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Rotation Effects in Relativity

Guest Editor:

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Deadline for manuscript
submissions:

closed (15 December 2019)

Message from the Guest Editor

Dear Colleagues,

Rotation and circular motion have always played a peculiar role in the development of scientific thought. While in the context of Aristotelian physics, circular motion was thought of as perfect and incorruptible, and the whole universe was represented as an ensemble of concentric rotating spheres, the peculiarity of rotation was recognized on experimental grounds, and not only as a philosophical speculation, at the beginning of the modern scientific era. In fact, in the framework of Newtonian physics, Foucault's pendulum provided spectacular evidence of the absolute character of rotation. Subsequently, in the context of the theory of relativity, the absolute character of rotation was emphasized by the Sagnac effect, which also stimulated a long and interesting debate on the foundations of relativity. [...]

For more information, please visit [link](#).

Dr. Matteo Luca Ruggiero

Guest Editor



mdpi.com/si/21122

Special Issue



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Message from the Editor-in-Chief

The multidisciplinary *Universe* journal is aiming to follow and, hopefully, to lead to the largest extent as possible the ever-self renovating threads which weave mathematical theories with our understanding of the magnificent natural world. On behalf of all the distinguished members of the editorial board, I extend my welcome to this new journal and look forward to hearing from the interested contributors and learning about their valuable research.

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CiteScore 2019 (Scopus): 2.4, which equals rank 103/224 (Q2) in 'General Physics and Astronomy'.

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