LIST OF PUBLICATIONS OF MARIO ABUNDO

Journals/Collections


M. Abundo, L. Accardi, N. Rosato, G. Mei, A. Finazzi Agrò: 
*A stochastic model for the sigmoidal behaviour of cooperative biological systems*

M. Abundo, L. Caramellino: *Some remarks about a Markov chain which models cooperative biological systems*

M. Abundo, L. Accardi, N. Rosato: *A Markovian model for cooperative interactions in proteins*

M. Abundo, C. Rossi: *Some scenario Analyses for HIV epidemic*

M. Abundo, C. Rossi: *A stochastic model of the impact of genetic variability of HIV on the immune system in infected patients*

M. Abundo, L. Accardi, A. Auricchio: *Hyperbolic automorphisms of Tori and pseudo-random sequences*

M. Abundo, C. Rossi, O. Rubiu: *Estimation of parameters for a stochastic model of tumoral cells treated with anticancer agents*

M. Abundo: *A stochastic model for predator-prey systems: basic properties, stability and computer simulation*

M. Abundo, L. Accardi: *Squeezing corrections to the Bloch equations*

M. Abundo, G. Mele: *Absolutely continuous invariant measures for expanding maps of a d-dimensional unit cube in Rd and their entropy*

M. Abundo, C. Rossi: *Numerical Simulations of a stochastic model for cancerous cells submitted to chemotherapy*

M. Abundo: *An almost sure invariance principle for the maps Sd(x)=ax(1-x) in the interval [0,1]*

M. Abundo: *Entropy and characteristic exponents for the quadratic map on the unit interval*

M. Abundo: *A remark about topological and measure entropy for a class of maps of the interval [0,1]*

M. Abundo, B. Tirozzi: *A central limit theorem for expanding maps of the interval [0,1]*

M. Abundo, B. Tirozzi: *The central limit theorem for a class of maps of the interval [0,1]*

Proceedings of conferences with referee

(Quesada-Arenciba, Rodrigues, Moreno- Diaz R. jr., Moreno-Diaz R. eds.)


M. Abundo: *On comparison of solutions of diffusion and jump-diffusion equations*

2. M. Abundo: A stochastic model for protein aggregation

3. M. Abundo: Analysis of noise in cooperative systems in Biology


Technical reports

5. M. Abundo: Sequencing DNA fragments by using a simulated annealing algorithm
   Technical Report Centro Matematico V. Volterra N.46, July 90.

4. M. Abundo: The simulated annealing algorithm viewed as an iterated function system
   Technical Report Centro Matematico V. Volterra N.45, July 90.

3. M. Abundo: Proprietà di trasformazioni sull’intervallo [0,1]

2. M. Abundo, S. Ghinami, B. Tirozzi: 1/f noise for a stochastic dynamic of a one dimensional lattice spin system

1. M. Abundo: Equivalenza tra l’ensemble canonico e l’ensemble di Gibbs per opportuni campi di Gibbs

Preprints

1. M. Abundo, M. B. Scioscia Santoro On the successive passage times of certain one-dimensional diffusions.


Books
