

**Billot, Antoine**

**Economic theory of fuzzy equilibria. An axiomatic analysis.** (English) Zbl 0758.90008

*Lecture Notes in Economics and Mathematical Systems*. 373. Berlin etc.: Springer-Verlag. xiv, 164 p. (1992).

On an axiomatic basis the author analysis first how the assumption of specific fuzzy preferences bear on equilibria of classical and newly defined economic systems. He proceeds in three steps: In the first chapter of his book, he presents specific kinds of fuzzy individual preferences and in a second chapter, he investigates their repercussions on aggregation procedures in the sense of group decision making or welfare economics; in the third chapter he focusses his attention on fuzzy cooperative and non-cooperative games. In both, the fourth and the fifth chapter, he applies the results of the three preceding chapters to the analysis of equilibria in a specific market model.

Reviewer: [M.Matłoka \(Poznań\)](#)

**MSC:**

- [91B50](#) General equilibrium theory
- [03E72](#) Theory of fuzzy sets, etc.
- [91A10](#) Noncooperative games
- [91A12](#) Cooperative games
- [91B08](#) Individual preferences
- [90-02](#) Research exposition (monographs, survey articles) pertaining to operations research and mathematical programming

Cited in **1** Review  
Cited in **16** Documents

**Keywords:**

[fuzzy preferences](#); [aggregation procedures](#); [group decision making](#)