Economics and Computation

Subject Code (deprecated): ECON
Course Number: 425
Section Number: 01
Description:
A mathematically rigorous investigation of the interplay of economic theory and computer science, with an emphasis on the relationship of incentive-compatibility and algorithmic efficiency. Our main focus is on algorithmic tools in mechanism design, algorithms and complexity theory for learning and computing Nash and market equilibria, and the price of anarchy. Case studies in Web search auctions, wireless spectrum auctions, matching markets, and network routing, and social networks.

Instructor(s): Yang Cai
Instructor Name: Yang Cai
Meeting Pattern (deprecated): 1 HTBA
Term Code: 202003
Category from Feed: YCQR

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