Decision Making, Classical and Quantum Optimization Methods

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Message from the Guest Editors

The development of technology opens up new possibilities of using it to optimize decision making. Methods based on artificial intelligence and machine learning will in the future set the standards for optimization of decisions in key areas of the economy and human life.

Advances in quantum information processing also open up new opportunities. Quantum methods allow achieving new ways of strategy randomization and offer a classically unavailable level of information security.

The aim of the project is to explore various theoretical methods of decision optimization based both on the classical and quantum approach.

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Special Issue

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Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

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