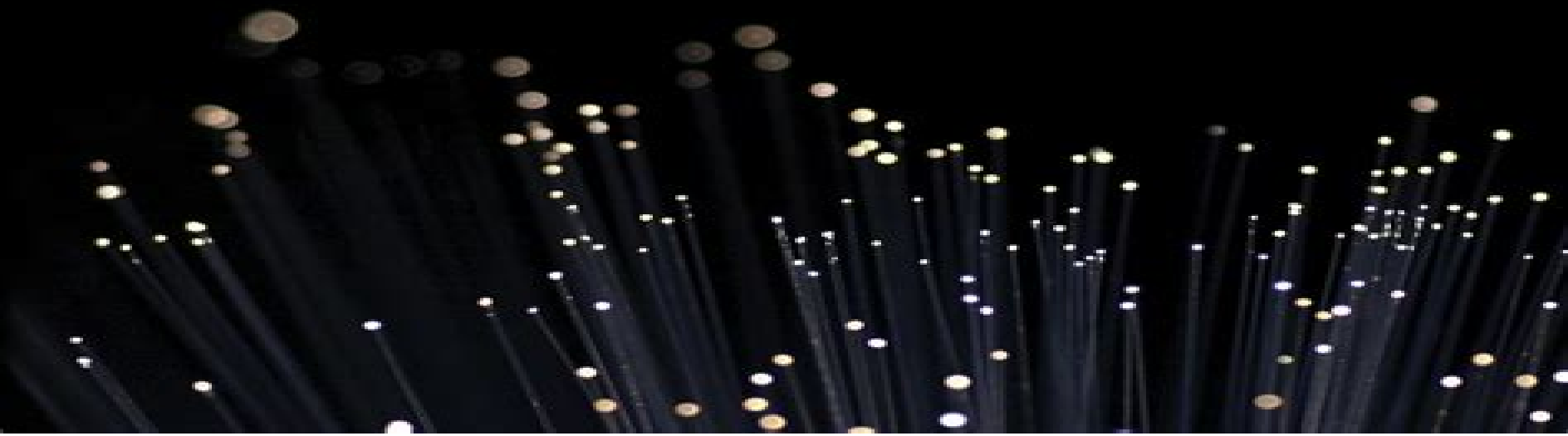


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econometrics as a whole rather than as a profusion of apparently unrelated ideas *Journal of Economic Dynamics & Control*, 2003 Stochastic Models of Control and Economic Dynamics Vadim Iosifovich Arkin, I. V. Evstigneev, 1987 This book is devoted to a specific problem in the general theory of automatic control sequential control under conditions of incomplete information The main results concern the case in which at each moment of continuous time only a finite number of controls are admissible and the results of control action are represented by realizations of random variables whose distributions at a given control correspond to one of several alternative hypotheses The analysis is conducted in a Bayesian framework Economic Dynamics Giancarlo Gandolfo, 1996 Treating the mathematical methods used in the economic dynamics this book shows how they are utilised to build and analyse dynamical models Accordingly the focus is on the methods and every new mathematical technique introduced is followed by its application to select economic models The mathematical methods covered range from elementary linear difference and differential equations and simultaneous systems to the qualitative analysis of non linear dynamical systems Stability considerations are stressed throughout including many advanced topics Bifurcation and chaos theory are also dealt with The reader is guided through a step by step analysis of each topic be it a mathematical method or an economic model The Study Edition also provides the reader with solutions to the numerous exercises Economic Computation and Economic Cybernetics Studies and Research, 2006 *The Legacy of Herbert Simon in Economic Analysis* Peter E. Earl, 2001 **Nonlinear Economic Dynamics** Tõnu Puu, 1989 The present study is a preliminary draft on nonlinear economic dynamics with which the author has been concerned the last years It grew out from the joint work by Professor Martin Beckmann and the present author on nonlinear statics in spatial economics Beckmann and Puu *Spatial Economics* North Holland 1985 The monograph mentioned contains sections on price waves and business cycles but in a linear format The rest is static theory The author has finally come to the conviction that linear dynamic modelling has very little to yield This is due to the poor set of alternatives decay or explosion of motion pertinent to linear models Therefore the present work centres on non linearity Another distinction is that only purely causal models are dealt with as those formatted as inter temporal equilibria hardly belong to the more restricted field of dynamics The spatial origin is visible in the choice of models Chapter 2 summarizes the work by the author on the structural stability of continuous spatial market equilibrium models Chapter 3 deals with a reformulation of the ingenious population growth and diffusion model invented by the young Hotelling in 1921 Chapter 4 is a detailed digression on business cycle models in a continuous spatial format with interregional trade Mathematical Reviews, 2003 *Agent-based Approaches in Economic and Social Complex Systems* Akira Namatame, Takao Terano, Koichi Kurumatani, 2002 A Study in the Theory of General Equilibrium and Growth Ischiro Jimbo, 1990 **Dynamic Economic Theory** Jean-Pierre Aubin, 1997-05-20 This book is intended to provide economists with mathematical tools necessary to handle the concepts of evolution under uncertainty and adaption arising in economics pursuing the Arrow Debreu Hahn legacy It applies the techniques of viability theory to the study of

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