



The Close Connection between Economics and Quantum Theory: A Topological Exploration

Guest Editors:

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Message from the Guest Editors

This Special Issue will collect research that is being performed around applying elements of the formalism of quantum mechanics to the social sciences. There will be a particular focus on the key tenet(s) that rationalize(s) why the quantum formalism can be used in economics (in social choice and decision-making). As a central objective, this Special Issue will rigorously explore the foundational connections between economics and quantum theory.

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Message from the Editor-in-Chief

We get more and more evidence that quantum theory is the correct description of nature. It was born a century ago by explaining a few paradoxical results that could not be understood in the framework of classical physics. Today, quantum physics leads technological revolution in metrology, communication, computation, and the design of novel materials. Still it needs more solid foundations, and we need to develop a deeper understanding of how it can be used for new applications.

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