

Méthodes topologiques en analyse non linéaire:développements récents -
Conférence à la mémoire du Professeur Andrzej Granas
4 - 8 juillet 2022

Topological Methods in Nonlinear Analysis: Recent Advances - Conference
in memory of Professor Andrzej Granas
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(INDAM)

The topology of economical crises

The Arrow-Debreu model of a Pure Exchange Market is a mathematical approach to the theory of Walras Equilibria based on Global Analysis and Differential Topology.

Balasko and his followers related the critical equilibria of this model to economical crises, considered from the mathematical viewpoint as a discontinuity of the associated equilibrium prices. The purpose of this talk is to explain how Balasko's ideas can be improved using topological bifurcation theory.