Contents

1. New Trends in Financial Modelling	
Financial modelling in the new paradigm of the decision theory J. Gil-Aluja	3
Optimization techniques for portfolio selection <i>P.M. Pardalos</i>	19
II. High Performance Computing and Finance	
Asset liability management for pension funds: Elements of Dert's model R. Kouwenberg	37
Postoptimality for a bond portfolio management model J. Dupacova, M. Bertocchi and V. Moriggia	49
Demand for assets by heterogeneous agents in the Italian markets R.L. D'Ecclesia and S.A. Zenios	63
III. Financial Markets, Portfolio Theory and Selection	
Recent developments in modelling abnormal stock returns: A review essay I.N. Floropoulos, Ch. I. Negakis and D.V. Kousenidis	83
Warrants pricing in a thin market: Case of Thailand J.P. Gupta, I.M. Pandey and P. Kanchanachayphoom	101
"Ebb and flow" of fundamentalist, imitator and contrarian investors in a financial market A. Tagliani, L. Peccati and L. Ferrari	121
Applicability of the CAPM on the Hungarian stock market: An empirical investigation G. Rappai and J. Varga	133
Stock market behaviour and imitation: Some further results S. Bosco	145
On selecting a portfolio of lease contracts in an asset-backed securitization process R. Mansini and M. Grazia Speranza	157
IV. Financial Forecasting	
Nonlinear error-correction models in the Greek money market R.N. Markellos and C. Siriopoulos	173

An investigation into alternative indicators of risk exposure: A case study at the export credits guarantee department (U.K.) K.N. Kanellopoulos	183
Disappearing clouds: Weather influences on retail sales P. Fris	195
V. Corporate Finance: Investment and Financing Decisions	
Firm finance and growth: An empirical analysis N. van der Wijst	209
Investment project analysis and financing mix: A new method in sight? D. Babusiaux and J. Jaylet	221
A new linear programming formulation for the capital rationing problem S. Baccarin	233
VI. Insurance Companies and Financial Modelling	
Modelling shareholder value of insurance companies J.H. von Eije and P.W. Otter	247
Zero-utility premium and time L. Tibiletti	259
On the use of multicriteria methods for the evaluation of insurance companies in Greece P.M. Pardalos, M. Michalopoulos and C. Zopounidis	271
VII. Stochastic Modelling and Uncertainty in Finance	
Preferences for early resolution of risk in financial markets with asymmetric information <i>D.C. Ami</i>	287
GARCH models as diffusion approximation: A simulation approach for currency hedging using options <i>R. Castellano and F. Di Ottavio</i>	297
Antiusury laws and market interest rate dynamics D.M. Cifarelli, L. Peccati and A. Tagliani	311
Selection of investment using a decision tree R. Kalfakakou, K. Anastasiadis and P. Christidis	323

VIII. Data Analysis and Financial Accounting	
Accounting ratios as factors of rate of return on equity D. Mramor and N. Mramor Kosta	335
Multivariate analysis in segment reporting by large industry firms in Greece Ch. T. Spathis	e 349
An alternative proposal in evaluating the performance of mutual funds D. Karapistolis, I. Papadimitriou and N. Koutsoupias	365
IX. Multicriteria Analysis in Financial Decisions	
A circumscribed ellipsoid method for multiobjective programming and applications to financial planning Th. B. Trafalis and T. Mishina	377
A decision support approach based on multicriterion Q-Analysis for the evaluation of corporate performance and viability N.F. Matsatsinis, I.B. Sintos and C. Zopounidis	389
Establishing efficiency benchmarks of bank branches Ch. V. Zenios, S.A. Zenios, K. Agathocleous and A. Soteriou	405
Preference disaggregation methodology in segmentation problems: The case of financial distress C. Zopounidis and M. Doumpos	417
Linear and dynamic modelisations of defeasance operations Ph. Spieser and A. Chevalier	44]
Author Index	453