

Anna Porzio

Thèmes de recherche

Stabilité des systèmes hamiltoniens quasi-intégrables.

Analyse multifractale des mesures en dynamique chaotique..

Théorie des valeurs extrêmes et lissage optique.

Dynamique des particules énergétiques dans l'interaction laser-plasma.

Publications

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Bollettino Unione Matematica Italiana 6 1986 p. 93-108

A. Celletti C. Falcolini A. Porzio : Rigorous numerical stability estimates for the
existence of Kam tori in a forced pendulum. Annales de l' IHP 47 1987 p. 85-111

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P. Collet J. Lebowitz A. Porzio: The dimension spectrum of some dynamical sys-
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G. Gallavotti A. Porzio : The almost everywhere convergence of Fourier series.
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P. Lochak A. Porzio : A realistic exponential estimate for a paradigm hamiltonian.
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F. Ledrappier A. Porzio A dimension formula for Bernoulli convolutions Journal of Stat Phys 76(5-6) 1994 p. 1307-1327

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F. Ledrappier A. Porzio : On multifractal analysis of Bernoulli Convolutions. - Part II : Dimensions Journal of Stat Phys 82 (1-2) 1996 p. 397-420

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A. Porzio, S.Hüller . Extremal properties of weakly correlated random variables arising in speckle patterns. Journal of Stat. Phys. 2010 vol 38 n 6 p 1010-1044

S. Hüller A. Porzio Order statistics and extremal properties of spatially smoothed laser beam in laser-plasma interactions. *Laser and particle beams* 2010 28 p 463-477

S.Hüller A. Porzio J. Robiche Order statistics of high-intensity speckles in Stimulated Brillouin Scattering and plasma-induced laser beam smoothing. *New Journal of Physics* 15 p. 1-25 2013

S. Hüller A. Porzio Weibull type speckle distribution as a result of saturation in stimulated scattered processes. *Laser and particle beams* 2015 33 p 667-678

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