

Poster Session 2, Wednesday July 10th, 12:00-15:45, Auditorio San Agustin

Id	Topic	Title	Authors
94	1	Dimensionally regularized Boltzmann-Gibbs statistical mechanics and two-body Newton's gravitation	Javier Zamora, Mario Carlos Rocca, Angel Plastino, Gustavo Ferri
513	1	Multiple exclusion statistics	Julián José Riccardo, José L. Riccardo, Pedro M. Pasinetti, Antonio J. Ramírez-Pastor
546	1	Entropic dynamics on statistical manifolds	Pedro Pessoa, Ariel Caticha
559	1	Power laws and maximum entropy	Pedro Pessoa, Selman Ipek
570	1	Schroedinger's unrecognized probability theory and second law of thermodynamics induced by symmetry close to PT-symmetry	Tomoi Koide
574	1	Replica symmetric formulas and inference in tensor factorization problems	Nicolas Macris
577	1	Lattice SUSY and the DiSSEP	Desmond Alexander Johnston
579	1	General multi-well integrable models with correlated hopping	Juliana Harmatiuk, Prestes Tonel, Leandro Hayato Ymai, Jon Links, Angela Foerster
619	1	Smallest and solvable neural network to learn the Ising criticality	Dongkyu Kim, Dong-Hee Kim
648	1	Vortex-pair fluctuations at temperatures above the Kosterlitz-Thouless transition	Mingyu Fan, Karla Galdamez, Gary Allen Williams
772	1	Ordered metastable states in the Potts model and their connection with the superheated solid state	Felipe Moreno
776	1	Non-existence of Bose-Einstein condensation in Bose-Hubbard model in dimensions 1 and 2	Jacek Jerzy Wojtkiewicz, Wieslaw Pusz, Piotr Stachura
817	1	Supersymmetric spherical spins with short-range interactions	Ladislau Vieira Teixeira Tavares, Lucas Gabriel dos Santos, Paula Fernanda Bienzobaz, Pedro Rogério Sérgio Gomes
818	1	Supersymmetric quantum spherical spins	Lucas Gabriel dos Santos, Ladislau Vieira Teixeira Tavares, Paula Fernanda Bienzobaz, Pedro Rogério Sérgio Gomes
823	1	Integrability in models of quantum tunneling	Daniel Schneider Grün
857	1	Efficient and universal learning of Gibbs distributions	Marc Vuffray, Andrey Misra, Sidhant Likhov
864	1	Nonlocal kinetic equations and their long time behavior	Juan Pablo Pinasco
916	1	A nematic phase on the 2D J1-J2 Ising model	Leonardo Garibaldi Rigon, Lucas Nicolao
917	1	Information-geometric structures derived from group relative entropies	Mariela Portesi

961	1	Uniqueness of the quasi-stationary distribution of the subcritical contact process	Franco Arrejoria, Pablo Groisman, Leonardo Rolla
986	1	Phase transition in the coagulation-fragmentation kinetics	Pavel Dubovski
993	1	Scale invariance implies conformal invariance for the three-dimensional Ising and $O(N)$ models	Nicolás Wschebor
994	1	Conformal invariance in $O(N)$ models	Gonzalo De Polsi, Matthieu Tissier, Nicolás Wschebor
1049	1	Ferromagnetic membranes	Steffen Trimper
611	2	A dumbbell model as a self-propelled particle	Oscar Andrés Paredes Altuve, Felipe Barra
613	2	Generalized Green-Kubo relations for active fluids	Sara Dal Cengio, Demian Levis, Ignacio Pagonabarraga
645	2	Fluctuation theorems for the undriven Duffing oscillator	Roberto Raúl Deza
657	2	Energy landscape approach to reaction networks	Daniel Maria Busiello, Paolo De Los Rios
660	2	Swimming modes of self-assembled magnetic micropropeller	Carles Calero, José Manuel García-Torres, Francesc Sagués, Ignacio Pagonabarraga, Pietro Tierno
671	2	Non-equilibrium efficiency study of organic solar cells using stochastic thermodynamics	Alessio Gagliardi, Waldemar Kaiser
707	2	Thermodynamic uncertainty for run-and-tumble type processes	Mayank Shreshtha, Rosemary J. Harris
785	2	Transient magnetic domain wall AC dynamics studied by MOKE imaging	Pablo Exequiel Domenichini, Cynthia Quinteros, Mara Granada, Sophie Collin, Jean Marie George, Javier Curiale, Sebastian Bustingorry, María Gabriela Capeluto, Gabriela Pasquini
788	2	Non-equilibrium thermodynamics of linear electrical circuits	Jose Nahuel Freitas
797	2	Fluctuation theorems for systems without stationary PDF: KPZ case	Horacio S. Wio, Miguel A. Rodriguez
820	2	Effects of dipolar interactions on the energy barrier of magnetic nanoparticles	Marcelo Salvador, Lucas Nicolao, Wagner Figueiredo
835	2	Quantum calculation of the nonequilibrium heat capacity in the resonant level transport	Tomas Novotny
837	2	Dynamic domain heterogeneity in the Ising model	Amanda Azevedo-Lopes, Andrés R. de la Rocha, Jeferson J. Arenzon
846	2	A study on the fluctuations induced by finite thermal baths	Arthur Mendonça Faria
849	2	Markovian approximation for self-propelled particles	Yongjoo Baek
851	2	Numerical evidence of Hatano-Sasa equality	Wilmer Jose Diaz Acosta, Ronald Dickman
861	2	Correlations as a resource in quantum thermodynamics	Federico Cerisola, Facundo Sapienza, Augusto José Roncaglia

865	2	An information picture of the Coulomb interaction between localized charge carriers	Waldemar Kaiser, Alessio Gagliardi
881	2	Irreversibility and multiple coupling in non-equilibrium systems	Daniel Maria Busiello, Deepak Gupta, Amos Maritan
889	2	Negative differential response of chemical reaction currents	Gianmaria Falasco, Tommaso Cossetto, Emanuele Penocchio, Massimiliano Esposito
914	2	Effects of a magnetic field on the dynamics of the one-dimensional Heisenberg model with Dzyaloshinskii-Moriya interactions	Maria Eugênia Silva Nunes, Érica de Mello Silva, Paulo Henrique Lana Martins, João Florêncio, João Antônio Plascak
928	2	Renormalization-group analysis of activity-induced phase separation in a system of hot and cold particles	Andreas Hanke
935	2	Critical percolation in early-stage quench dynamics with spontaneous discrete symmetry breaking in a two-dimensional continuum	Hirimitsu Takeuchi, Leticia F. Cugliandolo, Marco Picco
941	2	Martin-Siggia-Rose formalism in wave turbulence theory for an elastic plate	Ignacio Pavez
970	2	Minimal dissipation in processes far from equilibrium	Marcus Bonança, Sebastian Deffner
1009	2	Fluid transport through functionalized (-COOH) carbon nanopores	Veronica Muriel Sanchez
1045	2	Non-equilibrium dynamics and stationary states of the Neumann classical integrable model after an interaction quench	Emilio Nicolas Nessi, Leticia Cugliandolo, Gustavo Lozano
1052	2	Methane transport through distorted nanochannels: surface roughness beats tortuosity	Mariano Martín
1058	2	Lessons learned about the use of steered molecular dynamics simulations in the calculation of free energy profiles	Mehrnoosh Arrar, Fernando Boubeta, Ezequiel Lorenzo, Rocío Contestin Garcia, María Eugenia Szretter, Dario Estrin, Mariela Sued, Daniela Rodriguez, Leonardo Boechi
1060	2	Loopy Lévy flights enhance tracer diffusion in active suspensions	Kiyoshi Kanazawa, Tomohiko Sano, Andrea Cairoli, Adrian Baule
572	3	Effects of potential models on nitrogen adsorption on triangular pore: energetic characterization of activated carbon	Rodrigo Delgado Mons, Valeria Cornette, Juan Toso, Raul Lopez
599	3	Toulouse points and reformation of the Kondo lattice model with electronic interactions	Tomas Sebastian Bortolin, Alejandro Martin Lobos, Nayana Shah, Carlos José Bolech, Anibal Iucci
616	3	The fate of hyperuniform vortex patterns at the surface of type II superconductors	Federico Elías, Jazmín Aragon Sanchez
635	3	Critical phenomena of $O(2) \times Z_2$ symmetry breaking in extended Kagome XY antiferromagnets	Nobuo Furukawa, Sho Okazaki, Daisuke Yamamoto

691	3	Thermoconductive properties of multilayer graphene	Noris Melis De la Cruz Feliz, Nelphy De la Cruz Felix, Denia Marlenis Cid Perez, Aneika Luna Martinez
738	3	Andreev-Shiba states in interacting one-dimensional superconducting nanowires	Tomas Sebastian Bortolin, Anibal Iucci, Alejandro Martin Lobos
783	3	Modulated phase structure on the Vannimenus model	Anthony João Bet, Tadeu Emanuel Scalvin, Marcelo Henrique Romano Tragtenberg, Lucas Nicolao
789	3	Disordered quantum phases in the frustrated Heisenberg antiferromagnet on the honeycomb lattice	Marcelo Arlego, Carlos Lamas, Hao Zhang
796	3	Multicritical points in the Underscreened Anderson Lattice Model under pressure and magnetic field	Sergio Garcia Magalhaes, Eleonir Calegari, Peter Riseborough
903	3	Ordering and entangled dynamics of oxygen vacancies and charges in CeO _{2-x}	Gustavo Ezequiel Murgida, María Verónica Ganduglia Pirovano, Ana María Llois, Valeria Ferrari, Dawei Zhang, Zhong-Kang Han, Yi Gao
904	3	Vortex-loop calculation of the specific heat of superfluid 4He under pressure	Andrew Forrester, Gary Allen Williams
922	3	Size effects in the ground state of an ultrathin magnetic film model	Ernesto Selim Loscar, Claudio Maximiliano Horowitz
939	3	Domain-area distribution in phase-separating two-component Bose-Einstein condensates	Hiromitsu Takeuchi
1000	3	Description of fermionic quantum fluids using matrix products	Carlos Bolech
1024	3	Onsager vortices at negative temperatures	Tapio Simula, Rahil Valani, Philip Starkey, Christopher Billington, Shaun Johnstone, Andrew Groszek, David Paganin, Matthew Davis, Kristian Helmersen
1034	3	Topological phases in quasi one-dimensional spin-1/2 systems	Nair Sophia Aucar Boidi
672	4	Multiple types of aging in dense active matter	Rituparno Mandal, Peter Sollich
686	4	Hard plates on a cubic lattice	Geet Rakala, Kedar Damle, Deepak Dhar
698	4	Criticality in discrete dislocation plasticity	Mikko Alava
759	4	Universal behaviors of low temperature thermal properties for ordered and disordered solids, and amorphous materials	Andrzej S. Jezowski, Alexander I. Krivchikov, Michael A. Strzhemechny
763	4	After the trail of a true ground state in spin ice	Mariano Marziali Bermúdez, Santiago Andrés Grigera
768	4	Relaxation and aging in rapidly jammed glasses	Stefan Boettcher
779	4	How to calculate two-particle four-point space-time correlations in 1D and 2D systems of repulsive Brownian particles	Takeshi Ooshida, Susumu Goto, Takeshi Matsumoto, Michio Otsuki

822	4	Spatiotemporal patterns in ultraslow domain wall creep dynamics	Ezequiel E. Ferrero
824	4	Static and dynamic critical exponents in elastoplastic models of amorphous solids	Ezequiel E. Ferrero
845	4	Fluctuating relaxation rates, exchange times, and predicting the time dependence of the dynamic susceptibility of glass formers	Rajib Pandit, Elijah Flenner, Horacio Castillo
879	4	Analysis of the full replica symmetry breaking equation for spin glass on Random Regular Graph	Francesco Concetti
921	4	Domain walls beyond the elastic approximation	Nirvana Belén Caballero, Thierry Giamarchi
926	4	Clogging versus jamming in obstacle arrays	Charles Reichhardt
946	4	Magnetic critical behavior, magneto-caloric response and magneto-transport phenomena in Fe- Co-based metallic glasses	Andrés Rosales-Rivera, Rafael Felipe González-Sánchez, Abilo Velásquez-Salazar, Jessica López-Tabares, Nicolás Antonio Salazar-Henao, Juan Carlos Hernández-Parra, Diego Fernando Gómez-Montoya, Fabio Daniel Saccone
966	4	Jamming and percolation of dimers on a restricted valence random sequential adsorption process	Alexandre Penteado Furlan, Robert Ziff, Ronald Dickman
1006	4	Safronov-Dubovski coagulation equation with quasi-binary collisions	Pavel Dubovski
1051	4	The role of shape in determining packing efficiency in random Apollonian packings	Gary W. Delaney, Tomaso Aste
555	5	Effective medium approximation in random networks of microchannels used as a model for diffusion in biological systems	Maria Luisa Cordero, Washington Ponce
561	5	Plectoneme dynamics in braided polymers	Giada Forte
569	5	Macroscopic description of neural ensembles	Gonzalo Uribarri, Santiago Boari, Ana Amador, Gabriel B. Mindlin
587	5	Obtaining entropic contributions to biocatalysis	Federico Nicolás Pedron, Dario Ariel Estrin
623	5	Measuring motility of soil bacteria in microfluidic porous media	Moniellen Pires Monteiro, Sofia Montagna, Veronica Marconi, Aníbal Lodeiro, Maria Luisa Cordero
626	5	Free-energy potential landscape description of motor proteins	Michael W. Jack, Nazul Jared Lopez-Alamilla, Katharine J. Challis
646	5	Role of nonlinear growth and dispersal in population pattern formation	Vivian de Araujo Dornelas Dornelas Nunes, Eduardo Henrique Filizzola Colombo, Celia Anteneodo
740	5	Multi scale (QM-MM) exploration of biochemical processes using biased molecular dynamics simulations	Jonathan Alexis Semelak, Ari Zeida, Maida Trujillo, Dario Estrin
780	5	Role of cell deformability in the two-dimensional melting of biological tissues	Yanwei Li, Massimo Pica Ciamarra

802	5	Bistability in the Apoptosis Caspase Network	Sol Maria Fernandez Arancibia
805	5	The effects of urea on protein stability: The role in the dehydration of the counterions	Carlos Gastón Ferrara, Yanis Ricardo Espinosa silva
830	5	How do single cells encode information? Statistical analysis of stem cells noisy signaling	Fiorella Fabris, Dhruv Raina, Schröter Schröter, Luis Guillermo Morelli
841	5	Prediction of speech impairment caused by brain tumor using graph theory and functional magnetic resonance	Gino Del Ferraro
853	5	Statistical properties of a nonpolarized active tissue	Fernanda Pérez, Rodrigo Soto
855	5	Dynamics of periodic contraction in cell adhesion	Andre Luis Brito Querino, Adriano Mesquita Alencar
862	5	Cell flux control at cell colony-medium tilted interfaces	Nicolás Eduardo Muzzio, Miguel Ángel Pasquale, Lia Isabel Pietrasanta, Omar Azzaroni, Alejandro Jorge Arvía
874	5	Antimicrobial peptides interaction with model membranes sampled by molecular dynamics simulations	Monica Pickholz, Natalia L. Cancelarich, Carmen Domene, Mariela M. Marani
885	5	Cellular reprogramming dynamics follow a simple one-dimensional reaction path	Sai Teja Pusuluri, Horacio Emilio Castillo
895	5	Fronts propagation and formation of domains in ecological communities	Pablo Mardones
906	5	Universality of clone dynamics during tissue development	Steffen Rulands
911	5	Collective strategies and cyclic dominance in asymmetric predator-prey spatial games	Annette Cazaubiel, Alessandra Lütz, Jeferson Arenzon
940	5	Mesoscopic population equations for spiking neural networks with synaptic short-term plasticity	Valentin Schmutz
956	5	A new coarse-grained model for the investigation of 3D chromatin organization	Stephen Farr
991	5	Stochastic modeling of intracellular transport performed by kinesin and dynein motor proteins	Gina Monzon, Lara Scharrel, Stefan Diez, Ludger Santen
995	5	Theoretical modeling of hydrophobin adsorption kinetics at the air-water interface	Neda Safaridehkohneh, Hendrik Hähl, Jonas Heppe, Karin Jacobs, Ludger Santen
997	5	An adaptive gravity model for interactions in insect swarms	Dan Gorbonos, James Puckett, Kasper van der Vaart, Rui Ni, Michael Sinhuber, Nicholas T. Ouellette, Nir Gov
1042	5	Predictive power of fMRI Dynamic Functional Connectivity in detecting Alzheimer's disease via Machine Learning	Sebastian Moguilner
1050	5	Geometric cues of bacteria cell-division regulating proteins revealed through microfluidic confinement	Chia-Fu Chou

1056	5	Single-file water permeation by the antimicrobial lantibiotic peptide Mutacin 1140	Prem Chapagain, Rudramani Pokhrel, Nisha Bhattarai, Prabin Baral, Bernard Gerstman, Jae Gerstman, Martin Handfield
1059	5	Precise motor simulations assist silent reading	Alan Taitz
610	6	Diffusion and chemotaxis in a models of bacteria with non-Poissonian dynamics	Andrea Angélica Villa Torrealba, Rodrigo Soto
618	6	Transport of colloids along a wiggling channel	Andrea Soledad Gotting, Maria Florencia Carusela, Paolo Malgaretti, José Miguel Rubi
625	6	Application of modified PDMS surfaces on the formation of water-in-oil drops in microchannels in absence of surfactants	Benjamin Oliva
633	6	Model of collective motion of filaments crawling on a surface	Ryota Shinagawa, Kazuo Sasaki
634	6	Application of evolutionary algorithms to the design of granular materials for tailored behaviour near to the jamming transition	Gary W. Delaney
682	6	On the impact of controlled surface roughness shape on the slippage of a soft material	Andrea Scagliarini
687	6	Minimal model of bacteria with active diffusion and logistic growth	Yuting Li
688	6	Thermodynamics cycles with active fluids	Tim Ekeh
692	6	Phase-separating colloidal mixtures: lattice-gas model, composition heterogeneities, and secondary quench	Pablo de Castro, Peter Sollich
708	6	Hyperuniform vortex patterns at the surface of type II superconductors	Alejandro B. Kolton
711	6	Active chiral particles under confinement: surface currents and bulk accumulation phenomena	Lorenzo Caprini, Umberto Marini Bettolo Marconi
713	6	Force network ensemble on a single grain: a Monte Carlo study reproducing experimental and simulation results	Manuel Antonio Cardenas-Barrantes, Jose Daniel Muñoz, William Fernando Oquendo
716	6	Decane and water mixture nanoconfined by planar, amorphous and hydrophobic walls	Carlos Gastón Ferrara, Tomas Sebastian Grigera, Ariel German Meyra
718	6	Critical phase behavior in multi-component fluid mixtures: Complete scaling analysis	Pablo de Castro, Peter Sollich
741	6	Oscillatory instabilities in strained frictional granular matter	Joyjit Chattoraj, Oleg Gendelman, Itamar Procaccia, Massimo Pica Ciamarra
746	6	Solving the inverse problem: model-free measurement of the pair potential in colloidal fluids from particle coordinates	Adam Edward Stones, Roel P. A. Dullens, Dirk G. A. L. Aarts

750	6	Cluster-crystal phases in a system with repulsive soft-core interactions	Rômulo Cenci, Lucas Nicolao
786	6	Photoisomerization process on a structurally modified dye dopant in a liquid crystal	Gregorio González-Cortés
807	6	Study of the efficiency of nanostructures for water desalination	Joao Pedro Abal, Marcia Cristina Bernardes Barbosa
810	6	Glass microspheres propelled by micrometric Ni particles in an aqueous medium driven by ellipsoidal AC magnetic fields	Guillermo Jorge, María Llera, Claudio Chilotte, Victoria Bekeris
815	6	Liquid nano-patterning between apposing brushes under pressure	Claudio Pastorino, Yongwook Kim, Sergiy Minko, Marcus Müller
816	6	Clogging of particle mixtures through narrow apertures: Effect of magnetic interactions	Marcos A. Madrid, Sebastián Bouzat, Manuel Carlevaro, Luis A. Pugnaloni, Marcelo Kuperman
842	6	Micromechanical theory of strain-stiffening	Carlos Villarroel
848	6	Wall theorem for non-equilibrium confined fluids	Ignacio Urrutia, Iván Paganini, Claudio Pastorino
866	6	Random-packing of semiflexible rings as a model for soft matter systems	Nicolas Ariel Garcia, Leopoldo R. Gomez, Jean-Louis Barrat, Thorsten Poeschel
878	6	On the clustering of particles with repulsive interaction	Matheus de Mello
883	6	Effect of different filling protocols in granular matter thermodynamic properties	Marcos Andres Madrid
888	6	Analytical results of the extensible freely jointed chain model	Alessandro Fiasconaro, Fernando Falo
899	6	Entropy production of flocking	Øyvind Lossius Borthne
924	6	The flow of particles through orifices immersed in a viscous environment	Diego Maza Ozcoidi
925	6	Stochastic field model for metric-free flocking	Eoin Ó Laighléis
929	6	About the vertical velocity profile of forced silos	Diego Maza Ozcoidi
937	6	Critical adsorption of multiple polyelectrolytes onto oppositely charged nanospheres	Sidney Jurado de Carvalho, Daniel Lucas Zago Caetano, Ralf Metzler, Andrey G. Cherstvy
951	6	Colloidal particle dynamic properties over a 2D Periodic Substrate system: A phase transition to steady-state distribution	Amin Najafi
998	6	Data driven simulation for pedestrian avoiding a fixed obstacle	Rafael Fernando Martin, Daniel Ricardo Parisi
999	6	Mobile-clogging transition in a Fermi-like model of counterflowing particles	Roberto da Silva, Eduardo Stock

1014	6	Towards the ultimate microscope: exploring the consequences of charge discontinuities at the nanoscale	Sara Dal Cengio, Anthony Robert Poggioli, Lydéric Bocquet
1019	6	Self-assembly of protein-made structures	Agnese Curatolo
1054	6	Like charge attraction in a 1D colloid	Lucas Varela Álvarez
457	7	Chimera states in coupled map lattices: Spatiotemporally intermittent behavior and an equivalent cellular automaton	Neelima M. Gupte, Joydeep Singha
467	7	Anomalous energy transport in an anharmonic chain. Simulation and comparison with fluctuating hydrodynamic theory	Roberto Antonio Barreto, María Florencia Carusela, Alejandro Gabriel Monastra
478	7	Bistability of a simple pendulum in turbulent flow	Mickaël Bourgoïn, Nicolas Bourgoïn, Ariane Gayout
527	7	Preferential concentration of heavy particles under the effect of gravity in isotropic and homogeneous turbulence	Florencia Falkinhoff, Pablo D. Mininni
544	7	Coexistence of acoustic waves and turbulence in low Mach number compressible flows	Joan Cerretani, Pablo Dmitruk
553	7	Lagrangian particle dynamics in anisotropic turbulence	Sofia Angriman, Pablo D. Mininni, Pablo Cobelli
655	7	Discrete integration of the KPZ equation in $d > 1$	Marcos Fernando Torres Rasmussen, Rubén Carlos Buceta
689	7	Front propagation transition induced by diffraction in a liquid crystal light valve	Alejandro José Alvarez-Socorro
754	7	Predicting extreme solar flares using an avalanche anisotropic model	Laura Fernanda Morales
784	7	Topological snapshot analysis of the Lorenz convection model's random attractor	Gisela Daniela Charó, Denisse Sciamarella, Mickael Chekroun, Michael Ghil
831	7	Non-linear dynamics of tensor modes in fluctuating real relativistic fluids	Nahuel Miron Granese, Alejandra Kandus, Esteban Calzetta
860	7	Inversion of a large semi-empirical dynamical systems model provides mechanistic insights for regional brain activity changes measured during loss of consciousness	Ignacio Martin Perez Ipiña, Enzo Rodolfo Tagliazucchi, Yonatan Sanz Perl, Helmut Laufs
882	7	Asymptotic dynamics of the damped Kuramoto-Sivashinsky equation	Leonardo Souto Ferreira, Lucas Nicolao
154	8	Multistable remote synchronization in a star-like network of non-identical oscillators	Juliana Lacerda, Celso Freitas, Elbert E N Macau
748	8	Memory processes in systems with Zipf-Pareto distributions	Ana Laura Schaigorodsky, Juan Ignacio Perotti, Nahuel Almeida, Orlando Vito Billoni
749	8	Blume-Emery-Griffiths model in a Bethe lattice with interaction between first and second neighbors	Tadeu Emanuel Scalvin, Anthony João Bet, Marcelo Henrique Romano Tragtenberg, Lucas Nicolao

758	8	Phase transition in a similarity-based model	Sebastián Pinto, Claudio Tessone, Pablo Balenzuela
760	8	Higher order correlations in non-stationary visually evoked gamma oscillations	Fernando Montani, Roman Baravalle, Adeeti Aggarwal, Guillermo Cecchi, Connor Brennan, Diego Contreras, Max Kelz, Alexander Proekt
761	8	Quantifying the complexity of the mechanisms that might lead to sleep disorders in Down syndrome mice	Román Baravalle, Matteo Falappa, Valter Tucci, Laura Cancedda, Maria Bolla, Fernando Montani
765	8	Anticipated and delayed synchronization: network strength quantification	Román Baravalle, Fernando Montani
770	8	Graph Theory tools for characterize Motor/Imaginary Movements in EEG	Román Baravalle, Natali Guisande, Mauro Granado, Osvaldo A. Rosso, Fernando Montani
773	8	First-order transition resulting from asymmetric input distribution in a neuron population model	Román Baravalle, Fernando Montani
791	8	Critical fluctuations in complex networks	Lluís Arola Fernández, Alex Arenas
798	8	Maximum entropy triangle model	Fabian Aguirre Lopez, Anthonius Coolen
801	8	Phase diagram and metastable states of the Ising model on interacting networks	Maíra Angélica Bolfe, Fernando Lucas Metz, Lucas Nicolao
808	8	Peak-end memory: an extension to asymmetric choices	Evangelos Mitsokapas, Rosemary J. Harris
809	8	Damage in a neuronal population and information transmission	Natali Guisande, Román Baravalle, Fernando Montani
811	8	Quantification of high frequency oscillations in preictal dynamic states	Mauro Granado, Román Baravalle, Fernando Montani
814	8	Mutability and Shannon entropy applied to the seismicity of northern Chile	Felipe Garrido Brevis
828	8	Scaling properties of normal intracranial electroencephalographic activity	Marcelo Arlego, Ezequiel Mikulan, Juan Martin Tenti
852	8	Detection of discrete scale invariance in self-organized criticality systems	Andre Luis Brito Querino, Adriano Mesquita Alencar
858	8	Manifold boundaries give grey-box models of complex systems	Mark K. Transtrum
863	8	Threshold q-voter opinion dynamics	Allan Rodrigues Vieira, Celia Anteneodo
880	8	Statistical analysis of text	Diego Leonardo Espitia, Hernán Larralde Ridaura
891	8	Avalanches of brain co-activation during sleep and wakefulness	Hernan Bocaccio, Stella Maris Sánchez, Gabriela De Pino, Mariana Nair Castro, Helmut Laufs, Mirta Villareal, Enzo Rodolfo Tagliacruzchi
892	8	Granular mixing: influence of a constriction in a horizontal oscillating system	Nicolas Even, Baptiste Perrelle, Marcelo Fabián Piva, Stéphane Job, Maria Alejandra Aguirre

896	8	Relaxation towards equilibrium of disks with non-uniform mass subjected to vertical tapping	Fabricio Éric Fernández, Marcelo Fabián Piva, Jean-Christophe Géminard, Maria Alejandra Aguirre
897	8	Granular flow through an aperture: influence of obstacles inside the bin	Maria Alejandra Aguirre, María Gala Areán
905	8	The R-Packages network: Structure, temporal evolution and assistance for users	Ariel Olaf Salgado, Andrés Farall, Inés Caridi
912	8	Real ingredients in the Schelling segregation model	Victoria Arcon, Juan Pablo Pinasco, Ines Caridi
915	8	Empirical determination of the optimum attack for fragmentation of modular networks	Carolina de Abreu Pereira, Sebastián Gonçalves, Bruno Requião da Cunha
919	8	Analyzing binary data: Is your model really pairwise?	Clelia de Mulatier, Paolo Mazza, Matteo Marsili
972	8	Stabilization by seasonal wind change on isolated longitudinal sand dunes	Sachi Nakano, Hiizu Nakanishi, Hiraku Nishimori
975	8	Information spreading in active matter	Demian Levis
984	8	Clogging a porous media	Hansjoerg Seybold, Izael A. Lima, Ascanio Dias Araújo
1005	8	Two universality classes of the Ziff-Gulari-Barshad model with CO desorption via time-dependent Monte Carlo simulations	Henrique Almeida Fernandes, Roberto da Silva, Alinne Borges Bernardi
1010	8	Theory of optimal learning machines	Matteo Marsili
1012	8	Quantifying echo chamber effects in information spreading over political communication networks	Wesley Cota, Silvio C. Ferreira, Romualdo Pastor-Satorras, Michele Starnini
1016	8	Enhancement of the perception range in interconnected two-layered random networks	Laura Antonia Barth Martinez, Marcelo Henrique Romano Tragtenberg
1018	8	Novel stationary solution on non-equilibrium system of coupled oscillators	Kevin Liu Rodrigues
1037	8	Application of locality preserving projection in molecular fingerprints	Takaaki Ohnishi
1053	8	A SIS model with opinion dynamics	Carlo Giambiagi Ferrari
1055	8	A SIS model with propagation of conducts	Juan Pablo Pinasco, Carlo Giambiagi Ferrari, Natalia Kontorovich, Nicolas Saintier
1061	8	Spectral renormalization group on non-metric spaces	Ayse Erzan, Asli Tuncer
169	8	Modeling Nonlinear Brain Dynamics with van der Pol Oscillators and Deep Recurrent Networks	Germán Abrevaya, Aleksandr Aravkin, Guillermo A. Cecchi, Irina Rish, Silvina Ponce Dawson, Peng Zheng, James Kozloski, Pablo Polosecki