



Applied Modern Mathematics in Complex Networks

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Message from the Guest Editors

Modern mathematics is at the heart of an increasing number of innovations in the field of digital communication, satellite navigation, e-commerce, medical technology, and consumer electronics. Modeling and simulation of computer and communication networks as well as social network analysis are also based on profound mathematical knowledge and methods. Current and previous developments in these highly innovative fields have led to a new understanding of mathematics.

In this SI call, the aim is to present the role of modern statistical methods in complex networks, as well as robustness and reliability in complex networks, and serves to support interactions among mathematicians, statisticians, engineers, and scientists working in the interface of experiment, computation, analysis, and statistics.

