

Contents

Foreword	7
On the performance of big companies in the crisis period 2005-2010 Rui Namorado Rosa	9
The Analogy Between Equilibrium Thermodynamics and Neoclassical Microeconomics Tânia Sousa and Tiago Domingos	15
Multivariate entropy measures applied to time series analysis José Abílio Oliveira Matos	33
Price transmission and the globalization of stock markets: evidence from five countries Rui Menezes	41
Long-range correlations for stock indexes Paulo Ferreira and Andreia Dionísio	61
Information Diffusion and the Propagation of Shocks Orlando Gomes, Vivaldo M. Mendes and Diana A. Mendes	87
GME versus OLS – Which is the best to estimate utility functions? Cesaltina Pires, Andreia Dionísio, Luís Coelho	105
Simple model of finite resource exploitation A. Heitor Reis	125
Long division unites - long union divides, A model for cultural and economical evolution Q.A. Wang and Jian Jiang.	137