



Advances in Combinatorics, Discrete Mathematics and Graph Theory

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Message from the Guest Editors

Dear Colleagues,

Combinatorics and graph theory are areas of mathematics that deal with the study of discrete objects and their combinatorial structures. In recent decades, there have been significant advances in these areas, driven by a combination of new theoretical approaches, advanced computational tools, and applications in various fields. Regarding graph theory, significant progress has been made in areas such as random graph theory, complex network theory, graph coloring theory, graph flow theory, and structural graph theory. For example, in random graph theory, profound results have been obtained on the asymptotic properties of random graphs, leading to a better understanding of random phenomena in complex real-world networks, such as social networks, communication networks, and biological networks. In addition to these theoretical advances, combinatorics and graph theory have also experienced a surge in their application in various interdisciplinary areas, such as computer science, computational biology, information theory, game theory, and data science.





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Message from the Editor-in-Chief

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