



Recent Advances in Quantum Computing

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Message from the Guest Editor

The purpose of this Special Issue is to publish novel research in the domain of quantum computing. In recent years, quantum computing is gaining popularity due to its inherent ability to explore computational power and to establish the facts “physically about computation”. The physical realization of the quantum-computing system is in progress, and many research groups have successfully implemented the quantum gates. However, the researchers are still focusing on the suitable quantum computing models that are capable of constructing the quantum circuit. Moreover, there is a close relation between quantum and reversible computing. Additionally, with the increasing importance of the use of reversible and quantum circuits, testing of these circuits is necessary to ensure their performance reliability. The main objective of this Special Issue on “Quantum Computing” is to focus on all the relevant topics, such as quantum algorithms and their applications, quantum simulation, quantum-computing systems, etc.





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Message from the Editor-in-Chief

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