

Special Issue

Knowledge Graphs: Construction and Application

Message from the Guest Editor

Knowledge graphs use fragmented knowledge from heterogeneous, autonomous information sources, as well as domain expertise, to represent complex and evolving relationships. Mathematics offers an opportunity to tackle challenges posed to the use of knowledge graphs. This Special Issue aims to present high-quality research exploring knowledge graphs (their construction, reasoning, application, etc.) to support existing and emerging applications and stimulate related research efforts. This Special Issue covers all aspects of knowledge graphs, including mathematical theory, algorithms, software, platforms and applications for knowledge graph construction, maintenance and inference. We invite submissions from researchers and application developers in areas related to knowledge graphs, such as knowledge engineering, broad knowledge, big data analytics, statistics, machine learning, pattern recognition, data mining, knowledge visualization, high-performance computing and the World Wide Web.

Guest Editor

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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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