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Robust treatment of no-slip boundary condition and velocity updating for the lattice-Boltzmann simulation of particulate flows

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#	Paper	IF	Citations
128	Heat transfer in particulate flows with Direct Numerical Simulation (DNS). 2009 , 52, 777-786		119
127	Simulations of confined suspension flow at multiple length scales. <i>Soft Matter</i> , 2009 , 5, 4376	3.6	35
126	Mesoscale modeling for self-organization of colloidal systems. 2010 , 15, 8-12		10
125	Direct Numerical Simulation of particulate flow with heat transfer. 2010 , 31, 1050-1057		50
124	A Three-Dimensional Resolved Discrete Particle Method for Studying Particle-Wall Collision in a Viscous Fluid. 2010 , 132,		9
123	Direct Simulation of Dense Suspensions of Non-Spherical Particles. 2011,		2
122	Immersed Boundary-Finite Difference Lattice Boltzmann Method for Liquid-Solid Two-Phase Flows. 2011 , 6, 1051-1064		8
121	Rising of 3D catalyst particles in a natural convection dominated flow by a parallel DNS method. 2011 , 35, 2169-2185		39
120	PeliGRIFF, a parallel DEM-DLM/FD direct numerical simulation tool for 3D particulate flows. 2011 , 71, 131-155		25
119	Effect of internal mass in the simulation of a moving body by the immersed boundary method. <i>Computers and Fluids</i> , 2011 , 49, 173-187	2.8	119
118	An immersed boundary method based on the lattice Boltzmann approach in three dimensions, with application. <i>Computers and Mathematics With Applications</i> , 2011 , 61, 3506-3518	2.7	91
117	A direct-forcing immersed boundary method for the thermal lattice Boltzmann method. <i>Computers and Fluids</i> , 2011 , 49, 36-45	2.8	62
116	Application of the Lattice-Boltzmann-Method in Two-Phase Flow Studies: From Point-Particles to Fully Resolved Particles. 2011 ,		4
115	Direct simulations of dense suspensions of non-spherical particles. <i>International Journal of Multiphase Flow</i> , 2012 , 47, 25-36	3.6	31
114	Immersed Boundary-Lattice Boltzmann Method Using Two Relaxation Times. 2012 , 4, 193-209		11
113	Free surface flow of a suspension of rigid particles in a non-Newtonian fluid: A lattice Boltzmann approach. 2012 , 179-180, 32-42		43
112	Highly resolved simulations of solids suspension in a small mixing tank. 2012 , 58, 3266-3278		33

(2015-2012)

111	Particle velocity near vertical boundaries 🛽 source of uncertainty in two-fluid models. <i>Powder Technology</i> , 2012 , 220, 15-23	.2	4	
110	Direct Numerical Simulation of Fluid Flow and Mass Transfer in Dense Fluid P article Systems. 2013 , 52, 11266-11274		29	
109	A multiphase DNS approach for handling solid particles motion with heat transfer. <i>International Journal of Multiphase Flow</i> , 2013 , 53, 75-87	.6	11	
108	A lattice Boltzmann method for simulating transport and agglomeration of resolved particles. 2013 , 224, 2425-2449		31	
107	A higher-order immersed boundary-lattice Boltzmann method using a smooth velocity field near boundaries. <i>Computers and Fluids</i> , 2013 , 76, 105-115	.8	25	
106	Numerical Simulation of Flows about a Stationary and a Free-Falling Cylinder Using Immersed Boundary-Finite Difference Lattice Boltzmann Method. 2013 , 5, 27-41		3	
105	Evaluation of Three Lattice Boltzmann Models for Particulate Flows. 2013 , 13, 1151-1172		25	
104	Immersed Boundary-Finite Difference Lattice Boltzmann Method Using Two Relaxation Times. 2013 , 8, 262-276		4	
103	A partitioned approach for two-dimensional fluid tructure interaction problems by a coupled lattice Boltzmann-finite element method with immersed boundary. 2014 , 45, 202-215		46	
102	Comparative study of momentum-exchange and smoothed profile methods in Lattice Boltzmann method. <i>Computers and Fluids</i> , 2014 , 100, 65-71	.8	6	
101	Using the direct numerical simulation to compute the slip boundary condition of the solid phase in two-fluid model simulations. <i>Powder Technology</i> , 2014 , 265, 88-97	.2	7	
100	Simulations of solid[Iquid mass transfer in fixed and fluidized beds. 2014 , 255, 233-244		23	
99	Mixed convective heat transfer from a heated sphere at an arbitrary incident flow angle in laminar flows. 2014 , 78, 34-44		11	
98	Direct numerical simulation of fluid flow accompanied by coupled mass and heat transfer in dense fluidparticle systems. 2014 , 116, 645-656		33	
97	Modified momentum exchange method for fluid-particle interactions in the lattice Boltzmann method. <i>Physical Review E</i> , 2015 , 91, 033301	·4	34	
96	An extrapolation-based boundary treatment for using the lattice Boltzmann method to simulate fluid-particle interaction near a wall. 2015 , 9, 370-381		5	
95	Suspending a solid sphere in laminar inertial liquid flowexperiments and simulations. 2015, 61, 1455-1469)	9	
94	Simulations of dissolution of spherical particles in laminar shear flow. 2015 , 93, 66-78		10	

93	Simulating heat transfer from moving rigid bodies using high-order ghost-cell based immersed-boundary method. 2015 , 89, 856-865		16	
92	Accuracy of Finite Volume/Staggered Grid Distributed Lagrange Multiplier/Fictitious Domain simulations of particulate flows. <i>Computers and Fluids</i> , 2015 , 115, 154-172	2.8	36	
91	Numerical Investigation of E rog-Leap[Mechanisms of Three Particles Aligned Moving in an Inclined Channel Flow. 2015 , 7, 207-228		2	
90	PIBM: Particulate immersed boundary method for fluidparticle interaction problems. <i>Powder Technology</i> , 2015 , 272, 1-13	5.2	28	
89	Accuracy of the laminar boundary layer on a flat plate in an immersed boundary-lattice Boltzmann simulation. 2016 , 11, JFST0017-JFST0017		6	
88	A Resolved Eulerian[lagrangian Simulation of Fluidization of 1204 Heated Spheres in a Bed With Heat Transfer. 2016 , 138,		6	
87	Heat transfer analysis of PCM slurry flow between parallel plates. 2016 , 99, 895-903		12	
86	Central-moment lattice Boltzmann schemes with fixed and moving immersed boundaries. <i>Computers and Mathematics With Applications</i> , 2016 , 72, 1616-1628	2.7	24	
85	Application of the Lattice-Boltzmann Method for Particle-laden Flows: Point-particles and Fully Resolved Particles. 2016 , 97, 539-570		10	
84	Boundary condition-enforced immersed boundary-lattice Boltzmann flux solver for thermal flows with Neumann boundary conditions. 2016 , 306, 237-252		25	
83	Application of a Three-Dimensional Immersed Boundary Method for Free Convection From Single Spheres and Aggregates. 2016 , 138,		5	
82	Lattice Boltzmann simulation of two cold particles settling in Newtonian fluid with thermal convection. 2016 , 93, 477-490		21	
81	An efficient immersed boundary-lattice Boltzmann flux solver for simulation of 3D incompressible flows with complex geometry. <i>Computers and Fluids</i> , 2016 , 124, 54-66	2.8	18	
80	Direct-forcing immersed boundary lattice Boltzmann simulation of particle/fluid interactions for spherical and non-spherical particles. <i>Particuology</i> , 2016 , 25, 93-103	2.8	23	
79	Lattice Boltzmann method simulations of Stokes number effects on particle trajectories in a wall-bounded flow. <i>Computers and Fluids</i> , 2016 , 124, 208-219	2.8	12	
78	A measurement criterion for accurate mass detection using vibrating suspended microchannel resonators. 2017 , 403, 1-20		6	
77	Spatially resolved mass transfer coefficient for moderate Reynolds number flows in packed beds: Wall effects. 2017 , 110, 406-415		27	
76	A Comparative Study of Three Classes of Boundary Treatment Schemes for Coupled LBM/DEM Simulations. 2017 , 551-560		1	

75	An efficient unified iterative scheme for moving boundaries in lattice Boltzmann method. <i>Computers and Fluids</i> , 2017 , 144, 34-43	2.8	14
74	Effect of internal mass in the lattice Boltzmann simulation of moving solid bodies by the smoothed-profile method. <i>Physical Review E</i> , 2017 , 95, 043309	2.4	17
73	Study of pulsatile pressure-driven electroosmotic flows through an elliptic cylindrical microchannel with the Navier slip condition. 2017 , 2017,		4
7 2	Boundary Conditions for Fluid-Structure Interaction. 2017 , 433-491		
71	Preconditioned lattice Boltzmann method for steady flows: A noncascaded central-moments-based approach. <i>Physical Review E</i> , 2017 , 96, 063308	2.4	11
70	A stress tensor discontinuity-based immersed boundary-lattice Boltzmann method. <i>Computers and Fluids</i> , 2018 , 172, 593-608	2.8	6
69	A thermal immersed boundarylattice Boltzmann method for moving-boundary flows with Dirichlet and Neumann conditions. 2018 , 121, 1099-1117		25
68	Numerical study on mass transfer from a composite particle settling in a vertical channel. 2018 , 117, 132-142		1
67	PROTEUS: A coupled iterative force-correction immersed-boundary cascaded lattice Boltzmann solver for moving and deformable boundary applications. <i>Computers and Mathematics With Applications</i> , 2018 , 75, 1330-1354	2.7	5
66	Inertial migration of single particle in a square microchannel over wide ranges of Re and particle sizes. 2018 , 22, 1		16
65	Numerical study of the particle sedimentation in a viscous fluid using a coupled DEM-IB-CLBM approach. 2018 , 368, 1-20		13
64	One-point second-order curved boundary condition for lattice Boltzmann simulation of suspended particles. <i>Computers and Mathematics With Applications</i> , 2018 , 76, 1593-1607	2.7	21
63	A direct numerical investigation of two-way interactions in a particle-laden turbulent channel flow. 2019 , 875, 1096-1144		19
62	Inertial focusing of a neutrally buoyant particle in stratified flows. 2019 , 31, 102006		4
61	Aggregation in mixing tanks I The role of inter-particle forces. 2019, 152, 278-287		1
60	An approach to distribute the marker points on non-spherical particle/boundary surface within the IBM-LBM framework. 2019 , 108, 254-266		3
59	A comparative study of immersed boundary method and interpolated bounce-back scheme for no-slip boundary treatment in the lattice Boltzmann method: Part I, laminar flows. <i>Computers and Fluids</i> , 2019 , 192, 104233	2.8	10
58	A fictitious domain method for particulate flows of arbitrary density ratio. <i>Computers and Fluids</i> , 2019 , 193, 104293	2.8	4

57	A flowing pair of particles in inertial microfluidics. Soft Matter, 2019, 15, 1988-1998	3.6	16
56	Lattice Boltzmann simulation of particle-laden flows using an improved curved boundary condition. 2019 , 30, 1950041		3
55	Particle-scale computational approaches to model dry and saturated granular flows of non-Brownian, non-cohesive, and non-spherical rigid bodies. 2019 , 230, 1919-1980		19
54	Implicit heat flux correction-based immersed boundary-finite volume method for thermal flows with Neumann boundary conditions. 2019 , 386, 64-83		7
53	Liquid fluidization with cylindrical particles: Highly resolved simulations. 2019 , 65, e16594		6
52	An Overview of Numerical Methods for Incompressible Viscous Flow with Moving Particles. 2019 , 26, 1255-1282		8
51	Non-circular particle treatment in smoothed profile method: a case study of elliptical particles sedimentation using lattice Boltzmann method. 2020 , 41, 315-329		2
50	Convective heat transfer coefficient for a rod-like particle in a uniform flow. 2020 , 147, 118742		2
49	Lifting off a solid sphere from a flat bottom by laminar fluid flow. 2020 , 66, e16886		1
48	Efficient coupling of direct forcing immersed boundary-lattice Boltzmann method and finite element method to simulate fluid-structure interactions. 2020 , 92, 545-572		6
47	A phase-field lattice Boltzmann method for the solution of water-entry and water-exit problems. 2020 ,		4
46	Force-amplified, single-sided diffused-interface immersed boundary kernel for correct local velocity gradient computation and accurate no-slip boundary enforcement. <i>Physical Review E</i> , 2020 , 101, 053305	2.4	4
45	Magnetic Actuation of Surface Walkers: The Effects of Confinement and Inertia. 2020 , 36, 7046-7055		10
44	Shear thickening and history-dependent rheology of monodisperse suspensions with finite inertia via an immersed boundary lattice Boltzmann method. <i>International Journal of Multiphase Flow</i> , 2020 , 125, 103205	3.6	6
43	Numerical study of hot and cold spheroidal particles in a viscous fluid. 2020 , 149, 119206		5
42	Adding active particles for overall aggregation in a mixing tank: A computational study. <i>Canadian Journal of Chemical Engineering</i> , 2020 , 98, 2451-2460	2.3	O
41	Numerical simulation of elliptical particles sedimentation in power-law fluid using the improved smoothed profile-lattice Boltzmann method. 2021 , 39, 569-589		2
40	An immersed interface-lattice Boltzmann method for fluid-structure interaction. 2021 , 428, 109807		9

39	Direct numerical simulation of proppant transport in hydraulic fractures with the immersed boundary method and multi-sphere modeling. 2021 , 91, 590-613		5
38	A pair of particles in inertial microfluidics: effect of shape, softness, and position. <i>Soft Matter</i> , 2021 , 17, 4804-4817	3.6	10
37	Double-D2Q9 lattice Boltzmann models with extended equilibrium for two-dimensional magnetohydrodynamic flows. 2021 , 33, 035143		5
36	Control of a sedimenting elliptical particle by electromagnetic forces. 2021 , 33, 033305		4
35	A three-dimensional phase-field lattice Boltzmann method for incompressible two-components flows. 2021 , 33, 043315		6
34	Inertial focusing of neutrally buoyant particles in heterogenous suspensions. 2021, 328, 115410		2
33	Local force calculations by an improved stress tensor discontinuity-based immersed boundary[attice Boltzmann method. 2021 , 33, 047104		5
32	Strongly coupled peridynamic and lattice Boltzmann models using immersed boundary method for flow-induced structural deformation and fracture. 2021 , 435, 110267		2
31	Wall Effects on the Flow Dynamics of a Rigid Sphere in Motion. 2021 , 143,		
30	Fully-resolved simulations of a sphere settling in an initially unstructured thixo-viscoplastic fluid. 2021 , 294, 104574		2
29	Study on the binding focusing state of particles in inertial migration. 2021 , 97, 1-18		4
28	Particle actuation by rotating magnetic fields in microchannels: a numerical study. <i>Soft Matter</i> , 2021 , 17, 5590-5601	3.6	
27	Inertial focusing in two dimensional flows with sharp viscosity stratification in a microchannel. <i>Journal of Micromechanics and Microengineering</i> , 2020 , 30, 115009	2	1
26	Numerical Model for Moving Solid-Liquid Boundary Based on the Lattice Boltzmann Method and Applications to Particulate Flow Systems. <i>Journal of the Society of Powder Technology, Japan</i> , 2018 , 55, 536-541	0.3	2
25	An immersed boundary-lattice Boltzmann framework for fully resolved simulations of non-spherical particle settling in unbounded domain. <i>Computers and Mathematics With Applications</i> , 2021 , 102, 206-21	3 .7	1
24	Mesoscale Models for Self-organization Simulation of Fine Particles in Fluid. <i>Journal of the Society of Powder Technology, Japan</i> , 2010 , 47, 327-338	0.3	
23	A Lagrangian point approximation based immersed boundary-lattice Boltzmann method for FSI problems involving deformable body. <i>International Journal of Computational Methods</i> ,	1.1	
22	Inclusion of DLVO forces in simulations of non-Brownian solid suspensions: Rheology and structure. <i>International Journal of Multiphase Flow</i> , 2022 , 149, 103929	3.6	O

21	Re-examining the partially saturated-cells method for incompressible flows with stationary and moving bodies. <i>Computers and Mathematics With Applications</i> , 2022 , 110, 19-39	2.7	
20	A simple and efficient parallel immersed boundary-lattice Boltzmann method for fully resolved simulations of incompressible settling suspensions. <i>Computers and Fluids</i> , 2022 , 237, 105322	2.8	Ο
19	Particle distribution function discontinuity-based kinetic immersed boundary method for Boltzmann equation and its applications to incompressible viscous flows <i>Physical Review E</i> , 2022 , 105, 035306	2.4	1
18	Multi-Scale Numerical Simulation of Flow, Heat and Mass Transfer Behaviors in Dense Gas-Solid Flows: A Brief Review. <i>Journal of Thermal Science</i> , 1	1.9	1
17	Direct simulation on particle sedimentation mechanisms in corrosive liquids. <i>Powder Technology</i> , 2022 , 117503	5.2	0
16	On the settling of spherical particles in power-law fluid at moderate Reynolds number. <i>Powder Technology</i> , 2022 , 117510	5.2	O
15	Lateral migration of cylindrical particle in a constricted microchannel numerical study. <i>Canadian Journal of Chemical Engineering</i> ,	2.3	1
14	Fully resolved simulations of viscoelastic suspensions by an efficient immersed boundary-lattice Boltzmann method. <i>Particuology</i> , 2022 ,	2.8	1
13	Fluid-driven transport of round sediment particles: From discrete simulations to continuum modeling. <i>Journal of Geophysical Research F: Earth Surface</i> ,	3.8	0
12	An immersed boundary/multi-relaxation time lattice Boltzmann method on adaptive octree grids for the particle-resolved simulation of particle-laden flows. 2022 , 471, 111669		O
11	Computational Methods for Simulating Dynamics of Particles at Fluid Eluid Interface. 2022, 59, 446-454		0
10	Control force and inertial migration in Poiseuille flow: a computational study. 1-12		O
9	Efficient monolithic immersed boundary projection method for incompressible flows with heat transfer. 2023 , 111929		0
8	Efficient methods for particle-resolved direct numerical simulation. 2023 , 147-184		O
7	Liquid Fluidization of Short Hollow Cylinders.		O
6	Numerical study on heat and mass transfer mechanisms of Janus particle sedimentation considering corrosion. 2023 , 83, 71-90		O
5	Settling and fluidization of tall cylinders in solid-liquid suspensions.		0
4	An Explicit-Correction-Force Scheme of IB-LBM Based on Interpolated Particle Distribution Function. 2023 , 25, 526		O

CITATION REPORT

Microparticle separation using dielectrophoresis-assisted inertial microfluidics: A GPU-accelerated immersed boundarylattice Boltzmann simulation. 2023, 107,

An explicit boundary condition-enforced immersed boundary-reconstructed thermal lattice Boltzmann flux solver for thermalfluidfltructure interaction problems with heat flux boundary conditions. 2023, 485, 112106

Kinetic modeling of immersed boundary layer for accurate evaluation of local surface stresses and hydrodynamic forces with diffuse interface immersed boundary method. 2023, 35, 043609