

LPTM - Preprints

Année	Auteur(s)	Titre article	Revue	Archivage	Thème
2023	ALLAM J., MATZKIN A.	From observer-dependent facts to frame-dependent measurement records in Wigner friend scenarios		(arXiv:2304.09289)	A
2023	ALLAM J., MATZKINS A.	Making sense of relativistic Wigner friend scenarios		(arXiv:2310.04167)	A
2023	AVAN J., FRAPPAT L., RAGOUCY E.	A new integrable structure associated to the Camassa-Holm peakons		(arXiv:2309.08412)	B/C
2023	BAYO D., HONECKER A., ROMER R.A.	The percolating cluster is invisible to image recognition with deep learning		(arXiv:2303.15298)	A
2023	BIAGETTI L., CECILE G., DE NARDIS J.	Three-stage thermalisation of a quasi-integrable system		(arXiv:2307.05379)	B/C
2023	CANTINI L., ZAHRA A.	Steady-state selection in multi-species driven diffusive systems		(arXiv:2309.06231)	B/C
2023	CECILE G., DE NARDIS J., IIIEVSKI E.	Squeezed ensembles and anomalous dynamic roughening in interacting integrable chains		(arXiv:2303.08832)	B/C
2023	CHEN L., LEE C.F., MAITRA A., TONER J.	Dynamics of packed swarms: time-displaced correlators of two dimensional incompressible flocks		(arXiv:2304.06139)	D
2023	CHRISTOPOULOS A., DE LUCA A., KOVRIZHIN D.L., PROSEN T.	Dual symplectic classical circuits: An exactly solvable model of many-body chaos		(arXiv:2307.01786)	B/C
2023	COURSON J., MANOS T., QUOY M.	Networks' modulation: How different structural network properties affect the global synchronization of coupled Kuramoto oscillators		(arXiv:2303.03099)	D
2023	DE LUCA A., GIACHETTI G.	Elusive phase transition in the replica limit of monitored systems		(arXiv:2306.12166)	A
2023	DE MIGUEL-ARRIBAS A., MORONVIDAL J., FLORIA L. M., GRACIA-LAZARO C., HERNANDEZ L., MORENO Y.	Contests in two fronts		(arXiv:2303.18109)	D
2023	DIGUET G., DUCHARNE B., EL HOG S., KATO F., KOIBUCHI H., UCHIMOTO T., DIEP T.H.	Finsler Geometry Modeling and Monte Carlo Study on Geometrically Confined skyrmions in Nanodots		(arXiv:2308.16199)	A
2023	DOUCHAMPS V., DI VOLO M., TORCINI A., BATTAGLIA D., GOUTAGNY R.	Hippocampal gamma oscillations form complex ensembles modulated by behavior and learning		(bioRxiv 2022.10.17.512498)(DOI: 10.1101/2022.10.17.512498)	D
2023	ESSOUDA Y., DIEP H.T., ELLOUZE M., HLIL E.K.	Magnetic properties of perovskites $\text{Pr}_{0.9}\text{Sr}_{0.1}\text{Mn}_{0.9}^{3+}\text{Mn}_{0.1}^{4+}\text{O}_{3}$: Monte Carlo simulations and experiments			A
2023	GANDICA Y., et al	Signs of criticality in social explosions		(arXiv:2305.01944)	D
2023	HUILLET T., MARTINEZ S.	Level numbers preserving transformations on excursions defined by random walks with state dependent jump laws		(arXiv:2307.14002)	B/C
2023	HUILLET Th.	On the balance between Emigration and Immigration as Random Walks on the non-negative integers		(arXiv:2304.08060)	B/C
2023	JEDRZEJEWSKI A., HERNANDEZ L.	Symmetric conformity functions make decision-making processes independent of the distribution of learning strategies		(arXiv:2309.10628)	D
2023	KHALI S.S., PERUANI F., CHAUDHURI D.	When does an active bath behave as an equilibrium one?		(arXiv:2305.03830)	D
2023	KHODAEVA U.E., KOVRIZHIN D.L., KNOLLE J.	Quantum simulation of the 1D Fermi-Hubbard model as a Z2 lattice-gauge theory		(arXiv:2305.04648)	A
2023	KOLE S. J., ALEXANDER G.P., MAITRA A., RAMASWAMY S.	Dynamics of Ordered Active Columns: Flows, Twists, and Waves		(arXiv:2306.03695)	D
2023	MCCULLOCH E., DE NARDIS J., GOPALAKRISHNAN S., VASSEUR R.	Full Counting Statistics of Charge in Chaotic Many-body Quantum Systems		(arXiv:2302.01355)	A
2023	PERRIER R., SCHAWÉ H., HERNANDEZ L.	On the side-effects of compromising: coupling agents' heterogeneity with network effects on a bounded confidence opinion dynamics model		(arXiv:2301.09233)	D
2023	PERUANI F., CHAUDHURI D.	Active stop and go motion: a strategy to improve spatial exploration?		(arXiv:2306.05647)	D

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2023	POLITI A., TORCINI A.	A robust balancing mechanism for spiking neural networks		(bioRxiv:2023.08.28.555064)(DOI: 10.1101/2023.08.28.555064)	D
2023	SALEV P., FRATINO L., SASAKI D., BAG S., TAKAMURA Y., ROZENBERG M., SCHULLER I.K.	Magnetoresistance anomaly during the electrical triggering of a metal-insulator transition	Phys. Rev. B.	(arXiv:2308.09260)	A
2023	STRECKA J., KARLOVA K., VERKHOLYAK T., CACI N., WESSEL S., HONECKER A.	Magnetic analogue of liquid-gas phase transition of water: case study of a spin-1/2 Ising-Heisenberg model on a diamond-decorated square lattice		(arXiv:2308.12410)	A
2023	TIUTIAKINA A., DE LUCA A., DE NARDIS J.	Frame potential of Brownian SYK model of Majorana and Dirac fermions		(arXiv:2306.11160)	A
2023	URICHUK A., SCOPA S., DE NARDIS J.	Navier-Stokes equations for low-temperature one-dimensional fluids		(arXiv:2309.14476)	A
2023	VENKATESWARLU S., MISSAOUI A., HONECKER A., TRAMBLY DE LAISSARDIERE G.	Atomic relaxation and electronic structure in twisted bilayer MoS2 with rotation angle of 5.09 degrees		(arXiv:2303.07958)	A
2022	CHEPELANSKII A.D., MAJUMDAR S.N., SCHAWÉ H., TRIZAC E.	Metropolis Monte Carlo sampling: convergence, localization transition and optimality.		(arXiv:2207.10488)	D
2022	DUPREY Q., MATZKIN A.	Comment on "Does the weak trace show the past of a quantum particle?"		(arXiv:2202.11574)	A
2022	KOIBUCHI H., KATO F., EL HOG S., DIGUET G., DUCHARNE B., UCHIMOTO T., DIEP H.T.	Effect of Geometric Confinement on the Stabilization of Skyrmions.		(arXiv:2208.03847)	A
2021	GONCALVES B.	An Interacting Neuronal Network with Inhibition: theoretical analysis and perfect simulation.	Mathematics in Action (à paraître)	(arXiv:2110.06714)(DOI: 10.48550/arXiv.2110.06714)	B/C
2021	HUILLET Th.	A shot-noise approach to decay/surge collective population models.	Journal of Statistical Physics (soumis)		B/C
2020	COLIN S.	On the evolution of quantum non-equilibrium in expanding systems.		(arXiv:2006.07840)	A
2020	NARAYAN SAHOO S., HOME D., MATZKIN A., SINHA U.	Comment on "Observing the "quantum Cheshire cat" effect with noninvasive weak measurement".		(arXiv:2006.00792)	A
2020	TARPAU C., CEBEIRO J., NGUYEN M.K., ROLLET G., DUMAS L.	On the design of a CST system and its extension to a bi-imaging modality.		(arXiv:2007.02750)	B
2016	CANTINI L.	Inhomogenous Multispecies TASEP on a ring with spectral parameters.		(arXiv:1602.07921)	B