

Poster Session 1, Monday July 8th, 11:45-15:30, Auditorio San Agustin

Id	Topic	Title	Authors
20	1	Convergence theorems in an equilibrium interaction model	Farida Kachapova
33	1	Exact solution of the six-vertex model on triangular subdomains of the square lattice	Arvind Ayyer, Roger E. Behrend, Ilse Fischer
101	1	Fractional number of particles in molecular domains: statistical physics foundations	Roberto Carlos Bochicchio
143	1	Stochastic Variational Method for Quantum Hydrodynamics and Navier-Stokes Equation on Spacetime Riemannian Manifolds	Tomoi Koide, Takeshi Kodama, Elvis Soares
214	1	Quantum Resonant Tunneling through Double Barrier Systems of In-Plate Graphene Nanoribbon/h-BN Heterojunctions	Mitsuyoshi Tomiya, Shoichi Sakamoto, Masahiro Ishii, Wataru Shibuya
234	1	Proof of non-integrability of $S=1/2$ XYZ chain with a magnetic field	Naoto Shiraishi
273	1	Magnetic models from ab initio simulations. A methodological revision.	Juan Mauricio Matera, Carlos Alberto Lamas, Arles Gil Rebaza, Victoria Fernandez, Leonardo Errico
302	1	On the interface tension and the roughening transition of the Ising model	Elmar Bittner, Andreas Nussbaumer
338	1	Nonequilibrium physics in the XXZ model and spin-flip asymmetric conserved quantities	Chihiro Matsui
364	1	Estimating mutual information of discrete variables with limited samples	Damian G. Hernandez, Ines Samengo
383	1	Nematic Phases and Kosterlitz-Thouless Phase Transitions in the Ising model with Long-range Interactions	Marisa Alejandra Bab, Gustavo Pablo Saracco
449	1	Partition function zeros of p-state clock model in the complex temperature plane: the higher-order tensor renormalization group study	Seongpyo Hong, Dong-Hee Kim
472	1	An exact power series representation of the Baker-Campbell-Hausdorff formula	Jordan C. Moodie, Martin W. Long
490	1	On the critical magnetic correlations of the Ashkin-Teller model with a line defect	Carlos M. Naón, G. Duchowney, Aníbal Iucci
23	2	Phase transitions of self-propelled particles with memory	Matthieu Labousse, Maxime Hubert, Stéphane Perrard, Nicolas Vandewalle, Yves Couder
25	2	Intermediate statistics in the Landau Diamagnetism problem	Andre Afonso Araujo Marinho, Francisco de Assis Brito
26	2	Application B-Anyons in Solids Model	Andre Afonso Araujo Marinho, Francisco de Assis Brito

34	2	Non-reversible aspects of nanoscale friction	Paola Carolina Torche, Tomas Polcar, Ondrej Hovorka
54	2	Modified Dyson gas with fusion events	Cristhian Eduardo González-Ortiz, Gabriel Téllez
57	2	Transport Phenomena of a Polymer in a Ratchet Potential	Marcela Veronica Reale
129	2	Compatibility of linear-response theory with the Second Law of Thermodynamics	Pierre Marie Antoine Leite Nazé
137	2	Analysis of Entanglement Dynamics in Quantum Heat Engines using a Spin-spin-boson Model	Ryohei Suzuki, Naomichi Hatano
184	2	Halfway between the classical scalar-field model and micromagnetism: simulating real domain wall dynamics experiments	Pamela Carolina Guruciaga, Nirvana Belen Caballero, Vincent Jeudy, Javier Curiale, Sebastian Bustingorry
189	2	Subordinated process in the Prey-Predator problem	Javier Quetzalcoatl Toledo-Marin, Francisco J Sevilla, Denis Boyer
200	2	Resonant Length of Random Walks in a Transient	Martin Falcke
206	2	Relaxation to Generalized Gibbs Ensembles in the thermodynamic limit	Takaaki Monnai
213	2	Physical swaps in the non-equilibrium dynamics of cold atomic systems	Ricardo Gutierrez
267	2	THE MOLECULAR DIFFUSION MECHANISMS IN GASES AND LIQUIDS	Georgii Vladimirovich Kharlamov
293	2	Study of Non-equilibrium Transport Problems through Exclusion Processes	Atul Kumar Verma, Arvind Kumar Gupta
294	2	Out-of-equilibrium bidirectional transport processes with constrained entrances competing for limited resources	Atul Kumar Verma, Arvind Kumar Gupta
309	2	Critical dynamics of active field theories	Fernando Caballero Pedrero
326	2	Entropy production and the validity of the Vlasov equation for self-gravitating systems	Calvin Alexandre Fracassi Farias, Yan Levin, Renato Pakter
332	2	Mori-Zwanzig projection operator formalism for systems with time-dependent Hamiltonians	Michael te Vrugt, Raphael Wittkowski
335	2	Liquid-hexatic co-existence for 2d self-propelled dumbbells	Pasquale Digregorio, Leticia F. Cugliandolo, Antonio Suma, Giuseppe Gonnella, Isabella Petrelli
336	2	Dunkl jump processes: relaxation and a phase transition	Sergio Andraus
344	2	Thermodynamics of Chemical Waves	Francesco Avanzini, Gianmaria Falasco, Massimiliano Esposito
351	2	Dynamical collective memory in fluidized granular materials	Andrea Plati
379	2	Dissipation and Driving Stabilize Quantum Metastable States	Bernardo Spagnolo

407	2	Path integral formalism for multiplicative noise stochastic processes	Zochil Gonzalez Arenas, Daniel Gustavo Barci, Miguel Vera Moreno
416	2	Environmental noise in abrupt absorbing phase transitions	Marcelo M. de Oliveira
505	2	Phononic heat transport and pumping in systems with long-ranged interactions	Natalia Beraha, Florencia María Carusela, Alejandro Soba
512	2	Transport phenomena in a coupled ratchet model with fluctuating interactions	Elías Mérida, Marcela Veronica Reale, Lilia Romanelli
537	2	Measuring the roughness exponent of magnetic domain walls in disordered media	Pamela Carolina Guruciaga, Daniel Jordán, María José Cortés Burgos, Nirvana Belén Caballero, Lucas Albornoz, Sebastian Bustingorry, Mara Granada, Javier Curiale
548	2	Thermal conductivity in nanopatterned Si membranes: statistical aspects of the equilibration stage .	Agustin Matias Mancardo Viotti, Maria Florencia Carusela, Alejandro Gabriel Monastra
549	2	Non linear fluctuating hydrodynamic theory applied to a stressed anharmonic chain in 3D	Alejandro G. Monastra, M. Florencia Carusela, Roberto Barreto
557	2	AC dynamic reorganization and non-equilibrium phase transition in driven vortex matter	Mariano Marziali Bermúdez, Gabriela Pasquini
583	2	Dynamics of the Spin-1/2 Ising two-leg ladder with plaquette interaction and transverse field	Wesley Luiz de Souza, Paulo Henrique Lana Martins, Érica De Mello Silva
590	2	Dissipative charging of a quantum battery	Felipea Barra
1017	2	The Juggling Soliton	Maria Belen Barraza, Camila Sandivari, Nicolas Mujica
130	3	Multithermal-multibaric molecular simulations from a variational principle	Pablo Miguel Piaggi, Michele Parrinello
136	3	Universal scaling behavior of volume-law entanglement in scrambled pure states	Yuya O Nakagawa, Masataka Watanabe, Hiroyuki Fujita, Sho Sugiura
146	3	Classical order by disorder: a theoretical study towards its detection in a real frustrated system of magnetic monopoles	Pamela Carolina Guruciaga, Rodolfo Alberto Borzi
322	3	Dewetting hole shapes in strongly anisotropic solid films	Anna Maria Nóbrega Chame
417	3	VARIATIONAL DETERMINATION OF TWO-ELECTRON REDUCED DENSITY MATRICES FOR DOUBLY OCCUPIED CONFIGURATION INTERACTION WAVE FUNCTIONS: AN EFFICIENT DESCRIPTION OF STRONGLY CORRELATED MANY-ELECTRON SYSTEMS	Alvaro Rubio Garcia, Elias D. Rios, Diego R. Alcoba, Jorge Dukelsky, Ofelia B. Oña, Pablo Capuzzi, Gustavo E. Massaccesi, Alicia Torre, Luis Lain
428	3	Entanglement and critical phenomena in spin systems under nonuniform fields	Norma Beatriz Canosa, Marco Vinicio Cerezo, Raul Dante Rossignoli, Carlos Alberto Lamas
430	3	Fermionic entanglement in superconducting systems	Raúl Dante Rossignoli, Marco Di Tullio, Nicolas Gigena
474	3	Effect of quantum fluctuations in non trivial skyrmion textures	Martín Tomé, Héctor Diego Rosales

483	3	Determination of Adsorption-Induced Deformation of Microporous Carbons due to Adsorption of a Binary Gas Mixture by Monte Carlo simulation.	Valeria Cornette, Rodrigo Delgado Mons, Raúl López
498	3	Theory of Sliding ^4He Atoms on Graphite Substrate	Kentaro Sugimoto, Mamoru Matsuo
510	3	Entanglement over the rainbow: statistical mechanics of the area law	Silvia Noemi Santalla
520	3	A two structure mean field theory for liquid-liquid phase transitions	Maria Licia Farias, Marco Aurélio Barbosa
526	3	Multiple spin liquid phases in the bilayer honeycomb lattice	Flavia Alejandra Gómez Albarracín, Héctor Diego Rosales, Mauricio Bernardo Sturla
531	3	Classical Kitaev - J1-J2 model in the honeycomb lattice	Juan Piccinini, Flavia Alejandra Gómez Albarracín, Héctor Diego Rosales
534	3	Field induced topological phases in the kagome Heisenberg antiferromagnet with Dzyaloshinskii-Moriya interaction	Martin Emilio Villalba, Flavia Gomez Albarracin, Hector Diego Rosales, Daniel Cabra
49	4	A clustered spin-glass with long range disordered interactions	Rubem Erichsen, Alexandre Silveira, Sergio Magalhaes
58	4	An invasion percolation model for the study of fluid injection driven fracturing in weakly consolidated granular media	Paula Alejandra Gago, Raphael Blumenfeld, Peter King
84	4	Energy transport within the "pasta" regime in neutron star matter	Claudio Dorso, Guillermo Frank, Alejandro Strachan, Jonathan Dunn
114	4	Brittle to ductile transition in silica glass nanofibers	Ezequiel E Ferrero
182	4	The anharmonic Larkin model	Víctor Hugo Purrello, José Luis Iguain, Alejandro B Kolton
186	4	Viscoelasticity and dynamical gaps: rigidity in crystallization and glass-forming liquids	Javier Quetzalcoatl Toledo-Marin, Gerardo G Naumis
278	4	Exact results for quenched disorder at criticality	Gesualdo Delfino
298	4	Voltage statistics of variable-range hopping transport	Toshiaki Hayashi, Yasuhiro Tokura, Akira Fujiwara
307	4	Searching for the shape that maximises saturated random sequential adsorption packings	Michał Cieśla
308	4	Random sequential adsorption kinetics for several two-dimensional shapes placed on a one-dimensional line	Michał Cieśla
311	4	The dimensional crossover in spin-glasses: from bulk systems to thin films	Ilaria Paga
323	4	Chaotic Size Dependence in disordered systems: a numerical construction of the Metastate in spin glasses	Javier Moreno
329	4	p-spin cluster in a random network	Alexandre Silveira
356	4	Random sequential adsorption of hard polyhedra of tetrahedron symmetry	Piotr Kubala

405	4	Diffusion of a bidisperse system of particles in a quasi-one-dimensional channel: The crossover between one-and-two-dimensional diffusion.	Paulo Marcelo Centres, Sebastian Bustingorry
445	4	Spectral properties of the Barrat-Mézard model on sparse networks	Diego Andrés Tapias, Peter Sollich
486	4	Jamming and percolation in random sequential adsorption of straight rigid rods on bilayer square lattices	Nelphy De la Cruz Felix, Paulo Marcelo Centres, Antonio J. Ramirez-Pastor
540	4	Specific Heat and nonlinear susceptibility of a quantum spin glass under uniform transverse and random longitudinal magnetic fields	Sergio Garcia Magalhaes, Fabio Zimmer, Carlos Alberto Morais
582	4	Criticality and avalanches at the yielding transition of amorphous solids under deformation	Ezequiel E Ferrero
584	4	Inertia and universality of avalanche statistics: The case of slowly deformed amorphous solids	Ezequiel E Ferrero
41	5	Rumor propagation meets skepticism: A parallel with zombies	Marco Antonio Amaral, Jeferson J. Arenzon
66	5	Stochastic Thermodynamics of Ribosome: A network theoretic perspective	Annwasha Dutta, Gunter M. Schütz, Debashish Chowdhury
72	5	The transport cycle of Escherichia coli lactose permease (LacY) in a non-homogeneous random walk model	Yan Borges Barreto, Adriano Mesquita Alencar
76	5	PRE-EQUILIBRIUM PROPERTIES OF SIGNALING DOSE-RESPONSE CURVES ALLOW DISCRIMINATION BETWEEN NEGATIVE COOPERATIVITY AND INDEPENDENT BINDING	Federico Sevlever, Juan Pablo Di Bella, Alejandra Cristina Ventura
86	5	Proteins are solitary! Pathways of protein folding and aggregation in homogenous and heterogenous solutions	Valentino Bianco
87	5	Dynamics of sedimenting active Brownian particles	Jérémy Vachier
88	5	Light dependent cellular motility induces pattern formation in confinement	Jérémy Vachier
113	5	A lattice model for malaria transmission: mean-field approach	Adriana Gomes Dickman
125	5	A stochastic theory for replicative senescence.	Alejandro Jose Fendrik, Lilia Romanelli, Ernesto Rotondo
139	5	Transporting flexible cargoes along microtubules: a 2D model	Agustina Fernández Casafuz, Luciana Bruno
141	5	TRANSIENT FREQUENCY PREFERENCE IN SIMPLE CELL SIGNALING MOTIFS	Juliana Reves Szemere, Alejandra Cristina Ventura, Rocio Celeste Balderrama, Constanza Sanchez de La Vega
142	5	Studying the limitations of Michaelis Menten approximation to describe the response to pulsatile inputs	Juliana Reves Szemere, Alejandra Cristina Ventura, Horacio Rotstein
150	5	A Model for Breast Cancer Diversity and Heterogeneity	Guillermo Ramirez-Santiago
166	5	Kinetic model for the cell folate cycle	David Hipólito Margarit, Alexei Vazquez

181	5	Information content in stochastic pulse sequences of intracellular messengers.	Alan Matías Givré, Silvina Ponce Dawson
192	5	Study of the use of the internal space of cells to expand the variety and efficiency of their computational capacity	Juan Ignacio Marrone, Alejandra C. Ventura, Hernán E. Grecco
202	5	Solvable model of a spatially extended Brownian ratchet	Anthony Wood, Richard Blythe, Martin Evans
220	5	Monolayer jamming in oral cell carcinoma	Paulo Casagrande Godolphim, Bibiana Matte, Aline Lütz, Gilberto Thomas, Rita de Almeida, Marcelo Lamers, Leonardo Brunnet
222	5	Hydra regeneration: a view from active matter	Leonardo Gregory Brunnet, Aline Lütz
229	5	A new computational scheme for evaluation of standard free energy of binding for biomolecular systems with umbrella sampling simulations and the variational principle	Jung-Hsin Lin
232	5	A dynamic preferred direction model for the self-organization dynamics of bacterial microfluidic pumping	Daniel Svenšek, Harald Pleiner, Helmut R. Brand
266	5	How flows might change genetic nucleation theory	Giorgia Guccione
292	5	Self-propelled Vicsek particles at low speed and low density	Maria Leticia Rubio Puzzo, Andres De Virgiliis, Tomas S. Grigera
333	5	Extended Cell Model for Active Matter: Phase diagram	Emanuel Fortes Teixeira, Heitor Marques Fernandes, Leonardo Gregory Brunnet
495	5	Model for Run and Tumble motion and regulatory mechanism of enteric flagellated bacteria	Guido Fier, Lautaro Vassallo, David Hansmann, Ruben Carlos Buceta
496	5	Correlation of cellular traction forces and dissociation kinetics of adhesive protein zyxin by means of multidimensional microscopy	Lorena Sigaut, Micaela Bianchi, Lía Isabel Pietrasanta
506	5	Patterns of nitrogen-fixing cells in cyanobacteria	Javier Muñoz-García
508	5	Nonlocal growth and kinetic roughening in biological systems: bacterial colonies and cell aggregates	Silvia Noemi Santalla
515	5	Quantitative estimation of kinetic rates of ligand binding to heme proteins from molecular dynamics simulations	Mauro Bringas, Leandro Lombardi, Dario Ariel Estrin, Javier Luque, Luciana Capece
547	5	Maximum entropy models for codon and amino acid abundances in genomes and proteomes	Ignacio Enrique Sanchez
61	6	Algorithm for the red blood cell morphology using a Helfrich model	Ernesto Hernández-Zapata, Luciano Martínez-Balbuena, Araceli Arteaga-Jiménez, Efraín Urrutia-Buñuelos
62	6	Maximum cumulant method for studying condensation-evaporation phase transitions	Gonzalo Joaquín Dos Santos, Daniel Humberto Linares, Antonio José Ramirez Pastor
85	6	A re-examination of the role of friction in the original Social Force Model.	Ignacio Mariano Sticco, Guillermo Alberto Frank, Fernando Ezequiel Cornes, Claudio Oscar Dorso

99	6	Granular Gas Instabilities in a Gravitational Field	Gilberto Medeiros Kremer
155	6	Structural and dynamical properties of suspensions of star block-copolymers in shear flow	Manuel Camargo
156	6	Aggregation kinetics of a colloidal model for CSH with added polymers	Manuel Camargo
190	6	Competition between entropy and energy in network glasses: the hidden connection between intermediate phase and liquid-liquid transition.	Javier Quetzalcoatl Toledo-Marin, Le Yan
201	6	Line tension of domains in phospholipid monolayers	Luis Mederos, Enrique Velasco
241	6	Loss of Memory in Dense Sheared Particulate Systems	Miro Kramar, Lenka Kovalcinova, Konstantin Mischaikow, Lou Kondic
242	6	Mechanical Properties of Drug Loaded Polymersomes: A Molecular Dynamics Study	Damián Grillo, Juan M.R. Albano, Esteban E. Mocskos, Julio C. Facelli, Mónica A. Pickholz, Marta Ferraro
258	6	Effective models for grafted polymer nanoparticles in two dimensions	Murilo Sodré Marques, José Rafael Bordin, Thiago P. O. Nogueira, Marcia Cristina Bernardes Barbosa
261	6	Kinetic models of reacting dense fluids	Jacek Polewczak
274	6	Mechanical properties of macroscopic magnetocrystals	Marcos Salazar
283	6	ABC: Active Bound Colloids	Austen Bolitho, Ronjoy Adhikari
314	6	Phase transitions in fluctuations and their role in two-step nucleation	Daniella James, Seamus Beairsto, Carmen Hartt, Oleksandr Zavalov, Ivan Saika-Voivod, Richard Bowles, Peter Poole
343	6	Emergent conformational and dynamical properties in systems of active filaments	Thomas Eisenstecken, Roland Georg Winkler, Aitor Martin-Gomez, S. Mahdiyeh Mousavi, Gerhard Gompper
368	6	Emergent Electrochemistry in Spin Ice: Debye-Huckel Theory and Beyond	Peter Holdsworth
378	6	Stick-slip dynamics of an intruder in a pack of disks: Effect of the substrate friction and packing fraction.	Ryan Kozlowski, Manuel Carlevaro, Hu Zheng, Lou Kondic, Luis A. Pugnaloni, Karen Daniels, Joshua E. S. Socolar
380	6	Simulations of Coulomb systems confined by polarizable surfaces using periodic Green functions	Matheus Giroto, Yan Levin, Alexandre Pereira dos Santos
381	6	Hyperuniformity on curved surfaces	Guillermo Jorge Zarragoicoechea, Ariel Germán Meyra, Enrique Lomba García, Salvatore Torquato
385	6	Modelling the Influence of the Magnetic Dipolar Interactions in the Behavior of Nanoparticle Systems	Kelin Arlena Tapia Villarroel, Marisa Alejandra Bab, Gustavo Pablo Saracco
409	6	Nonmonotonic behavior in the dense assemblies of active colloids	Natsuda Klongvesa, Felix Ginot, Christophe Ybert, Mathieu Leocmach, Cecile Cottin-Bizonne
411	6	Activity induced delocalization and freezing in self-propelled systems	Lorenzo Caprini, Andrea Puglisi, Umberto Marini Bettolo Marconi

453	6	Phase behavior and structure of a lattice model of microemulsions	Andres De Virgiliis
492	6	Computing polymer diffusio-phoretic mobilities	Simon Ramirez-Hinestrosa, Hiroaki Yoshida, Lydéric Bocquet, Daan Frenkel
494	6	Role of ion-specific steric and hydration interactions on the differential capacitance of an electrical double layer	Guilherme Volpe Bossa, Daniel Lucas Zago Caetano, Sylvio May, Sidney Jurado de Carvalho
509	6	Residual entropies and waterlike anomalies	Marco Aurélio Alves Barbosa, Eduardo Rizzatti, Maria Farias, Marcia Barbosa
524	6	Active diffusion and nutrient transport in bacterial carpets	Francisca Guzmán-Lastra, Arnold Mathijssen, Hartmut Löwen
538	6	On the spatio-temporal behavior of Elsässer variables in MHD turbulence	Rodrigo Lugones
556	6	Wettability of reentrant surfaces: a global energy approach	Marion Silvestrini
565	6	Fast Algorithm for Diluted Dipolar Systems with and without External Field.	Daniel Alejandro Martin, Tomás Sebastian Grigera, Verónica Iris Marconi
566	6	Collective behavior of particles confined in a corridor: a comparative study with and without interactions	Juan Cruz MORENO, M. Leticia RUBIO PUZZO
597	6	Hard colloidal rods in complex confinement: density functional theory vs. experiment	René Wittmann, Louis Cortes, Christoph Sitta, Dirk Aarts, Hartmut Löwen
598	6	Stress-induced self-organization in networks of self-propelled agents.	Claudio Hernández
7	7	Probability of capture into bistable dynamical states in a Josephson oscillator: The classical and quantum Arnold scenarios	Chang Sub Kim, Dmitrii Pashin, Arkady Satanin
67	7	Nonclassical effects in the second harmonic generation	Horacio Grinberg
140	7	Dipole reversals and 1/f noise in resistive MHD spherical dynamos	Mauro Fontana, Pablo D Mininni, Pablo Dmitruk
243	7	Percolation of hydrogen atoms adsorbed on Cu(100) surfaces: DFT, Monte Carlo and finite size scaling techniques.	Elizabeth del Valle Gómez, Lucía Bernardita Avalue, María Cecilia Gimenez
310	7	Energy spectra and anisotropy of superfluid He-4 turbulence	Dmytro Khomenko
319	7	Non-Kolmogorov self-similarity for relative velocity between two Lagrangian particles in two-dimensional inverse energy-cascade turbulence	Tatsuro Kishi, Takeshi Matsumoto, Sadayoshi Toh
373	7	Experiments in the subcritical transition to the turbulence in shear flows	José Eduardo WESFREID, Tao Liu, Lukasz Klotz, Benoit Semin
393	7	Compressible turbulence in Earth's magnetosheath: energy cascade rate from the MHD to the ion-scales	Nahuel Andres

410	7	Dynamics of a Descartes diver subject to a forcing in a stratified medium	Benjamin Castillo Morales, Sergio Hernández Zapata, Gerardo Ruiz Chavarria, Patrice Le Gal
412	7	Granular dampers: Effect of the enclosure dimensions on their dynamical and dissipative properties	María Victoria Ferreyra, Mauro Baldini, Stéphane Job, Luis Ariel Pugnaroni
421	7	Patterns in the von Karman swirling flow for low and moderate Reynolds numbers	Alan Josue Gutierrez Castillo, Gerardo Ruiz Chavarria
422	7	CAVITATION IN CENTRIFUGAL PUMPS THAT TRANSFER AMMONIA-WATER MIXTURES WITH SUSPENDED PARTICLES	Sergio Hernandez Zapata, Jorge Luis Reyes de la Cruz, Gerardo Ruiz Chavarria
423	7	CURVES OF VAPOUR PRESSURE IN AN AMMONIA-WATER MIXTURE CONTAINING SOLID PARTICLES	Gerardo RUIZ CHAVARRIA, Jorge Luis Reyes de la Cruz, Sergio Hernandez Zapata
12	8	Specific statistical properties of the strength of links and nodes: Estonian network of payments	Stephanie Rendón de la Torre
27	8	From finite size corrections to Hamiltonian formulations in stochastic epidemic models	Alexandre Souto Martinez, Gilberto Medeiros Nakamura, George Cunha Cardoso
43	8	Mixing innovative and imitative dynamics in evolutionary games	Marco Antonio Amaral, Marco Alberto Javarone
53	8	Maximum-entropy approach to the 1D Traffic Cellular Automata behavior	Ernesto Hernández-Zapata, Alejandro Salcido, Susana Carreón-Sierra
95	8	Quantifying time-dependent Media Agenda and Public Opinion by topic modeling	Pablo Balenzuela, Sebastián Pinto, Federico Albanese
97	8	Wealth Distribution Models with Economic Policies: Dynamics and Equilibria	Ben-Hur Francisco Cardoso, Sebastián Gonçalves, José Roberto Iglesias
145	8	A theoretical fundamental diagram in traffic flow	Alma R. Méndez
153	8	Learning Complex Network Representations	Luis G. Moyano
160	8	A thermodynamically consistent model of universal computation	Dominique Chu
175	8	Modified Axelrod model with cultural inertia on complex networks.	Yup Kim, Junyoung Choi, Soon Hyung Yook
179	8	Networks Science & Football: The hidden structure of Guardiola's Barcelona	Javier M. Buldú, Xavier Busquets, Ignacio Echegoyen, David Garrido, F Seirul. Io
218	8	On the emergence of Zipf's law in music	Juan Ignacio Perotti, Orlando Billoni
244	8	Stochastic Resonance in an opinion model: influence of the lattice.	María Cecilia Gimenez, Ana Pamela Paz García, Luis Reinaudi
260	8	Detection and Analysis of Long-Range Degree Correlations in Complex Networks	Yuka Fujiki, Kousuke Yakubo

289	8	Comparative seismological risk zones by means of information theory and Shannon entropy	Eugenio E. Vogel, Felipe G. Brevis, Denisse Pasten, Víctor Muñoz, Rodrigo A. Miranda, Abraham C.-L Chian
349	8	Self-Organized Criticality of a Neural Model in Complex Neural Networks	Jae Woo Lee, Nam Jeong, Anh Quang Le
352	8	Griffiths Phases of Quenched Contact Process in a Directed Complex Networks	Jae Woo Lee, Anh Quang Le, Nam Jung
361	8	Percolation of defective dimers irreversibly deposited on honeycomb, square and triangular lattices	Paulo Marcelo Centres, Maria C Gimenez, Antonio J Ramirez-Pastor
363	8	Waves of desertification in a competitive ecosystem	Y. Carolina Daza C., M. Fabiana Laguna, J. Adrián Monjeau, Guillermo Abramson
365	8	Percolation of aligned rigid rods on square and triangular lattices	Pablo Longone, Paulo Marcelo Centres, Antonio J Ramirez-Pastor
366	8	Models and experiments on pedestrian evacuation	Marcelo N Kuperman, Sebastián Bouzat
367	8	Statistical Analysis of an Opinion Formation Model Presenting a Spontaneous Third Position Emergence	Jorge Alberto Revelli, Marcos Enrique Gaudiano
371	8	An Entropical Characterization for Complex Systems Becoming out of Control	Marcos Enrique Gaudiano
374	8	An exactly solvable model of Restricted Boltzmann Machine	Aurélien Decelle, Giancarlo Fissore, Cyril Furtlehner
400	8	Financial stylized facts emerge from a system of elongated self-propelled particles	German Agustin Patterson, Daniel Ricardo Parisi
418	8	Analysis of a replicator-mutator based competitive duopoly model with delays in advertising effects	Walter Aliaga, Amit Bhaya
441	8	Role of noise in the switching dynamics of memristors	Nikolay Agudov, Angelo Carollo, Alexander Dubkov, Alexey Safonov, Alexey Krichigin, Bernardo Spagnolo
460	8	The Vaccination Dilemma - A Mean Field Analysis	Benjamin Steinegger, Alessio Cardillo, Paolo De Los Rios, Jesús Gómez-Gardeñes, Alex Arenas
471	8	Jamming and percolation of cubes and tiles on simple cubic lattices	Paulo Marcelo Centres, A. C. Buchini Labayen, Antonio J Ramirez-Pastor, P. M. Pasinetti
476	8	Inverse percolation by removing extended objects from two-dimensional lattices	Lucía Soledad Ramirez, Paulo Marcelo Centres, Antonio J Ramirez-Pastor
479	8	Using game theory approach to analyze the emergence of corruption in the in contracting by the public administration: The role of interaction groups size, public employees' wages and control capacity by the state	Pablo Javier Valverde, Jaime Estuardo Fernández, Edwin Vladimir Buenaño, Juan Carlos González-Avella
530	8	Fear contagion situations in the context of the Social Force Model	Fernando Ezequiel Cornes, Guillermo Alberto Frank, Claudio Oscar Dorso

533	8	Prediction of Ethanol Crystal Structures using Steady State Genetic Algorithms and Neural Networks in the Open Science Grid	Gabriel Ignacio Pagola, Albert M. Lund, Anita M. Orendt, Marta Beatriz Ferraro, Julio Cesar Facelli
564	8	Liquid-Solid fluidized bed CFD-DEM simulation and validation by Radioactive Particle Tracking	Mauricio Maestri, Gabriel Salierno, Julia Picabea, Miryan Cassanello, Maria Angelica Cardona, Daniel Hojman, Hector Somacal
578	8	Structural and temporal scale-invariance of proteins native state derived from molecular dynamics simulations	Lucía Fabio, Eliana Karina Ascitutto, Ignacio Jose General, Dante Renato Chialvo
600	8	Phase transition induced by path occupation on communication networks.	Santiago Basañes, Manuel Saenz, Federico Holik
612	8	Jamming and percolation in anisotropic RSA of straight rigid rods on a 2D triangular lattice	Ernesto Jesús Perino, Daniel A. Matoz-Fernandez, Pedro Marcelo Pasinetti, Antonio José Ramirez-Pastor
614	8	Jamming of dimers on d -dimensional substrates	Pedro Marcelo Pasinetti, Paulo Marcelo Centres, Antonio José Ramirez-Pastor
627	8	Inevitable Fragility of Hierarchical Networks against Random Node Failures	Takehisa Hasegawa, Tomoaki Nogawa
629	8	Degree correlations of percolating clusters in random networks	Shogo Mizutaka
703	8	Effects of phenology on the biodiversity persistence of plant-pollinator networks.	Payrato Borrás Claudia, Gracia Lazaro Carlos, Laura Hernandez, Moreno Vega Yamir
720	8	Infection front propagation roughness of a spatial explicit SIR model on a random surface	Karina F. Laneri, Alejandro B. Kolton
731	8	Spatio-temporal dengue model with social interaction: humans, mosquitoes, virus and environment	Karina Laneri, Fabiana Laguna
771	8	Brain anatomical connectivity in offspring of patients with Alzheimer's Disease through graph theory	Stella Maris Sanchez, Gabriela De Pino, Hernan Bocaccio, Mariana Castro, Barbara Duarte-Abritta, Carolina Abulafia, Salvador Guinjoan, Mirta Villarreal