



Mathematical Perspectives on Quantum Computing and Communication

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Message from the Guest Editors

Dear Colleagues,

We are pleased to invite you to submit your research for consideration in a Special Issue of *Mathematics*, focused on the latest advances in quantum information theory. The goal of this Special Issue is to showcase the latest research in this rapidly evolving field and to provide a platform for researchers to share their latest findings.

Quantum information theory is a rapidly developing field, with new breakthroughs and discoveries being made on a regular basis. This Special Issue will provide a unique opportunity for researchers to share their work and to discuss the latest developments in the field. Topics of interest include but are not limited to entanglement, quantum algorithms, quantum error correction, quantum cryptography, quantum communication, quantum computing, quantum simulation, mathematical methods, numerical modeling, and quantum machine learning and the mathematical formalism of open quantum systems...





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Message from the Editor-in-Chief

Mathematics permeates all kinds of academic worlds and is a fountain flowing with innovative development. The journal *AppliedMath*, publishing high-quality refereed papers discussing various aspects of applied mathematics, is dedicated to promoting the integration of mathematics with applied disciplines to cultivate a profitable frontier of mathematics. The journal highlights articles devoted to the mathematical treatment of questions and phenomena arising in physics, chemistry, biology, medicine, pharmacy, engineering, information science, social sciences, and humanities. One of the missions of this journal is to serve scientists by quickly announcing the seeds of significant mathematical breakthroughs in science and technology.

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