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Collana	Lecture Notes in Economics and Mathematical Systems, , 0075-8442 ; ; 672
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Soggetti	Economic theory Economic growth Game theory Macroeconomics Economic Theory/Quantitative Economics/Mathematical Methods Economic Growth Game Theory, Economics, Social and Behav. Sciences Macroeconomics/Monetary Economics//Financial Economics
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Introduction.- Balanced Growth in Decentralized Economies -- Transition to Balanced Growth -- The Finance of the Transition Phase -- Production Capacities in Decentralized Economies -- Models of Technological Progress in Decentralized Economies -- Cyclical Growth in Decentralized Economies.- Final Consumption -- Appendix: Nonnegative Matrices -- Index.
Sommario/riassunto	This book is devoted to the study of dynamical models of decentralized economic systems. The models considered are based on the Leontief simple dynamic model with various mechanisms for decentralized planning and management. Branches of the economic system are treated as fully independent economic agents that plan their work according to their own purposes. It is shown that the lack of coordination between economic agents leads to a limit cycle for some

economic indicators. Conversely, the exchange of information between the economic agents enables a move toward balanced growth. These results are generalized for the model with dynamics of the productive assets and for the model with the final consumption. The analysis also considers a problem of endogenous technological progress in a decentralized economy. The appendix includes a short review of non-negative matrices. The book offers a valuable resource for mathematical economists and graduate students specializing in mathematical economics.
