

## PRODUCTION AND UNCERTAINTY IN DYNAMIC GENERAL EQUILIBRIUM

There remain some unexplored points when production and uncertainty are included in the Dynamic General Equilibrium Theory. In this respect, the book “Production and Uncertainty in Dynamic General Equilibrium” tries to summarize the current state of the literature, providing some novel results together with the starting points for future investigations. The first section contains the equilibrium definitions for an economy with time, production and uncertainty, as well as their relationships and properties, offering interesting intuitions on the role played by time, information, and expectations. The second part analyzes the implications that the introduction of production and uncertainty has on aggregation results, Real Business Cycle Theory, and the study of asset markets and insurance activities. Finally, the third section provides a brief description of the main computational techniques for solving the dynamic non-linear systems that arise from the general equilibrium models with production and uncertainty. In essence, this handbook aims to provide researchers and advanced students a self-contained text on General Equilibrium with Production and Uncertainty, looking for practicality in the sense of avoiding excessive abstraction without renouncing analytical rigor, supplying the essential concepts and tools for current and future research, and reducing the time and bibliographic cost usually involved in Stochastic General Equilibrium modeling.

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