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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](#)

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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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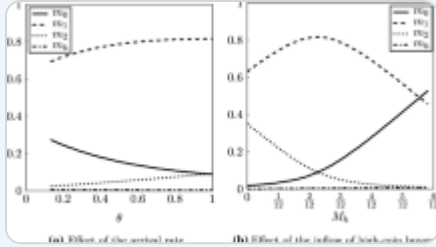
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This research was supported by the Office of Naval Research. The research was also partially supported by a grant from the Ford Foundation. The author wishes to thank LLOYD SHAPLEY for his help and insights given in many conversations.

Miscalculations, assertions and errors are my own.

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### 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>

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