Special Issue

Domination, Independence and Distances in Graphs

Message from the Guest Editors

Graph theory is a fascinating section of discrete mathematics. It can be used as a model of many real-life objects and relations between them, serving as a tool to solve many important problems in today's world. One of the most known examples that use graph theory are telecommunications networks, biological networks, social networks, and many others. Graph algorithms, for example, can help us to find the shortest route between two places, or to place important elements in networks. Some of the broadest studied parameters in graph theory, such as the domination number, the independence number, and their variants, are always in the spotlight of research, and a significant part of them is related to distance aspects. They have been extensively studied up to now, and there is a huge body of literature on them. The interest in those graph parameters can be justified by their application in both diverse theoretical fields and many practical aspects.

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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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