

Special Issue

Complex Network and Data Mining

Message from the Guest Editors

Complex networks and data mining are two important and interrelated fields in computer science and data analysis. The combination of these two fields has led to a greater understanding of complex systems and has facilitated the development of effective solutions to real-world problems. Mathematical problems associated with complex networks include the study of network centralities, where nodes with high centrality have a greater influence on the overall behavior of the network. Other mathematical concepts associated with complex networks include clustering, community detection.

Some possible topics for articles include the development of novel algorithms for network analysis, the application of complex network analysis to different domains, the study of information propagation and influence in social networks, the application of complex network analysis to biological systems, and the development of more efficient and robust systems for Industry 5.0. Other possible topics could include the study of network resilience and vulnerability, the development of algorithms for community detection and clustering, and the study of network evolution over time.

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About the Journal

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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