Special Issue

The Philosophy of Quantum Physics

Message from the Guest Editors

Arguably more than any other physical theory, even relativity (which does offer some competition in this regard), quantum theory, throughout its history, especially after the discovery of quantum mechanics, has been defined by the role of philosophical thinking in it, on the part of physicists and philosophers alike. The aim of this Special Issue is to contribute to this debate by bringing together both physicists and philosophers, working in different areas of quantum foundations, most especially quantum mechanics and quantum field theory, with the aim exploring the deeper foundational questions arising in these areas, and by doing so, rethinking the origins and the nature of quantum foundations themselves.

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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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Editor-in-Chief

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