

PEDRO LUIS GARRIDO GALERA

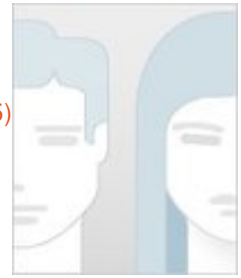
Grupo de Investigación: FÍSICA ESTADÍSTICA Y DE LOS SISTEMAS COMPLEJOS (Cod.: FQM165)

Departamento: Universidad de Granada. Electromagnetismo y Física de la Materia

Código ORCID: <http://orcid.org/0000-0001-8432-4165>

Mendeley: <https://www.mendeley.com/profiles/pedro-garrido1/>

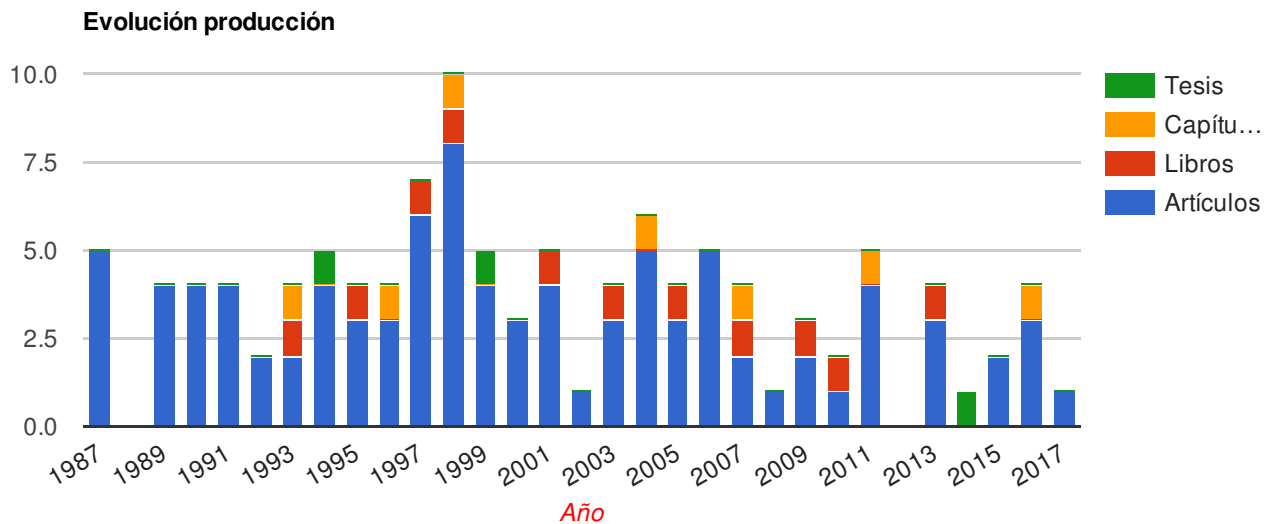
Código: 33568



Ficha del Directorio

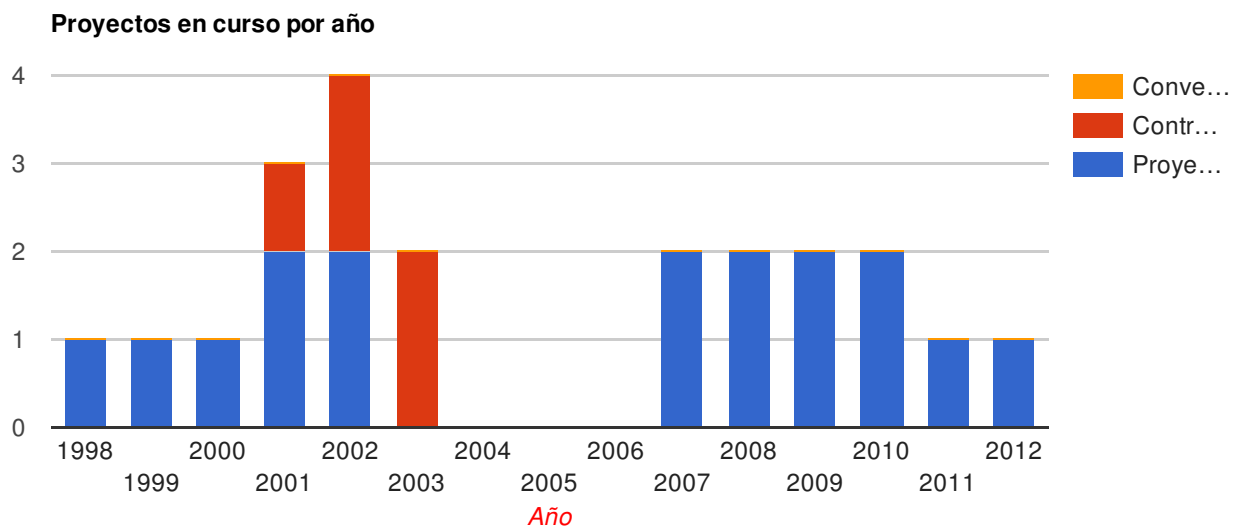
Producción 113

Artículos (92) Libros (11) Capítulos de Libros (7) Tesis dirigidas (3)



Proyectos dirigidos 7

Proyectos (5) Contratos (2) Convenios (0)



Actividades 1

Titulo publicación	Fuente	Tipo	Fecha
Structure of the optimal path to a fluctuation	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	2017
Non-equilibrium statistical mechanics of turbulence	The foundations of chaos revisited: from poincaré to recent advancements	Capítulo de libro	2016
Violation of universality in anomalous fourier's law	Scientific reports	Articulo	2016
Weak additivity principle for current statistics in d dimensions	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	2016
Weak additivity principle for current statistics in d dimensions	Physical review e: covering statistical, nonlinear, biological, and soft matter physics	Articulo	2016
Probing local equilibrium in nonequilibrium fluids	Physical review e: covering statistical, nonlinear, biological, and soft matter physics	Articulo	2015
Scaling laws and bulk-boundary decoupling in heat flow	Physical review e: covering statistical, nonlinear, biological, and soft matter physics	Articulo	2015
Fenómenos de no-equilibrio en un sistema de discos rígidos		Tesis doctoral	2014
Dynamical phase transition for current statistics in a simple driven diffusive system	Physical review e	Articulo	2013
Physics, computation, and the mind - advances and challenges at interfaces: proceedings of the 12th granada seminar on computational and statistical physics	Aip conference proceedings	Libros	2013
Rigid motions: action-angles, relative cohomology and polynomials with roots on the unit circle	Journal of mathematical physics	Articulo	2013
Thermodynamics of currents in nonequilibrium diffusive systems: theory and simulation	Journal of statistical physics	Articulo	2013
Fluctuations of the dissipated energy in a granular system	Non-equilibrium statistical physics. aip conference proceedings	Capítulo de libro	2011
Large deviations of the current in a two-dimensional diffusive system	Aip conference proceedings	Articulo	2011
Paradoxical reflection in quantum mechanics	American journal of physics	Articulo	2011
Symmetries in fluctuations far from equilibrium	Proceedings of the national academy of sciences of the united states of america	Articulo	2011
Spontaneous symmetry breaking at the fluctuating level	Physical review letters	Articulo	2011
Nonequilibrium statistical physics today. where shall we go from here?	American institute of physics	Libros	2010
Pendulum, elliptic functions and relative cohomology	Journal of mathematical physics	Articulo	2010
Current fluctuations and statistics during a large deviation event in an exactly solvable transport model	Journal of statistical mechanics: theory and experiment	Articulo	2009
Modeling and simulation of new materials: x granada seminar on computational and statistical physics	American institute of physics	Libros	2009
Test of the additivity principle for current fluctuations in a model of heat conduction	Physical review letters	Articulo	2009
Demagnetization via nucleation of the nonequilibrium metastable phase in a model of disorder	Journal of statistical physics	Articulo	2008
Boundary dissipation in a driven hard disk system	Journal of statistical physics	Articulo	2007

Cooperative behavior in neural systems	Aip	Libros	2007
Lattice versus lennard-jones models with a net particle flow	Traffic and granular flow'05	Capítulo de libro	2007
On the similarities and differences between lattice and off-lattice models of driven fluids	The european physical journal special topics	Articulo	2007
Effects of fast presynaptic noise in attractor neural networks	Neural computation	Articulo	2006
Metastability, nucleation and noise-enhanced stabilization out of equilibrium	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	2006
Nonequilibrium anisotropic phases, nucleation, and critical behavior in a driven lennard-jones fluid	Physical review b: covering condensed matter and materials physics	Articulo	2006
Stochastic resonance and scale invariance in nonequilibrium metastable states	European physical journal b. condensed matter and complex systems	Articulo	2006
Understanding scale invariance in a minimal model of complex relaxation phenomena	Journal of statistical mechanics: theory and experiment	Articulo	2006
Algorithms for identification and categorization	Aip conference proceedings	Articulo	2005
Effects of static and dynamic disorder on the performance of neural automata	Biophysical chemistry	Articulo	2005
Lennard-jones and lattice models of driven fluids	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	2005
Modeling cooperative behavior on the social sciences	American institute of physics	Libros	2005
Analysis of the interface in a nonequilibrium two-temperature ising model	Physical review. b, condensed matter	Articulo	2004
Boltzmann entropy for dense fluids not in local equilibrium	Physical review letters	Articulo	2004
Influence of topology on the performance of a neural network	Neurocomputing	Articulo	2004
Reentrant behavior of the spinodal curve in a nonequilibrium ferromagnet	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	2004
Relaxation of metastable states in a nonequilibrium ideal ferromagnet	Progress in ferromagnetism research	Capítulo de libro	2004
Switching between memories in neural automata with synaptic noise	Neurocomputing	Articulo	2004
Coarsening under anisotropic conditions in a lattice gas model	Aip conference proceedings	Articulo	2003
Kinetics of phase separation in the driven lattice gas: self-similar pattern growth under anisotropic nonequilibrium conditions	Physical review. b, condensed matter	Articulo	2003
Metastability and avalanches in a nonequilibrium ferromagnetic system	Aip conference proceedings	Articulo	2003
Modeling of complex systems	American institute of physics	Libros	2003
Comment(2) on "simple one-dimensional model of heat conduction which obeys fourier law";	Physical review letters	Articulo	2002
Entropic contributions in langevin equations for anisotropic driven systems	Physica a. statistical mechanics and its applications	Articulo	2001
Is the particle current a relevant feature in driven lattice gases?	Physical review letters	Articulo	2001
Modelling complex systems	American institute of physics	Libros	2001
Recent results on driven lattice gases	Aip conference proceedings	Articulo	2001
Simple one-dimensional model of heat conduction which obeys fourier's law	Physical review letters	Articulo	2001

	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	2000
Bulk dynamics for interfacial growth models			
Critical properties of nonequilibrium anisotropic lattice gases	Physica a. statistical mechanics and its applications	Articulo	2000
Universality classes of driven lattice gases	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	2000
Continuum field model of driven lattice gases	Journal of statistical physics	Articulo	1999
Neural networks in which synaptic patterns fluctuate with time	Journal of statistical physics	Articulo	1999
Nueva descripcion continua de gases reticulares con arrastre	Universidad de granada. electromagnetismo y física de la materia	Tesis doctoral	1999
On the effect of synaptic fluctuations during retrieval processes in neural network models	Computer physics communications	Articulo	1999
Quantum tunneling	Progress in theoretical chemistry and physics	Articulo	1999
A langevin equation for driven diffusive systems	Anales de física	Articulo	1998
Effect of correlated fluctuations of synapses in the performance of hopfield's neural network	Anales de física	Articulo	1998
Effect of correlated fluctuations of synapses in the performance of neural networks	Physical review letters	Articulo	1998
Europhysics conference: modelling collective phenomena in complex systems	European physical society (eps)	Libros	1998
Effect of correlated fluctuations of synapses in the performance of hopfield neural network	Anales de física. monografías rsef	Capítulo de libro	1998
Langevin equation for driven diffusive systems	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	1998
Langevin equation for driven diffusive systems	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	1998
Mesoscopic description of the annealed ising model, and multiplicative noise	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	1998
Modeling ionic diffusion in magnetic systems	Physical review. b, condensed matter	Articulo	1998
Nonequilibrium neural network with competing dynamics	Physica a. statistical mechanics and its applications	Articulo	1998
A field-theoretic study of a lattice gas in two planes	Lecture notes in physics	Articulo	1997
A kinetic description of disorder	Lecture notes in physics	Articulo	1997
Chaotic principle: an experimental test	Physica d: nonlinear phenomena	Articulo	1997
Fourth granada lectures in computational physics (Inp493)	Springer-verlag	Libros	1997
Kolmogorov-sinai entropy, lyapunov exponents and mean free time in billiard systems	Journal of statistical physics	Articulo	1997
Neural networks with fast time-variation of synapses	Journal of physics a: mathematical and general	Articulo	1997
Neural networks with fluctuating synapses	Lecture notes in physics	Articulo	1997
Complexity and nonequilibrium steady states: an example	The non linearity and the disorder	Capítulo de libro	1996
Monte carlo study of a compressible ising antiferromagnet on a triangular lattice	Physical review. b, condensed matter	Articulo	1996

On the equilibrium and time relaxation of a lattice gas in several boxes	Molecular physics	Articulo	1996
Phase transitions in driven lattice gases	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	1996
3rd granada lectures in computational physics	Springer-verlag	Libros	1995
A test for 2 fokker-planck modelings of a master equation	Journal of physics a: mathematical and general	Articulo	1995
Continuum description for nonequilibrium competing dynamic-models	Physical review letters	Articulo	1995
Nonequilibrium layered lattice gases	Journal of physics a: mathematical and general	Articulo	1995
Ecuaciones de fokker-planck y teoria de campos fuera del equilibrio	Universidad de granada. electromagnetismo y física de la materia	Tesis doctoral	1994
Fokker-planck equation for nonequilibrium competing dynamic-models	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	1994
Kinetic lattice models of disorder	Journal of statistical physics	Articulo	1994
Monte-carlo study of a kinetic lattice model with random diffusion of disorder	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	1994
Relaxation to equilibrium in nonconservative lattice systems	Europhysics letters	Articulo	1994
li granada lectures in computational physics	World scientific publishing company	Libros	1993
Ising model with two temperatures: simulation and theory	li granada lectures in computational physics	Capítulo de libro	1993
Magnetic system under a fluctuating field	Phase transitions	Articulo	1993
Nonequilibrium lattice models	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	1993
Nonequilibrium impure lattice systems	Journal of physics a: mathematical and general	Articulo	1992
Phase transitions in a probabilistic cellular automaton: growth kinetics and critical properties	Journal of statistical physics	Articulo	1992
A nonequilibrium version of the spin-glass problem	Europhysics letters	Articulo	1991
Fast-ionic-conductor behavior of driven lattice-gas models	Phase transitions	Articulo	1991
Long range correlations in stationary nonequilibrium systems with conservative anisotropic dynamics	Europhysics letters	Articulo	1991
Nonequilibrium model of neural network	Lecture notes in computer science	Articulo	1991
Kinetically disordered lattice systems	Lecture notes in physics	Articulo	1990
Long range correlations for conservative dynamics	Physical review a - atomic, molecular, and optical physics	Articulo	1990
Nonequilibrium stationary states and phase transitions in a driven diffusive lattice system	Annals of physics	Articulo	1990
Stationary distributions for kinetic lattice systs.with competing spin-flip dynamics	Journal of physics a: mathematical and general	Articulo	1990
Critical and finite-size-scaling behaviors of short-ranged order parameters	Journal of physics: condensed matter	Articulo	1989
Effective hamiltonian description of nonequilibrium spin systems	Physical review letters	Articulo	1989

Nonequilibrium ising models with competing, reaction-diffusion dynamics	Physical review a - atomic, molecular, and optical physics	Articulo	1989
One dimensional mixtures of hard points with stochastic boundary conditions	Journal of physics a: mathematical and general	Articulo	1989
Exactly soluble ising models with anisotropic interactions and arbitrary external magnetic field	Journal of physics a: mathematical and general	Articulo	1987
Integral equations for dense fluids: a priori controllable approximations	Journal of chemical physics	Articulo	1987
Ising models with anisotropic interactions: stationary nonequilibrium states with a nonuniform temperature profile	Physica a. statistical mechanics and its applications	Articulo	1987
Nonequilibrium phase diagram of ising model with competing dynamics	Physical review letters	Articulo	1987
Stationary nonequilibrium states in the ising model with locally competing temperatures	Journal of statistical physics	Articulo	1987

	Título proyecto	Tipo	Inicio	Fin
1	Fenómenos colectivos en sistemas complejos: teoría y computación	Proyecto	2/1/08	1/31/12
2	Fenómenos colectivos en sistemas, complejos: teoría y computación	Proyecto	6/1/07	6/1/10
3	Física estadística y no lineal	Proyecto	1/1/07	12/31/07
4	Aplicaciones científico-técnicas del ordenador y modelado de sistemas complejos	Contrato	1/1/02	12/31/03
5	Stability and universality in classical mechanics	Contrato	1/1/01	12/31/03
6	Tmr programme of the european union, dg xii science, research & development	Proyecto	1/1/01	12/31/02
7	Seminar on computational physics	Proyecto	11/1/98	10/31/02

Actividades 1

Título actividad	Fuente	Tipo	Fecha
Participación en comité de revista: computer physics communications		Comités científicos de revista	Jan 1, 1997

Colaboradores

- **JOAQUÍN MARRO BORAU** (71)
- **PABLO IGNACIO HURTADO FERNANDEZ** (26)
- **MIGUEL ANGEL MUÑOZ MARTINEZ** (18)
- **JOAQUIN JAVIER TORRES AGUDO** (16)
- **FRANCISCO DE LOS SANTOS FERNÁNDEZ** (9)
- **CARLOS PÉREZ ESPIGARES** (5)
- **MANUEL DÍEZ MINGUITO** (4)
- **Nicolás Tizón Escamilla** (1)