



# Evolutionary Computation in Economics and Finance [

Chen, Shu-Heng.

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Artificial intelligence

Economic theory

Finance

Computer software

Mathematics

Artificial Intelligence

Economic Theory/Quantitative

Economics/Mathematical Methods

Finance, general

Algorithm Analysis and

Problem Complexity

Game Theory, Economics, Social and Behav. Sciences

Monografía

After a decade's development, evolutionary computation (EC) proves to be a powerful tool kit for economic analysis. While the demand for this equipment is increasing, there is no volume exclusively written for economists. This volume for the first time helps economists to get a quick grasp on how EC may support their research. A comprehensive coverage of the subject is given, that includes the following three areas: game theory, agent-based economic modelling and financial engineering. Twenty leading scholars from each of these areas contribute a chapter to the volume. The reader will find himself/herself treading the path of the history of this research area, from the fledgling stage to the burgeoning era. The results on games, labour markets, pollution control, institution and productivity, financial markets, trading systems design and derivative pricing, are new and interesting for different target groups. The book also includes informations on useful web sites, conferences, and computer software

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