

Curriculum Vitae

Pablo Augusto Ferrari

Birth: Buenos Aires, 9/11/1949

Divorced, 4 children.

Positions

Professor at Instituto de Matematica e Estatistica Universidade de Sao Paulo, 1978-2008

Professor at Departamento de Matematica, Universidad de Buenos Aires, 2009-...

Visiting positions Université de Paris VI, December 1981, December 1986, January 1987 Università di Roma, January-February 1982. Department of Mathematics, Rutgers University, NJ-USA, December 1982- February 1983 August-1984 March-July-1985, December 1987, January 1990. Institut des Hautes Études Scientifiques September-1984 – February 1985. Rutgers University, February 1986. Institute for Theoretical Physics, University of California at Santa Barbara. October -November 1987. Università di Roma Tor Vergata – January – July 1989, February 1992, July 1992, September 1994, August 1997. Universidad de Chile – January 1991, December 1992, May 1993, May 1994. Ecole Polytechnique, Paris – July 1992. Newton Institute at Cambridge University (UK) July 1993 December 1993. Université de Paris VII, Cergy Pontoise e Rouen janeiro a dezembro 1999. Università di Roma Tor Vergata – January 2003. Institute des Hautes Etudes Scientifiques, January-June 2005. Newton Institute at Cambridge University (UK) May-June 2007. Universidad de Paris 7 January 2012, January 2013.

Grant reviewer and academic positions (non teaching/research)

Member peer review committee CNPq 1993-1996, FAPESP 1996-1998, CAPES 1996.

Member of Conselho Tecnico Aessor, 1998-2003, 2010-2011.

Chair Departamento de Estatística, Universidade de São Paulo, 1996-1998.

President Research Committee, Instituto de Matemática e Estatística da USP 1995-1996.

Vice Director, Instituto de Matemática e Estatística da Universidade de São Paulo 1998-2002.

Coordinator, Núcleo de Modelagem Estocástica e Complexidade, USP 2001-presente.

Co-Founder of Núcleo de Modelagem Estocástica de la Universidad de São Paulo (2002).

Prizes

Guggenheim Fellowship 1999

Scientific Societies

International Statistical Institute, Bernoulli Society, American Mathematical Society, Institute of Mathematical Statistics, Sociedad Latino Americana de Probabilidad y Estadística Matemática, Sociedad Brasileira de Matemática, Unión Matemática Argentina.

President Latin American Regional Chapter of Bernoulli Society and SLAPEM, 2004-2007.

Associate Editor

European Series in Applied and Industrial Mathematics. Probability and Statistics (2006-...),

ALEA, Revista Latino-Americana de Probabilidade e Estatística (2005-...),

Annals of Probability (2003-2006)

Mathematical Physics Electronic Journal (2002-...)

Electronic Journal of Probability (1996-2006)

Revista Brasileira de Probabilidade e Estatística (Brasil) (1994-2000)

Brazilian Journal of Probability and Statistics (Brazil) (2012-...)

Revista de Matematicas Aplicadas (Chile)(1993-...)

Journal of Statistical Physics (1993-96, 2010-2013)

Probability Theory and Related Fields (2008-2011)

Revista de la Unión Matemática Argentina (2011-...)

Meetings since 2009

[Combinatorics, Randomization, Algorithms and Probability](#) Montréal, May 4-8, 2009.
[New Directions in Random Spatial Processes](#) Montréal, May 11-14, 2009.
[Interacting Stochastic Particle Systems](#) Montréal, May 18 - 23, 2009. [XIV Escola Brasileira de Probabilidade](#) Búzios, Rio de Janeiro, de 01 até 07 de agosto 2010.
[Large Scale Stochastic Dynamics](#) MFO, Oberwolfach, November 7th - November 13th, 2010.
[7 ERPEM](#) Santa Fe, Argentina, December 1-3, 2010.
[School on Information and Randomness 2010](#) Santiago, December 10-14, 2010.
[SSP 2011](#) Irvine, California. March 24 to March 26, 2011
[Reunião anual de la UMA](#) Tucumán, del 20 al 23 de septiembre de 2011.
[Octavo ERPEM](#) Buenos Aires, November 30 to December 2, 2011.
[Lectures on Probability and Stochastic Processes](#) Kolkata, December 16 - 20, 2011, ISI,
[PASI](#) Santiago and Buenos Aires, January 3--14, 2012
[IRS](#) Institut Henri Poincare, January 24, 25, 2012.
[II Jornada Internacional de Probabilidad y Estadística](#) Lima, 1 al 3 de febrero del 2012.
[IV CLAM](#), Córdoba, del 6 al 10 de agosto de 2012.
[Interacting Particle Systems and Related Topics](#), August 27th – 31th, 2012, Florence, Italy.

PHD STUDENTS

Rinaldo Schinazi (1988) Comportamento da borda de sistemas markovianos de partículas interagindo com os vizinhos mais próximos sobre Z . IME-USP.
Fabio Prates Machado (1994) Resultados assintóticos para o modelo de exclusão com contágio. IMEUSP.
Jesús Garcia (2000) [Proceso de Hammersley](#). IME-USP.
Laura Ramos Rifo (2001) Castanhas do Para. IME-USP.
Tomas Tetzlaff (2004) [Procesos de ramificación con tipos no acotados y simulación de redes con pérdida](#). DC-UBA. [Codigo Fuente, ejecutable](#)
Valentin Sisko (2004). IME-USP. [Percolacao, processo de contato e meios aleatorios](#) IME-USP.
Marcos Antonio Santos, (2004) Simulacao perfeita de processos de nascimento/morte espaciais. IME-USP
Fredy Walther Castellares Caceres, IME-USP (2005) Automato celular probabilista, modelos unidimensionais de transito e teoria de filas.
Thomas Logan Ritchie, IME-USP (2005). Construcao do Limite de Saturacao Termodinamico para o "Parking Process" e Outros Esquemas de Exclusao em Z^d .
Nevena Maric, IME-USP (2006) Distribuicoes quase-estacionarias e o processo Fleming-Viot.
Cristian Coletti, IME-USP (2006) Caminhos orientados e o processo de Hammersley.
Rafael de Mattos Grisi (2005,...) [Deformacao harmonica da triangulacao de Delaunay](#) IME-USP 2009.
Sebastian Grynberg, DM-UBA (2009) Simulacion perfecta de campos aleatorios con spins.
Iesus Diniz (2009) IME-USP.

CURRENT PHD STUDENTS

Santiago Saglietti
Maria Eugenia Szretter
Nahuel Soprano Loto
Analia Ferrari
Julian Martinez
Sergio Lopez Ortega
Tatiana Piccolomini

POST DOC

Vladimir Belitsky (1993-94) Universidad de São Paulo
Hervé Guiol (1996-97) Universidad de Grenoble
Gustavo Guerberoff (1998-2000) Universidad de la Republica
José Ricardo G. de Mendonça (2000-2001) Asesor de la FAPESP

Davide Gabrielle (2000-2001) Universidad de l'Aquila
Elisabeth Remy (2000) Universidad de Marsella
Beat Niederhauser (2000-2004) Banco Suizo
Wu Xian-Yuan (2001-2002) Universidad de Pekin
Leandro Pimentel (2004) (2007) Universidad de Delft
Fernando Pigeard (2004-2005) Universidad de São Paulo, r. preto
Miguel Abadi (2004) Universidad de Campinas
Marcelo Sobottka (2007) Universidad de Concepción, Chile
Ana Patricia Gonçalves (2007) Universidad de São Paulo
Achilleas Tzioufas (2012-2014) Universidad de Buenos Aires
Sergio Yuhjtman (2013-2014) Universidad de Buenos Aires

Publications.

109. Amine Asselah, Pablo A. Ferrari, Pablo Groisman, Matthieu Jonckheere
Fleming-Viot selects the minimal quasi-stationary distribution: The Galton-Watson case.
[ArXiv/1206.6114](#).

108. Pablo A. Ferrari, James Martin
How to squeeze the toothpaste back into the tube.
[arXiv/1203.0176](#).

107. Pablo A. Ferrari, Rafael M. Grisi, Pablo Groisman
Harmonic deformation of Delaunay triangulations.
[Stoch. Process. Appl. vol 6 2185-2210, 2012, arXiv/1012.1677](#).

106. Pablo A. Ferrari, Eugene A. Pechersky, Valentin V. Sisko and Anatoly A. Yambartsev
Gibbs random graphs on point processes.
[J Math Phys 51, 113303 \(2010\), arXiv:1002.1006](#)

105. Amine Asselah, Pablo A. Ferrari, Pablo Groisman
Quasi-stationary distributions and Fleming-Viot processes for finite state Markov processes
[J. Appl. Probab. Volume 48, Number 2 \(2011\), 322-332, arXiv:0904.3039](#)

104. Martin R.; Evans, Pablo A. Ferrari, Kirone Mallick
Matrix representation of the stationary measure for the multispecies TASEP
[J. Stat Phys. Vol 135 2:201-216, 2009, arXiv:0807.0327](#)

103. Pablo A. Ferrari, Patricia Goncalves and James B. Martin
Collision probabilities in the rarefaction fan of asymmetric exclusion processes
[Ann. Inst. H. Poincare Probab. Statist. Volume 45, Number 4 \(2009\), 1048-1064, math.PR/0804.1770](#)

102. Cristian F. Coletti, Pablo A. Ferrari, Leandro P. R. Pimentel
The variance of the shock in the HAD process
[math.PR/0801.2526](#)

101. Pablo A. Ferrari, James B. Martin
Multiclass Hammersley-Aldous-Diaconis process and multiclass-customer queues
[Ann. Inst. H. Poincare Probab. Statist. Volume 45, Number 1 \(2009\), math.PR/0707.4202](#)

100. Pablo A. Ferrari, Sebastian P. Grynberg
No phase transition for Gaussian fields with bounded spins
[J. Stat. Phys. 130\(1\) 195-202, 2008, math.PR/0706.3714](#)

99. Fredy Castellares Caceres, Pablo A. Ferrari, Eugene Pechersky
A slow-to-start traffic model related to a M/M/1 queue
[J. Stat. Mech. \(2007\) P07008, cond-mat/0703709](#).

98. Pablo A. Ferrari, James B. Martin, Leandro P. R. Pimentel
A phase transition for competition interfaces
[Annals of Applied Probability 2009, Vol. 19, No. 1, 281-317, math.PR/0701418](#)
97. Pablo A. Ferrari, Claudio Landim, Valentin V. Sisko
Condensation for a fixed number of independent random variables
[J. Stat. Phys. 128\(5\), 1153-1158 \(2007\), math.PR/0612856](#)
96. Pablo A. Ferrari, Valentin V. Sisko
Escape of mass in zero-range processes with random rates
IMS Lecture Notes Monograph Series; Asymptotics: Particles, Processes and Inverse Problems Vol. 55 (2007) 108:120 [math.PR/0609469](#)
95. Pablo A. Ferrari, Nevena Maric
Quasi stationary distributions and Fleming-Viot processes in countable spaces
[Electronic Journal of Probability Vol. 12\(2007\) Paper 24 math.PR/0605665,](#)
94. Jorge R. Busch, Pablo A. Ferrari, A. Georgina Flesia, Ricardo Fraiman, Florencia Leonardi, Sebastian Grynberg
Testing statistical hypothesis on random trees
Annals of Applied Statistics 2009, Vol. 3, No. 2, 542-563. [math.ST/0603378](#)
93. Pablo A. Ferrari, James B. Martin
Multiclass processes, dual points and M/M/1 queues
Markov Process. Related Fields (2006) vol 12, 175-201. [math.ph/0509045](#)
92. Pedro J. Fernandez, Pablo A. Ferrari, Sebastian Grynberg
Perfectly random sampling of truncated multinormal distributions
[Advances in Applied Probability, Volume 39, Number 4 \(2007\), 973-990, math.PR/0505522](#)
91. Pablo A. Ferrari, James B. Martin
Stationary distributions of multi-type totally asymmetric exclusion processes
[Ann. Probab. Volume 35, Number 3 \(2007\), 807-832, math.PR/0501291](#)
90. Pablo A. Ferrari, James B. Martin, Leandro P. R. Pimentel
Roughening and inclination of competition interfaces
[Phys. Rev. E 73, 031602 \(2006\) math.PR/0412198](#)
89. Roberto Fernandez, Pablo A. Ferrari, Gustavo R. Guerberoff
Spatial birth-and-death processes in random environment
[Math. Phys. Electron. J. 11 \(2005\), Paper 3, 52 pp. \(electronic\) . math.PR/0410191](#)
88. Pablo A. Ferrari, Beat M. Niederhauser, Eugene A. Pechersky
Harness processes and non-homogeneous crystals
[J. Stat. Phys. 128, 5: 1159-1176, 2007, math.PR/0409301](#)
87. Pablo A. Ferrari, Leandro P. R. Pimentel (2005)
Competition interfaces and second class particles
[Ann. Probab. vol 33, 1235-1254, math.PR/0406333 .](#)
86. David Balding, Pablo A. Ferrari, Ricardo Fraiman, Mariela Sued (2009)
Limit theorems for sequences of random trees
[Test vol 18 Number 2 Electronic, math.PR/0406280](#)
85. Amine Asselah, Pablo A. Ferrari
Hitting times for independent random walks
[Ann. Probab. 2006, vol. 34, 1296-1338, math.PR/0403351](#)

84. Pablo A. Ferrari, Beat M. Niederhauser
Harness processes and harmonic crystals
[Stoch. Process. Appl. vol 6 939-956 \(2006\)](#) [math.PR/0312402](#)
83. E. Andjel, P. A. Ferrari, A. Siqueira
Law of large numbers for the simple exclusion process
[Stoch. Process. Appl. 1132, 2:217-233 \(2004\)](#) [math.PR/0305174](#)
82. P. A. Ferrari, L. R. G. Fontes, Xian-Yuan Wu
Two-dimensional Poisson Trees converge to the Brownian web
[Ann. Inst. H. Poincaré Probab. Statist. 41 \(2005\), no. 5, 851--858](#), [math.PR/0304247](#).
81. M. Cassandro, P.A. Ferrari, I. Merola, E. Presutti
Geometry of contours and Peierls estimates in $d=1$ Ising models
[J. Math. Phys. 46, 053305 \(2005\)](#), [math.PR/0211062](#).
80. P.A. Ferrari L.R.G. Fontes B. Niederhauser M. Vachkovskaia
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[Stoch. Process. Appl. vol 114, 175-190 \(2004\)](#). [math.PR/0210218](#)
79. P. A. Ferrari, C. Landim, H. Thorisson
Poisson trees, succession lines and coalescing random walks
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78. R. Fernandez, P. A. Ferrari, A. Galves
[Coupling, renewal and perfect simulation of chains of infinite order](#)
Notes for the V Brazilian School of Probability, Ubatuba, August 2001.
77. Amine Asselah, Pablo A. Ferrari
Regularity of quasi-stationary measures for simple exclusion in dimension $d \geq 5$
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76. S. R. M. Barros, P. A. Ferrari, N. L. Garcia, S. Martinez
Asymptotic behavior of a stationary silo with absorbing walls
[J. Stat. Phys. 106 3/4 521-546 \(2002\)](#). [math.PR/0104043](#)
75. A. De Masi, P. A. Ferrari
Flux fluctuations in the one dimensional nearest neighbors symmetric simple exclusion process
[J. Stat. Phys. 107 3/4 677-683 \(2002\)](#) [math.PR/0103233](#)
74. Renato M. Assuncao, Pablo A. Ferrari
Detection of spatial pattern through independence of thinned processes (2001).
[Test Volume 16, 333-345 \(2007\)](#), [math.PR/0103104](#)
73. F. M. Dunlop, P. A. Ferrari, L. R. G. Fontes
A dynamic one-dimensional interface interacting with a wall
[J. Stat. Phys. 107 3/4 705-727 \(2002\)](#). [math.PR/0103049](#)
72. Pablo A. Ferrari
[Mathematical models: stochastic models](#)
in N. J. Smelser and Paul B. Baltes (editors) 2001 International Encyclopedia of the Social & Behavioral Sciences. Pergamon, Oxford.
71. Francis Comets, Roberto Fernandez, Pablo A. Ferrari
Processes with Long Memory: Regenerative Construction and Perfect Simulation
[Ann. Appl. Probab. vol. 12 3:921-943 \(2002\)](#) [math.PR/0009204](#)

70. P. A. Ferrari, A Galves,
[Coupling and regeneration for stochastic processes](#)
Notes for a minicourse presented in XIII Escuela Venezolana de Matematicas, 2000.
69. P. A. Ferrari, J. L. Lebowitz, E. Speer,
Blocking measures for asymmetric exclusion processes via coupling
[Bernoulli Vol 7 6:935-950 \(2001\)](#). [math.PR/0002193](#)
68. Vladimir Belitsky, Pablo A. Ferrari, Mikhail V. Menshikov, Serguei Yu. Popov,
A Mixture of the Exclusion Process and the Voter Model
[Bernoulli, vol 7\(1\), 119-144, 2001](#). [math.PR/0002051](#)
67. Pablo A. Ferrari, Christian Maes, Laura Ramos, Frank Redig.
On the Hydrodynamic Equilibrium of a Rod in a Lattice Fluid.
[J Phys A vol 33 26:4725-4740 \(2000\)](#). [math.PR/0001073](#)
66. Pablo A. Ferrari, Pierre Picco.
Poisson approximation for large-contours in low-temperature Ising models.
[Physica A. 279 303-311 \(2000\)](#). [math.PR/9912136](#)
65. P. A. Ferrari, A. Galves, C. Landim.
Rate of convergence to equilibrium of symmetric simple exclusion processes.
Markov Processes and Related Fields 6 (2000), 73-88. [math.PR/9912008](#)
64. Enrique D. Andjel, Pablo A. Ferrari, Herve Guiol, Claudio Landim.
Convergence to the maximal invariant measure for a zero-range process with random rates.
[Stoch. Process. Appl. vol 90, 67-81 \(2000\)](#). [math.PR/9911205](#)
63. Roberto Fernandez, Pablo A. Ferrari, Nancy Garcia.
Perfect simulation for interacting point processes, loss networks and Ising models.
[Stoch. Process. Appl. 102, no. 1, 63--88 \(2002\)](#). [math.PR/9911162](#)
- [62](#). P.A. Ferrari, A. Maass, S. Martinez, P. Ney
Cesaro mean distribution of group automata starting from measures with summable decay
[Ergodic Theory and Dynamical Systems, vol 20, 1657-1670 \(2000\)](#). [math.PR/9912135](#)
- [61](#). Vladimir Belitsky, Pablo A. Ferrari
Invariant Measures and Convergence for Cellular Automaton 184 and Related Processes
[J. Stat Phys 118, 3-4: 589 - 593 ; math.PR/9811103](#)
- [60](#). R. Fernández, P. A. Ferrari, N. L. Garcia
Loss network representation of Ising contours
[Ann. Probab. 29 \(2001\), no. 2, 902--937](#). [math.PR/9806131](#)
- [59](#). R. Fernández, P. A. Ferrari, N. L. Garcia
Measures on contour, polymer or animal models. A probabilistic approach.
Markov Processes and Related Fields 4 (1998), no. 4, 479--497. [math.PR/9804031](#)
- [58](#). P. A. Ferrari, L.R.G. Fontes, M.E. Vares
The simple exclusion process with multiple shocks
[Annals de L'Institut Henry Poincare, Probabilités et Statistiques 36, 2 \(2000\) 109-126](#). [math.PR/9911237](#)
- [57](#). P. A. Ferrari, M. D. Gubitoso, E. J. Neves
Reconstruction of gray-scale images.
[Methodology and Computing in Applied Probability vol 3 255-270](#).
(2001) [math.PR/0003098](#) [Program Pictures](#)

56. P.A. Ferrari and S. Martinez
Hamiltonians on Random Walk Trajectories
[Stochastic Process. Appl. 78 \(1998\), no. 1, 47--68.](#)
55. P.A. Ferrari and A. Galves
[Acoplamento em processos estocásticos](#)
SBM, IMPA, Rio de Janeiro (1997).
54. P.A. Ferrari and L. R. G. Fontes
[Fluctuations of a surface submitted to a random average process](#)
Electronic Journal of Probability, Vol 3, Paper 6. (1998) [Abstract](#)
53. P.A. Ferrari and N. Garcia
[One-dimensional loss networks and conditioned M/G/\infty queues.](#)
[J. Appl. Probab. 35 \(1998\), no. 4, 963--975.](#)
52. J. Krug, P. A. Ferrari
[Phase transitions in driven diffusive systems with random rates](#)
[J. Phys. A. vol 29, L:465-471, \(1996\).](#)
51. Vladimir Belitsky, Pablo A. Ferrari, Norio Konno, Thomas M. Liggett
[A strong correlation inequality for contact processes and oriented percolation](#)
[Stochastic Process Appl. 67 \(1997\), no. 2, 213--225 \(1997\).](#)
50. P.A. Ferrari
[Limit theorems for tagged particles](#)
Markov Processes and Related Fields, Vol. 2:17-40 (1996)
49. I. Benjamini, P.A. Ferrari, C. Landim
[Asymmetric conservative processes with random rates](#)
[Stochastic Process Appl. vol 61 181-204 \(1996\).](#)
48. P.A. Ferrari, L. R. Fontes
[Poissonian approximation for the tagged particle in asymmetric simple exclusion](#)
[J. Appl. Probab. 33 2:411-419 \(1996\)](#)
47. P.A. Ferrari, S. Martinez, J. San Martin
[Phase transition for absorbed Brownian motion](#)
[J. Stat. Physics. 86 1/2:213-231 \(1996\).](#)
46. V. Belitsky, P.A. Ferrari
[Ballistic annihilation and deterministic surface growth](#)
[J. Stat. Physics. vol 80 3/4 \(1995\).](#)
45. P.A. Ferrari, H. Kesten, S. Martinez
R-Positivity, quasi stationarity and Yaglom limits for a class of cellular automata
[Ann. Appl. Probab. 6 2:577-616 \(1996\)](#)
44. P.A. Ferrari, A. Frigessi, P. Gonçalves de Sá
[Fast approximate MAP restoration of multicolor images](#)
[Journal of the Royal Statistical Society. vol 57 No. 3 485--500 \(1995\)](#)
43. P.A. Ferrari, A. Galves, T. M. Liggett
[Exponential waiting time for filling a large interval in the symmetric simple exclusion process](#)
[Annales de L'Institut Henri Poincaré. vol 31 1 155-175\(1995\)](#)
42. P.A. Ferrari, C. Kipnis

[Second class particles in the rarefaction front](#)
[Annales de L'Institut Henri Poincaré. vol 31 1 143-154 \(1995\)](#)

41. P.A. Ferrari, L.R.G. Fontes, Y. Kohayakawa
[Invariant measures for a two species asymmetric process](#)
[J. Stat. Physics. vol. 76 5/6 1153-1177 \(1994\)](#)

40. P.A. Ferrari, L. R. Fontes
[Shock fluctuations for the asymmetric simple exclusion process](#)
[Probab. Theory Related Fields vol. 99, 305-319 \(1994\)](#)

39. P.A. Ferrari, L. R. Fontes
[The net output process of a system with infinitely many queues](#)
[Ann. Appl. Probab. vol 4 4:1129-1144 \(1995\)](#)

[38](#). P.A. Ferrari, L. R. Fontes
Current fluctuations for the asymmetric simple exclusion process
[Ann. Probab. vol 22, 2 820/832 \(1994\)](#)

37. P.A. Ferrari, A. Galves, C. Landim
[Exponential waiting time for a big gap in a one dimensional zero range process](#)
[Ann. Probab. vol. 22 No. 1 284-288 \(1994\)](#)

36. P.A. Ferrari, H. Kesten, S. Martinez, P. Picco
[Existence of quasi stationary distributions. A renewal dynamical approach](#)
[Ann. Probab. vol 23, 2:511--521\(1995\)](#)

35. P.A. Ferrari, S. Martinez
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34. P.A. Ferrari
[Shocks in one-dimensional processes with drift](#)
in G. Grimmett (ed.), Probability and Phase Transition NATO ASI Series C: Mathematical and Physical Sciences Vol 420. 35-48. Kluwer Academic Publishers. Dordrecht (1994).

33. P.A. Ferrari
[Growth processes on a strip](#)
In Disordered systems (Temuco, 1991/1992), volume 53 of Travaux en Cours, pages 87--111.
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32. P.A. Ferrari, L. R. Fontes
[Shocks in asymmetric one-dimensional exclusion processes](#)
Resenhas IME-USP Vol 1. 57-68. (1993)

[31](#). P.A. Ferrari, L. R. Fontes
Fluctuations for the asymmetric simple exclusion process
in Cellular Automata and Cooperative Systems N. Boccara, E. Goles, S. Martinez and P. Picco Eds.
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30. P.A. Ferrari, S. Martinez, P. Picco
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[J. Stat. Phys. 66:1643 \(1992\).](#)

[29](#). P.A. Ferrari
Shocks in the Burgers equation and the asymmetric simple exclusion process
in Automata Networks, Dynamical Systems and Statistical Physics, E. Goles, S. Martinez editors.

Kluwer Math. and its Appl. 25-64 (1992).

[28.](#) P.A. Ferrari

Microscopic shocks in one dimensional driven systems

[Ann. Inst. H. Poincaré, 55, 637-655](#) (1991)

[27.](#) P.A. Ferrari, A. Frigessi, R.H. Schonmann

Convergence of the partially parallel Gibbs Sampler with annealing

[Ann. Appl. Probab. v.3 137-153](#) (1992).

26. P.A. Ferrari, S. Martinez, P. Picco

Existence of nontrivial quasi stationary distributions in the Birth and death chain

[Adv. Appl. Probability vol 24 795-813](#) (1992).

25. P.A. Ferrari, K. Ravishankar

Shocks in asymmetric exclusion automata

[Ann. Appl. Probab. v.2, No. 4, 928-941](#) (1992).

24. P.A. Ferrari

Shock fluctuations in asymmetric simple exclusion

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[23.](#) P.A. Ferrari

Ergodicity for a class of probabilistic cellular automata

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[22.](#) P.A. Ferrari, S. Martinez, P. Picco

Some properties of quasi stationary distributions in the birth and death chain: a dynamical approach in Instabilities and Non Equilibrium structures, Tirapegui Editor. Coll. Math. and its Appl. Kluwer 1991, pg. 177-187.

21. P.A. Ferrari, E. Presutti, E. Scaciatelli, M.E. Vares

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20. P.A. Ferrari, E. Presutti, E. Scaciatelli, M. E. Vares

The symmetric simple exclusion process. I Probability estimates

[Stochastic Process. Appl. 39:89-105](#) (1991)

19. C. Cammarota, P.A. Ferrari

Invariance principle for the branching exclusion process

[Stochastic Process Appl. 38 1-11](#)(1991)

18. P.A. Ferrari, C. Kipnis, S. Saada

Microscopic structure of travelling waves for the simple asymmetric exclusion process

[Ann Probab. 19 no 1 \(226-244\)](#) (1991)

17. P.A. Ferrari

Ergodicity for spin systems with stirrings

[Ann Probab. \(1990\), 18, no 4 1523--1538.](#)

16. A. De Masi, P.A. Ferrari, M.E. Vares

A Microscopic model of interface related to the Burgers equation

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15. A. De Masi, P.A. Ferrari, S. Goldstein, W.D. Wick

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environments

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14. P.A. Ferrari

Invariance principle for a solid-on-solid interface model

[J. Stat. Phys. 51 5/6:1077-1090](#) (1988).

13. P.A. Ferrari, J.L. Lebowitz, C. Maes

On the positivity of correlation in nonequilibrium systems

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12. M. Bramson, P. Calderoni, A. De Masi, P.A. Ferrari, J. Lebowitz, R. Schonmann

Microscopic selection principle for diffusion-reaction equations

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11. P.A. Ferrari, E. Presutti, M.E. Vares

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10. A. De Masi, P.A. Ferrari, J.L. Lebowitz

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