoint-based optimal control of incompressible flows with convective-like energy-stable open boundary conditions. <i>Computers and Mathematics With Applications</i> , 2022 , 106, 40-56	2.7	
19	Multi-resolution lattice Green's function method for incompressible flows. <i>Journal of Computational Physics</i> , 2022 , 110845	4.1	
18	Computing Semigroups with Error Control. SIAM Journal on Numerical Analysis, 2022, 60, 396-422	2.4	1
17	Construction and Numerical Assessment of Local Absorbing Boundary Conditions for Heterogeneous Time-Harmonic Acoustic Problems. <i>SIAM Journal on Applied Mathematics</i> , 2022 , 82, 476	- 5 01	O
16	Standard and Phase Reduced Isogeometric On-Surface Radiation Conditions for acoustic scattering analyses. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2022 , 392, 114700	5.7	0
15	Analytical solutions for circular tunnels under longitudinally propagating shear waves based on improved foundation beam models considering tangential interaction. <i>Tunnelling and Underground Space Technology</i> , 2022 , 123, 104444	5.7	Ο
14	Simplified Analytical Solutions for Deep Tunnels Subjected to vertically incident shear wave with arbitrary vibration direction. <i>Soil Dynamics and Earthquake Engineering</i> , 2022 , 156, 107245	3.5	0
13	Acoustic wave generated by focused nanosecond laser pulse at airBolid interface: Experiment and modeling. <i>AIP Advances</i> , 2021 , 11, 125108	1.5	
12	Frequency-robust preconditioning of boundary integral equations for acoustic transmission. Journal of Computational Physics, 2022 , 111229	4.1	1
11	A fast second-order discretization scheme for the linearized Green-Naghdi system with absorbing boundary conditions. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> ,	1.8	
10	Accurate absorbing boundary conditions for two-dimensional peridynamics. <i>Journal of Computational Physics</i> , 2022 , 111351	4.1	O
9	3D time-dependent scattering about complex shapes using high order difference potentials. 2022 , 471, 111632		O
8	3d Time-Dependent Scattering About Complex Shapes Using High Order Difference Potentials.		0
7	Quantitative features analysis of a model for separation of dissolved substances from a fluid flow by using a hybrid heuristic. 2022 , 137,		Ο
6	Hybrid absorbing scheme based on hyperelliptical layers with non-reflecting boundary conditions in scalar wave equations. 2022 ,		0
5	Absorbing Boundary Conditions and Widened Spatial Stencils. 2006 , 95-120		O
4	High-order accurate numerical simulation of monochromatic waves in photonic crystal ring resonators with the help of a non-iterative domain decomposition.		0
3	Fast artificial boundary method for the heat equation on unbounded domains with strip tails. 2023 , 425, 115032		Ο

A fast BDF2 Galerkin finite element method for the one-dimensional time-dependent Schrdinger equation with artificial boundary conditions. **2023**, 187, 89-106

О

Interaction analysis revisited by generalized finite difference method with perfectly matched layer. **2023**, 170, 107923

О