

## **Mathematical Economics and Finances**

The main topics of research in mathematical economics are general equilibrium with incomplete markets and bankruptcy, asymmetric information problems without the single-crossing property, equilibria in security markets, collaterals, models with a supra national currency. Due to the great interest of both the public and private sectors, the area of Mathematical Economics is important for the development of the country. But, a main difficulty for the establishment of a sufficient large scientific-academic community in the area must be mentioned. This situation is basically due to the fact that young scientists are offered better salaries by the private and public sectors or by academic institutions abroad. Even so, the number of PhD's formed in the country is increasing, as well as the number of articles published in the best journals, notwithstanding a prominent role played by former IMPA's students. The role of IM-AGIMB has been essential for the clear success of the area in Brazil in recent years, to stimulate the planning of an important workshop, and to high level scientific cooperation.