Special Issue

Dynamics in Complex Networks

Message from the Guest Editors

In this Special Issue, dynamics taking place in complex networks will be widely discussed. In particular, one emphasis is on how observations of such dynamics may be used to infer multilayer networks and higher-order network structure. Multilayer Networks and Higher-Order Networks: The network is a convenient mathematical model to represent the structure of a complex system. Multilayer network science has proved to be an effective modeling and analysis framework applicable to a wide research area manifesting from biopolymer networks to social networks. Evolution of Collective Behaviors and Percolation on Complex Networks: Individuals can interact in evolutionary games and percolation on social networks which may provide insights into the evolution of network structures and dynamics on networks. Experimental Advances on Social Dilemma Games: Various situations in human social life can be considered social dilemmas. Researchers tend to focus on two aspects: the root of cooperation mechanisms in laboratory scenarios and the design of cooperation mechanisms in field experiments. Other recent experimental advances on social dilemma games are also welcome in this Special Issue.

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Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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