



**Roberto Artuso**

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## Contact data

### Associate Professor

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## Biography

Born in Venice, April 1958. Married, two daughters.

## Qualifications and awards

Ph.D. in Physics, University of Milan 1988

## Research interests

Classical and quantum chaos. Statistical mechanics.

## Teaching experience and appointments

Statistical mechanics 1 and 2. Rigid bodies and introductory fluid dynamics.

## Representative publications

R. Artuso, E. Aurell e P. Cvitanovi'c, "Recycling of Strange Sets: I. Cycle Expansions", *Nonlinearity*, 3 (1990) 325

R. Artuso, E. Aurell e P. Cvitanovi'c, "Recycling of Strange Sets: II. Applications", *Nonlinearity*, 3 (1990) 361

R. Artuso, G. Casati e D.L. Shepelyansky, "Fractal Spectrum and Anomalous Diffusion in the Kicked Harper Model", *Phys.Rev.Lett.*, 68 (1992) 3826

R. Artuso, F. Borgonovi, I. Guarneri, L. Rebuzzini e G. Casati, "Phase Diagram in the Kicked Harper Model", *Phys.Rev.Lett.* 9 (1992) 3302

R. Artuso, G. Casati e R. Lombardi, "Periodic Orbit Theory of Anomalous diffusion", *Phys.Rev.Lett.* 71 (1993) 62

P. Dahlqvist and R. Artuso, "Decay of correlations in Sinai Billiards", *Phys.Lett.* A219 (1996) 212

R. Artuso, G. Casati and I. Guarneri, "Numerical study on ergodic properties of triangular billiards", *Phys.Rev.* E55 (1997) 6384

D. Alonso, R. Artuso, G. Casati and I. Guarneri, "Heat conductivity and dynamical instability" *Phys.Rev.Lett.* 82 (1999) 1859

R. Artuso e L. Rebuzzini, "Nonlinearity effects in the kicked oscillator". *Phys.Rev.E*66 (2002) 017203

R. Artuso and G. Cristadoro, "Anomalous transport: a deterministic approach", Phys.Rev.Lett. 90 (2003) 244101