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10974	C001	Philipp Horn, Barry Koren	Structure-Preserving Neural Networks for Hamiltonian Systems
11233	C002	Xuanzhao Gao, Zecheng Gan	Random batch Quasi-Ewald method for the simulations of charged particles under dielectric confinement
11323	C003	Mallory Gaspard, Alexander Vladimirsky	Opportunistically Stochastic Shortest Path Problems: From PDEs to AV-Routing
11404	C004	Henok Tenaw Moges, Thanos Manos, and Charalampos Skokos	Anomalous diffusion and chaotic motion in coupled standard map lattices
11422	C005	John Olajide Akanni	Modeling the effect of unemployment and mass media on illicit drug use and terrorism dynamics
11425	C006	Gyeonggyu, Lee	Study on decoupled projection method for Cahn-Hilliard equation
11440	C007	Francisco Holguin, GS Sidharth, Gavin Portwood	Multigrid solver with super-resolved interpolation
11643	C008	Kun-Huang Chen, Ming- Hsuan Chen, Wei-Jie Liang	Medical Judgment Assistant: Data Classification base on Mahalanobis Distance
11649	C009	Sonali Mayani, Antoine Cerfon, Tobia Claglüna, Matthias Frey, Severin Klapproth, Michael Ligotino, Veronica Montanaro, Sriramkrishnan Muralikrishnan, Alessandro Vinciguerra, Andreas Adelmann	IPPL 2.0: A massively parallel performance portable C++ Particle-in-Cell framework
11758	C010	Bob Senyange	Localized and spreading chaos in nonlinear multidimensional disordered lattices
11826	C011	Tanvi Singla, Sapna Sharma, Bhuvaneshvar Kumar	Analysis of viscous dissipative flow of Casson hybrid nanofluid at the stagnation point over a rotating sphere
12086	C012	Massimiliano Fasi, Mantas Mikaitis	CPFloat: A C Library for Simulating Low-Precision Arithmetic
12297	C013	Shiro Hirano	Modeling earthquake process and ground motion based on a stochastic differential equation
12367	C014	Parul Tomar, Amit Kumar	A modified approach for fractional transportation problem under interval-valued Fermatean fuzzy sets
12371	C015	Kirti, Tina Verma, Amit Kumar	Inappropriateness in simple non-cooperative games with intuitionistic fuzzy information
12392	C016	Kayo Kinjo, Akiyasu Tomoeda	Exploring the Impact of Controlled Vehicles on Mixed Traffic in Cellular Automata
12425	C017	Brennan Sprinkle, Yan Gao, David Marr, Ning Wu	Soft magnetic microrobots move more efficiently with a flat tire
12452	C018	Md. M. Alam, Rina Begum, Mohammad Mahfuzul Islam and M. M. Parvez	Numerical Study of Temperature Dependent Viscosity and Thermal Conductivity on a Natural Convection Flow over a Sphere in Presence of Magneto Hydrodynamics
12469	C019	Jin-Guo Liu, Xun Gao, Madelyn Cain, Mikhail D. Lukin, Sheng-Tao Wang	Computing solution space properties of combinatorial optimization problems via generic tensor networks

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12516	C020	D. Bansal, D. Ghosh, S. Sircar	Selection mechanism in non-Newtonian Saffman-Taylor fingers
12590	C021	Kat Phillips, Paul Milewski	Drop Impact: modelling a lubrication air layer and surface waves in droplet rebound dynamics.
12606	C022	Jung-Fa Tsai, Ming-Hua Lin	An efficient optimization approach for three-dimensional packing problems
12662	C023	Demba Ba, Akshunna S. Dogra, Rikab Gambhir, Abiy Tasissa, Jesse Thaler	Shaping up scientific Machine Learning
12727	C024	Zheng Yang, Zecheng Gan, Rui Zhang	Dynamical Motion of Surface Active Flow Driven Droplets
12731	C025	Makoto Narita	Strong cosmic censorship theorem in Bakry-Emery spacetimes
13043	C026	Marc Calvo-Schwarzwalder, Abel Valverde, Maria Aguareles, Timothy Myers	Competitive Adsorption Processes Applied to Contaminant Removal
13047	C027		Energy landscape analysis for two-phase multi-component NVT flash systems by using ETD type high-index saddle dynamics
13068	C028	Zhenlu Cui	Phase Transitions in Active Polar Liquid Crystals
13087	C029	Yasunari Zempo, Satoru S. Kano	Electronic structure calculation in meshless particle method
13187	C030	Reetika Chawla, Komal Deswal, Devendra Kumar, Dumitru Baleanu	Numerical simulation for generalized time-fractional Burgers' equation with three distinct linearization schemes
13259	C031	Muhammad Hassan, Yvon MADAY, Yipeng WANG	A posteriori error estimates and their use for a least-cost strategy to achieve target accuracy
13273	C032	Zeng Lin	Numerical calculation of the portal pressure gradient of the human liver
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13302	C035	Seungyoon Kang, Junseok Kim	Numerical solution of one-dimensional Fisher–Kolmogorov– Petrovsky–Piskunov equation for unconditional stability and positivity-preserving
13334	C036	Teng Changqing	Neural option pricing for the rough Bergomi model
13359	C037	Zeyu Jin, Ruo Li	Natural model reduction for kinetic equations
13369	C038	Hussain Kadhem	Using the Neural ODE Toolkit For a Geometric Resolution of the Numerical Sign Problem
13378	C039	Takumu Maehashi, Momoko Hayamizu	Inferring the maturation trajectory of human iPS cell-derived megakaryocytes with topological data analysis
13381	C040	Xianping Wu	The refined error bounds for LCP of H+-matrix
13391	C041	M. Geogdzhayeva, Andre Souza, Raffaele Ferrari	Extreme Event Projection for a Changing Chaotic Attractor
13396	C042	Jongbin Yoon, Habin Yim, Sun-Chul Kim	Stuart vortices on a hyperbolic sphere
13416	C043	Jinkai Chen,Hao Zhou, Jikui Luo	Universal Triboelectric Nanogenerator (TENG) Simulation Method and Design Automation System
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13425	C045	Tokuhiro Eto, Yoshikazu Giga	Minimizing movement for mean curvature flow with
			prescribed contact angle in curved domain
13445	C046	Colton Bryant, David Chopp,	An overset grid scheme for studying particles confined to
		Michael Miksis	fluid interfaces
13461	C047	Hidetomo Hoshino, Takuya	Improving constraint stability of covariant BSSN formalism
		Tsuchiya, Gen Yoneda	of the Einstein equations against homogeneous and
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13470	C048	Piotr Skrzypacz, Bek	Analysis of solidification phenomena in Bulkley-Herschel
		Kabduali, Rustem Takhanov,	extrusion flows
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13471	C049	Boris Golman, Vsevolod V.	Novel Semi-Analytical Methods for Nonisothermal
		Andreev, Piotr Skrzypacz	Diffusion-Reaction Processes in Catalyst Pellets with
			Arbitrary Reaction Kinetics
13472	C050	Tianhao HU ; Zecheng GAN	Multigrid POD Galerkin Method for multiscale
-			inhomogeneous PDEs
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		Renier Mendoza, Arrianne	Optimization Algorithm
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		Huang, Xuehai Huang	strain gradient elasticity model
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13337	C002	Sriram Sankaranarayanan	cooperative security Against Interdependent risks
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13570	C064	Ebony Lee, Milija Zupanski,	Ensemble-based data assimilation system for satellite
13370	C004	Seon Ki Park	aerosol observation and regional aerosol prediction model
13571	C065	Di Xiao	Distributionally Robust Crew Pairing
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13590	C066	Shinsuke NAKAMURA	The high-speed scaling and squaring for the matrix functions appeared in exponential integrators
13599	C067	Felix Liu, Albin Fredriksson, Stefano Markidis	Iterative Linear Solvers for Interior Point Methods with Applications in Radiation Therapy
13602	C068	Feifan Zhou, Yiwei Ye, Wansuo Duan, He Zhang	Comparisons of sensitive areas identified by adjoint sensitivity, singular vector, and conditional nonlinear optimal perturbations for tropical cyclone targeted observations
13613	C069	Sébastien Boyaval	New symmetric-hyperbolic PDEs for viscoelastic fluids
13629	C080	Dipo Aldila, Joseph P. Chavez, Sheryl N. Salim	Assessing the potential impact of repellent use, early screening, and vector control on lymphatic filariasis transmission
13648	C070	Tianyu Wang, Yasong Feng	Convergence Rates of Stochastic Zeroth-order Gradient Descent for Łojasiewicz Functions
13648	C071	Yasong Feng, Weijian Luo, Yimin Huang, Tianyu Wang	A Lipschitz Bandits Approach for Continuous Hyperparameter Optimization
13650	C072	Shingyu Leung, Ken K.T. Hung	A Multilayer Level Set Method for Modelling Dynamic Interfaces with an Application to an Elliptic Inverse Problem
13651	C073	Sunhwa Choi, Soyoung Kim	Assessing Excess Mortality During the COVID-19 Pandemic in South Korea
13658	C074	Takanori Asaki , Akiyasu Tomoeda	On degree of illusional effect of different three-dimensional objects reconstructed from the same line drawings
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