

Special Issue

The Cosmological Constant Puzzle

Message from the Guest Editor

This Special Issue concerns the cosmological constant puzzle. What drives the accelerating expansion of the Universe? Possible contributions to the cosmological constant or vacuum energy density perceived by gravitation are the zero-point energies of quantum field theory and vacuum condensates associated with spontaneous symmetry breaking. The vacuum energy density suggested by the classical Higgs potential in the Standard Model of particle physics is 1056 times too big and comes with the opposite sign compared to the cosmological constant extracted from astrophysics. [...] For more information, please visit [link](#).

Guest Editor

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Message from the Editor-in-Chief

The multidisciplinary journal *Universe* 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 Advisory and Editorial Boards, I extend my welcome to this journal and look forward to hearing from the interested contributors and learning about their valuable research.

Editor-in-Chief

Prof. Dr. Lorenzo Iorio
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