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Unconditionally Gradient Stable Time Marching the Cahn-Hilliard Equation

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197	A Scalable Implicit Solver for Phase Field Crystal Simulations. 2013,		1
196	A parallel multigrid method of the CahnHilliard equation. 2013 , 71, 89-96		13
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194	A simple and efficient scheme for phase field crystal simulation. 2013 , 47, 1413-1432	37
193	On a fractional step-splitting scheme for the Cahn-Hilliard equation. 2014 , 31, 1151-1168	6
192	Level Set, Phase-Field, and Immersed Boundary Methods for Two-Phase Fluid Flows. 2014 , 136,	16
191	Stabilized second-order convex splitting schemes for Cahn-Hilliard models with application to diffuse-interface tumor-growth models. 2014 , 30, 180-203	95
190	Physical, mathematical, and numerical derivations of the CahnHilliard equation. 2014 , 81, 216-225	75
189	A convergent convex splitting scheme for the periodic nonlocal Cahn-Hilliard equation. 2014 , 128, 377-406	49
188	A Linear Iteration Algorithm for a Second-Order Energy Stable Scheme for a Thin Film Model Without Slope Selection. 2014 , 59, 574-601	48
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186	Energy-minimizing wavelengths of equilibrium states for diblock copolymers in the hex-cylinder phase. 2015 , 15, 799-804	8
185	A hybrid numerical method for the phase-field model of fluid vesicles in three-dimensional space. 2015 , 78, 63-75	1
184	Finite-Horizon Parameterizing Manifolds, and Applications to Suboptimal Control of Nonlinear Parabolic PDEs. 2015 , 135, 81-144	6
183	Efficient energy stable numerical schemes for a phase field moving contact line model. 2015 , 284, 617-630	72
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181	An Efficient Two-Grid Scheme for the Cahn-Hilliard Equation. 2015 , 17, 127-145	15
180	The numerical solution of CahnHilliard (CH) equation in one, two and three-dimensions via globally radial basis functions (GRBFs) and RBFs-differential quadrature (RBFs-DQ) methods. 2015 , 51, 74-100	49
179	A least squares based finite volume method for the CahnHilliard and CahnHilliard-reaction equations. 2015 , 273, 225-244	2
178	Phase field simulation of a droplet impacting a solid surface. 2016 , 28, 022103	34
177	POSTPROCESSING MIXED FINITE ELEMENT METHODS FOR SOLVING CAHN-HILLIARD EQUATION: METHODS AND ERROR ANALYSIS. 2016 , 67, 724-746	9

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175	Numerical simulation of phase separation in cathode materials of lithium ion batteries. 2016 , 100-101, 456-469	8
174	Analysis of the operator splitting scheme for the Allen©ahn equation. 2016 , 70, 472-483	11
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172	Optimization of the branching pattern in coherent phase transitions. 2016 , 354, 639-644	3
171	Energy SSP-IMEX RungeRutta methods for the CahnHilliard equation. 2016 , 292, 576-590	5
170	A Decoupled Unconditionally Stable Numerical Scheme for the CahnHilliardHele-Shaw System. 2016 , 66, 1102-1121	21
169	Stability and convergence of a second-order mixed finite element method for the CahnHilliard equation. 2016 , 36, 1867-1897	71
168	Comparison study of the conservative Allentahn and the CahnHilliard equations. 2016, 119, 35-56	26
167	Toward Predictive Multiscale Modeling of Vascular Tumor Growth. 2016 , 23, 735-779	44
166	A reduced order method for Allen C ahn equations. 2016 , 292, 213-229	10
165	A finite difference method for a conservative AllenLahn equation on non-flat surfaces. 2017 , 334, 170-181	16
164	A Discontinuous Galerkin Finite Element Framework for the Direct Numerical Simulation of Flow on High-Resolution Pore-Scale Images. 2017 ,	3
163	Phase-field model and its splitting numerical scheme for tissue growth. 2017 , 117, 22-35	5
162	Computationally efficient adaptive time step method for the CahnHilliard equation. 2017, 73, 1855-1864	23
161	A Second-Order Operator Splitting Fourier Spectral Method for Models of Epitaxial Thin Film Growth. 2017 , 71, 1303-1318	4
160	A novel linear second order unconditionally energy stable scheme for a hydrodynamic Q-tensor model of liquid crystals. 2017 , 318, 803-825	71
159	Error estimates for time discretizations of CahnHilliard and Allentahn phase-field models for two-phase incompressible flows. 2017 , 137, 417-449	20

(2018-2017)

158	A fast immersed interface method for the CahnHilliard equation with arbitrary boundary conditions in complex domains. 2017 , 140, 22-31	2
157	Unconditional Energy Stability Analysis of a Second Order Implicit E xplicit Local Discontinuous Galerkin Method for the Cahn⊞illiard Equation. 2017 , 73, 1178-1203	16
156	Uniquely solvable and energy stable decoupled numerical schemes for the CahnHilliardBtokesDarcy system for two-phase flows in karstic geometry. 2017 , 137, 229-255	16
155	Numerical Analysis of Second Order, Fully Discrete Energy Stable Schemes for Phase Field Models of Two-Phase Incompressible Flows. 2017 , 70, 965-989	51
154	Spatially Localized Self-Assembly Driven by Electrically Charged Phase Separation. 2017, 16, 1946-1968	13
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152	The combination of POD model reduction with adaptive finite element methods in the context of phase field models. 2017 , 17, 47-50	2
151	Decoupled, Linear, and Energy Stable Finite Element Method for the CahnHilliardNavierStokesDarcy Phase Field Model. 2018 , 40, B110-B137	50
150	A finite volume / discontinuous Galerkin method for the advective CahnHilliliard equation with degenerate mobility on porous domains stemming from micro-CT imaging. 2018 , 22, 543-563	21
149	Mathematical Model of Contractile Ring-Driven Cytokinesis in a Three-Dimensional Domain. 2018 , 80, 583-597	6
148	A Second Order Energy Stable Linear Scheme for a Thin Film Model Without Slope Selection. 2018 , 76, 1905-1937	22
147	Efficient energy stable schemes for isotropic and strongly anisotropic Cahn⊞illiard systems with the Willmore regularization. 2018 , 365, 56-73	19
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141	Calibration of Multi-Parameter Models of Avascular Tumor Growth Using Time Resolved Microscopy Data. 2018 , 8, 14558	8

140	Entropy stable modeling of non-isothermal multi-component diffuse-interface two-phase flows with realistic equations of state. 2018 , 341, 221-248	10
139	Efficient Second Order Unconditionally Stable Schemes for a Phase Field Moving Contact Line Model Using an Invariant Energy Quadratization Approach. 2018 , 40, B889-B914	42
138	POD reduced-order modeling for evolution equations utilizing arbitrary finite element discretizations. 2018 , 44, 1941-1978	17
137	Higher order spectral element scheme for two- and three-dimensional Cahn⊞illiard equation. 2018 , 10, 79-89	1
136	On Efficient Second Order Stabilized Semi-implicit Schemes for the CahnHilliard Phase-Field Equation. 2018 , 77, 1185-1209	15
135	A Second Order in Time, Decoupled, Unconditionally Stable Numerical Scheme for the CahnHilliardDarcy System. 2018 , 77, 1210-1233	20
134	Linear energy stable methods for an epitaxial growth model with slope selection. 2018, 29, 1850059	
133	Direct Numerical Simulation of Flow on Pore-Scale Images Using the Phase-Field Method. 2018 , 23, 1833-185	i0 21
132	A Third Order Exponential Time Differencing Numerical Scheme for No-Slope-Selection Epitaxial Thin Film Model with Energy Stability. 2019 , 81, 154-185	36
131	Optimal Convergence Analysis of a Second Order Scheme for a Thin Film Model Without Slope Selection. 2019 , 80, 1716-1730	4
130	A conservative finite difference scheme for the N-component CahnHilliard system on curved surfaces in 3D. 2019 , 119, 149-166	4
129	Two Structure-Preserving Time Discretizations for Gradient Flows. 2019 , 80, 733-764	2
128	Fast, unconditionally energy stable large time stepping method for a new Allen¶ahn type square phase-field crystal model. 2019 , 98, 248-255	12
127	Energy Stable Semi-implicit Schemes for Allen¶ahnDhtaRawasaki Model in Binary System. 2019 , 80, 1656-1680	6
126	A variant of scalar auxiliary variable approaches for gradient flows. 2019 , 395, 307-332	20
125	Second Order Linear Energy Stable Schemes for Allen-Cahn Equations with Nonlocal Constraints. 2019 , 80, 500-537	7
124	Numerical complete solution for random genetic drift by energetic variational approach. 2019 , 53, 615-634	8
123	Fast, provably unconditionally energy stable, and second-order accurate algorithms for the anisotropic Cahn⊞illiard Model. 2019 , 351, 35-59	63

(2020-2019)

122	An unconditionally energy stable scheme for simulating wrinkling phenomena of elastic thin films on a compliant substrate. 2019 , 388, 123-143	5
121	Numerical error analysis for nonsymmetric interior penalty discontinuous Galerkin method of CahnHilliard equation. 2019 , 35, 1509-1537	7
120	Numerical methods for porous medium equation by an energetic variational approach. 2019 , 385, 13-32	5
119	Fourth-Order Spatial and Second-Order Temporal Accurate Compact Scheme for CahnHilliard Equation. 2019 , 20, 137-143	1
118	Energy-stable Runge K utta schemes for gradient flow models using the energy quadratization approach. 2019 , 94, 224-231	27
117	A linearly second-order energy stable scheme for the phase field crystal model. 2019 , 140, 134-164	7
116	A High-Order Convex Splitting Method for a Non-Additive CahnHilliard Energy Functional. 2019 , 7, 1242	3
115	Towards Infinite Tilings with Symmetric Boundaries. 2019 , 11, 444	1
114	Energy-Decaying Extrapolated RKSAV Methods for the AllenCahn and CahnHilliard Equations. 2019 , 41, A3703-A3727	35
113	On Energy Dissipation Theory and Numerical Stability for Time-Fractional Phase-Field Equations. 2019 , 41, A3757-A3778	39
112	An energy stable method for the SwiftHohenberg equation with quadraticDubic nonlinearity. 2019 , 343, 40-51	19
111	Energy stable compact scheme for CahnHilliard equation with periodic boundary condition. 2019 , 77, 189-198	8
110	Highly Efficient and Accurate Numerical Schemes for the Epitaxial Thin Film Growth Models by Using the SAV Approach. 2019 , 78, 1467-1487	34
109	Linear second order energy stable schemes for phase field crystal growth models with nonlocal constraints. 2020 , 79, 764-788	7
108	Efficient modified stabilized invariant energy quadratization approaches for phase-field crystal equation. 2020 , 85, 107-132	18
107	Arbitrarily high-order unconditionally energy stable SAV schemes for gradient flow models. 2020 , 249, 107033	21
106	Chebyshev collocation method for the constant mobility CahnHilliard equation in a square domain. 2020 , 370, 124931	1
105	Thermodynamically consistent phase-field modelling of contact angle hysteresis. 2020, 899,	9

104	An adaptive isogeometric analysis approach to elasto-capillary fluid-solid interaction. 2020 , 122, 5331	4
103	Maximum Principle Preserving Schemes for Binary Systems with Long-Range Interactions. 2020 , 84, 1	2
102	Scalar Active Mixtures: The Nonreciprocal Cahn-Hilliard Model. 2020 , 10,	15
101	Symmetry Breaking Resulting from Long-Range Interactions in Out of Equilibrium Systems: Elastic Properties of Irradiated AgCu. 2020 , 125, 246103	1
100	A novel fully decoupled scheme with second-order time accuracy and unconditional energy stability for the Navier-Stokes equations coupled with mass-conserved Allen-Cahn phase-field model of two-phase incompressible flow. 2020 , 122, 1283	5
99	Non-iterative, unconditionally energy stable and large time-stepping method for the Cahn-Hilliard phase-field model with Flory-Huggins-de Gennes free energy. 2020 , 46, 1	O
98	A stabilized second order exponential time differencing multistep method for thin film growth model without slope selection. 2020 , 54, 727-750	14
97	Energy stable higher-order linear ETD multi-step methods for gradient flows: application to thin film epitaxy. 2020 , 7, 1	11
96	Error Analysis of a Decoupled, Linear Stabilization Scheme for the CahnHilliard Model of Two-Phase Incompressible Flows. 2020 , 83, 1	2
95	Stability Condition of the Second-Order SSP-IMEX-RK Method for the Cahn⊞illiard Equation. 2020 , 8, 11	7
94	Novel mass-conserving Allen¶ahn equation for the boundedness of an order parameter. 2020 , 85, 105224	3
93	Convergence Analysis for the Invariant Energy Quadratization (IEQ) Schemes for Solving the CahnHilliard and AllenCahn Equations with General Nonlinear Potential. 2020 , 82, 1	17
92	Stabilized Energy Factorization Approach for Allen©ahn Equation with Logarithmic Flory⊞uggins Potential. 2020 , 82, 1	12
91	Energy-stable predictorforrector schemes for the CahnHilliard equation. 2020 , 376, 112832	O
90	Efficient, decoupled, and second-order unconditionally energy stable numerical schemes for the coupled Cahn⊞illiard system in copolymer/homopolymer mixtures. 2021 , 260, 107290	10
89	Novel energy stable schemes for Swift-Hohenberg model with quadratic-cubic nonlinearity based on the H 1 1-gradient flow approach. 2021 , 87, 633-650	2
88	Side wall boundary effect on the Rayleigh Taylor instability. 2021 , 85, 361-374	5
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86	Numerical methods for a system of coupled Cahn-Hilliard equations. 2021 , 12, 1-12	1
85	On a novel full decoupling, linear, second-order accurate, and unconditionally energy stable numerical scheme for the anisotropic phase-field dendritic crystal growth model. 2021 , 122, 4129-4153	7
84	Efficient, second-order in time, and energy stable scheme for a new hydrodynamically coupled three components volume-conserved Allen Lahn phase-field model. 2021 , 31, 753-787	2
83	Step-by-step solving schemes based on scalar auxiliary variable and invariant energy quadratization approaches for gradient flows. 1	3
82	A linear, high-order, and unconditionally energy stable scheme for the epitaxial thin film growth model without slope selection. 2021 , 163, 30-42	4
81	Unconditionally positivity preserving and energy dissipative schemes for PoissonNernstPlanck equations. 2021 , 148, 671-697	3
80	Modelling and computation of liquid crystals. 2021, 30, 765-851	5
79	Finite element solution of nonlocal CahnHilliard equations with feedback control time step size adaptivity. 2021 , 122, 5028-5052	
78	A Reduced Order Model for a Stable Embedded Boundary Parametrized CahnHilliard Phase-Field System Based on Cut Finite Elements. 2021 , 89, 1	0
77	Energy dissipationBreserving time-dependent auxiliary variable method for the phase-field crystal and the Swift⊞ohenberg models. 1	O
76	The stabilized-trigonometric scalar auxiliary variable approach for gradient flows and its efficient schemes. 2021 , 129, 1	3
75	Efficient unconditionally stable numerical schemes for a modified phase field crystal model with a strong nonlinear vacancy potential.	O
74	Conservative unconditionally stable decoupled numerical schemes for the CahnHilliardNavierBtokesDarcyBoussinesq system.	O
73	A Linear Unconditionally Stable Scheme for the Incompressible CahnHilliardNavierBtokes Phase-Field Model. 1	О
72	An error estimate for a finite-volume scheme for the CahnHilliard equation with dynamic boundary conditions. 2021 , 149, 185-226	2
71	A second order linear energy stable numerical method for the Cahn-Hilliard-Hele-Shaw system. 2021 , 403, 113788	1
70	Non-iterative compact operator splitting scheme for Allen¶ahn equation. 2021, 40, 1	
69	Unconditionally energy stable second-order numerical scheme for the Allen C ahn equation with a high-order polynomial free energy. 2021 , 2021,	1

68	Arbitrarily high order structure-preserving algorithms for the Allen-Cahn model with a nonlocal constraint. 2021 , 170, 321-339	1
67	A non-iterative and unconditionally energy stable method for the SwiftHohenberg equation with quadraticBubic nonlinearity. 2022 , 123, 107579	2
66	The back-and-forth method for Wasserstein gradient flows. 2021 , 27, 28	O
65	Asymptotic Behaviour of Time Stepping Methods for Phase Field Models. 2021 , 86, 32	2
64	Node Classification for Signed Social Networks Using Diffuse Interface Methods. 2020 , 524-540	3
63	A Nonlinear Model Predictive Concept for Control of Two-Phase Flows Governed by the Cahn-Hilliard Navier-Stokes System. 2013 , 348-357	5
62	A novel second-order linear scheme for the Cahn-Hilliard-Navier-Stokes equations. 2020 , 423, 109782	6
61	Nonlinear Multigrid Implementation for the Two-Dimensional CahnHilliard Equation. 2020 , 8, 97	2
60	An unconditionally stable numerical method for the viscous CahnHilliard equation. 2014 , 19, 1737-1747	2
59	Stability and convergence analysis for the implicit-explicit method to the Cahn-Hilliard equation.	1
58	A Novel Energy Stable Numerical Scheme for Navier-Stokes-Cahn-Hilliard Two-Phase Flow Model with Variable Densities and Viscosities. 2018 , 113-128	1
57	Second-order stabilized semi-implicit energy stable schemes for bubble assemblies in binary and ternary systems. 2021 ,	О
56	A linearly second-order, unconditionally energy stable scheme and its error estimates for the modified phase field crystal equation. 2021 , 103, 104-126	O
55	Stable IMEX schemes for a Nitsche-based approximation of elastodynamic contact problems. Selective mass scaling interpretation. 6, 159-185	
54	Compatible L 2 Norm Convergence of Variable-Step L1 Scheme for the Time-Fractional MBE Mobel with Slope Selection.	
53	A Cahn⊞illiard B iot system and its generalized gradient flow structure. 2021 , 126, 107799	1
52	A BDF2 energy-stable scheme for the binary fluid-surfactant hydrodynamic model.	
51	Modeling and numerical simulation of surfactant systems with incompressible fluid flows on surfaces. 2022 , 390, 114450	O

A stabilized hybrid discontinuous Galerkin method for the Cahn Hilliard equation. 2022, 406, 114025 50 Convergence analysis of structure-preserving numerical methods for nonlinear Fokker lanck 49 equations with nonlocal interactions. Improving the accuracy and consistency of the scalar auxiliary variable (SAV) method with 6 48 relaxation. 2022, 456, 110954 A Globally Convergent Modified Newton Method for the Direct Minimization of the Ohta--Kawasaki 47 Energy with Application to the Directed Self-Assembly of Diblock Copolymers. 2022, 44, B51-B79 On fully decoupled MSAV schemes for the CahnHilliardNavierBtokes model of two-phase 46 O incompressible flows. 1-39 The Operator-Splitting Method for Cahn-Hilliard is Stable. 2022, 90, 1 45 Simulation and Control of a Nonsmooth CahnHilliard NavierBtokes System with Variable Fluid 44 Densities. 2022, 211-240 A remark on the invariant energy quadratization (IEQ) method for preserving the original energy 43 dissipation laws. 2022, 30, 701-714 Solving phase-field models in the tensor train format to generate microstructures of bicontinuous 1 42 composites. 2022, Some Efficient Precoditioners for the Semi-implicit Systems of the Cahn-Hilliard Equation. 2021, 41 A High-Order and Unconditionally Energy Stable Scheme for the Conservative Allen Cahn Equation 40 with a Nonlocal Lagrange Multiplier. 2022, 90, 1 A stabilized fully-discrete scheme for phase field crystal equation. 2022, 178, 337-355 39 38 OUP accepted manuscript. 1 Late stage coarsening kinetics induced by a phase-dependent mobility: A phase field study of FeCr 37 in the spinodal regime. 2022, 131, 165110 A Novel Second-Order and Unconditionally Energy Stable Numerical Scheme for Allen Lahn 36 Equation. 2022, 2022, 1-9 A dual resolution phase-field solver for wetting of viscoelastic droplets. 35 Numerical investigation into the dependence of the Allen Tahn equation on the free energy. 2022, 34 48, A new Allentahn type two-model phase-field crystal model for fcc ordering and its numerical 33 approximation. **2022**, 132, 108211

32	Effective time step analysis for the AllenCahn equation with a high-order polynomial free energy.	
31	Why large time-stepping methods for the Cahn-Hilliard equation is stable.	О
30	A unified finite volume framework for phase-field simulations of an arbitrary number of fluid phases.	
29	Unconditionally Energy Stable and Bound-Preserving Schemes for Phase-Field Surfactant Model with Moving Contact Lines. 2022 , 92,	O
28	A general class of linear unconditionally energy stable schemes for the gradient flows. 2022 , 464, 111372	
27	Efficient Fourier Spectral Approximation for Nonlinear Second-Order Problems with Variable Coefficients. 2022 , 11, 4268-4277	
26	Positivity-preserving and unconditionally energy stable numerical schemes for MEMS model. 2022,	О
25	Three decoupled, second-order accurate, and energy stable schemes for the conserved Allen@ahn-type block copolymer (BCP) model.	
24	Compatible L2 norm convergence of variable-step L1 scheme for the time-fractional MBE model with slope selection. 2022 , 111467	О
23	An efficient maximum bound principle preserving p-adaptive operator-splitting method for three-dimensional phase field shape transformation model. 2022 , 120, 78-91	
22	A highly accurate bound-preserving phase field method for incompressible two-phase flows.	
21	Two energy stable variable-step L1 schemes for the time-fractional MBE model without slope selection. 2022 , 114702	
20	A local meshless method for transient nonlinear problems: Preliminary investigation and application to phase-field models. 2022 , 124, 163-187	0
19	Error Analysis of a Linear Stable Scheme for the Incompressible Cahn-Hilliard-Navier-Stokes Model.	Ο
18	A Decoupled Energy Stable Numerical Scheme for the Modified CahnHilliardHeleBhaw System with Logarithmic Potential. 2022 , 2022, 1-21	O
17	Fully-Decoupled and Second-Order Time-Accurate Scheme for the CahnHilliard OhtaKawaski Phase-Field Model of Diblock Copolymer Melt Confined in HeleBhaw Cell.	O
16	An efficient and physically consistent numerical method for the MaxwellBtefanDarcy model of two-phase flow in porous media.	0
15	Non-classical critical precipitates in a nucleation and growth regime: Reconciliation of simulation and experiment. 2022 , 121, 184102	O

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8	Efficient and energy stable numerical schemes for the two-mode phase field crystal equation. 2023 , 427, 115148	0
7	An energy-stable Smoothed Particle Hydrodynamics discretization of the Navier-Stokes-Cahn-Hilliard model for incompressible two-phase flows. 2023 , 479, 111997	О
6	A second-order BDF convex splitting numerical scheme for the Ericksen-Leslie equation.	O
5	A robust solution strategy for the Cahn-Larch[equations. 2023 , 136, 112-126	О
4	A multiphase Cahn-Hilliard system with mobilities and the numerical simulation of dewetting.	0
3	A Positivity-Preserving, Energy Stable BDF2 Scheme with Variable Steps for the CahnHilliard Equation with Logarithmic Potential. 2023 , 95,	О
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1	Numerical algorithms of subdivision-based IGA-EIEQ method for the molecular beam epitaxial growth models on complex surfaces.	o