



Dynamic Games and Applications in Economics /

Baar, Tamer

Springer Berlin Heidelberg,
1986

Monografía

This volume contains eleven articles which deal with different aspects of dynamic and differential game theory and its applications in economic modeling and decision making. All but one of these were presented as invited papers in special sessions I organized at the 7th Annual Conference on Economic Dynamics and Control in London, England, during the period June 26-28, 1985. The first article, which comprises Chapter 1, provides a general introduction to the topic of dynamic and differential game theory, discusses various noncooperative equilibrium solution concepts, including Nash, Stackelberg, and Consistent Conjectural Variations equilibria, and a number of issues such as feedback and time-consistency. The second chapter deals with the role of information in Nash equilibria and the role of leadership in Stackelberg problems. A special type of a Stackelberg problem is the one in which one dominant player (leader) acquires dynamic information involving the actions of the others (followers), and constructs policies (so-called incentives) which enforce a certain type of behavior on the followers; Chapter 3 deals with such a class of problems and presents some new theoretical results on the existence of affine incentive policies. The topic of Chapter 4 is the computation of equilibria in discounted stochastic dynamic games. Here, for problems with finite state and decision spaces, existing algorithms are reviewed, with a comparative study of their speeds of convergence, and a new algorithm for the computation of nonzero-sum game equilibria is presented

<https://rebiunoda.pro.baratznet.cloud:28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbgVcmF0aW9uOmVzLmJhcmF0ei5yZW4vMzgzNzIwNDE>

Título: Dynamic Games and Applications in Economics edited by Tamer Baar

Editorial: Berlin, Heidelberg Springer Berlin Heidelberg 1986

Descripción física: 1 online resource (ix, 288 pages)

Mención de serie: Lecture Notes in Economics and Mathematical Systems 0075-8442 265

Contenido: 1. A Tutorial on Dynamic and Differential Games -- 2. On Expectations, Information and Dynamic Game Equilibria -- 3. On Affine Incentives for Dynamic Decision Problems -- 4. On the Computation of Equilibria in Discounted Stochastic Dynamic Games -- 5. Some Economic Applications of Dynamic Stackelberg Games -- 6. Applications of Dynamic Game Theory to Macroeconomics -- 7. Optimal Strategic Monetary Policies in Dynamic Interdependent Economies -- 8. Optimal Dynamic Pricing in an Oligopolistic Market: A Survey -- 9. Dynamic Advertising and Pricing in an Oligopoly: A Nash Equilibrium Approach -- 10. Game Theory Models of Fisheries Management -- A Survey -- 11. Common-Property Exploitations under Risks of Resource Extinctions

Copyright/Depósito Legal: 934989591 936313576

ISBN: 9783642616365 electronic bk.) 3642616364 electronic bk.) 9783540164357 3540164359

Materia: Economics Economics Économie politique economics. Economics.

Enlace a formato físico adicional: Print version 9783540164357

Punto acceso adicional serie-Título: Lecture notes in economics and mathematical systems 265

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es