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Big Data and Complex Networks

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Message from the Guest Editor

Big data refers to heterogeneous data sets characterized by huge volume, diverse types, complex interaction relations and dynamic changes. Numerous studies treat problems with big data as problems of typical complex systems. As an effective model of complex systems, complex networks that abstract individuals as nodes and the relationships between individuals as links effectively depict the system operation mechanisms. Recently, wide attention has been devoted to solving big data problems based on complex networks, but there are still gaps to be filled, such as how to realize mapping between big data and complex network space and how to mathematically describe the relationship between layers of complex network. Hence, this Special Issue focuses on the application of complex network theory in solving problems of big data analysis, so as to provide effective methods for mining the characteristics, laws and mechanisms of big data.











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Message from the Editor-in-Chief

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