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A theory of money and financial institutions: Fiat money and noncooperative equilibrium in a closed economy

Papers Published: December 1971

Volume 1, pages 243–268 (1971) Cite this article



International Journal of Game Theory

Martin Shubik[1]

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Abstract

Fiat money is a type paper or symbol with which any individual may buy most things by law. It has virtually no intrinsic value but immediately assumes a trading value when its shortage (i.e., when it is no longer a slack variable to everyone in the appropriate set of simultaneous programs) can prevent trades that would have been deemed profitable in a nonmonetary competitive equilibrium system.

This paper sketches an approach to a theory of fiat money by investigating the properties of a noncooperative dynamic trading game embedded within a closed economic system.

Among the conclusions are that inflation and deflation are not symmetric, and that it is not possible to define a noncooperative game involving borrowing without specifying “rules of borrowing” or a bankruptcy law.

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Author information

Authors and Affiliations

Cowles Foundation for Research in Economics, Yale University, 06 520, New Haven, Connecticut

Martin Shubik

Additional information

This research was supported by the Office of Naval Research. The research was also partially supported by a grant from the Ford Foundation. The author wishes to thankLLOYD SHAPLEY for his help and insights given in many conversations. Miscalculations, assertions and errors are my own.

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About this article

Cite this article

Shubik, M. A theory of money and financial institutions: Fiat money and noncooperative equilibrium in a closed economy. *Int J Game Theory* **1**, 243–268 (1971). https://doi.org/10.1007/BF01753448

Received
15 May 1972

Issue date
December 1971

DOI
https://doi.org/10.1007/BF01753448

Keywords

Economic Theory | Game Theory | Economic System | Financial Institution | Equilibrium System

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