

## Special Issue

# Finsler Modification of Classical General Relativity

### Message from the Guest Editor

General relativity is a very successful theory that is in agreement with all observations to date (if one accepts the existence of dark matter). Nonetheless, there are good reasons for investigating possible modifications of this theory. One modification is in replacing the pseudo-Riemannian metric on which general relativity is based by a Finslerian metric. There are at least two motivations for considering such a modification: The first motivation comes from the fact that a slight modification of the Ehlers–Pirani–Schild axiomatic approach to spacetime theory leads in a very natural way to a Finsler structure. The second motivation is based on the idea that some effects from a still-to-be-found quantum theory of gravity could be described in terms of a classical ("effective") Finslerian spacetime theory. [...] For more information, please visit [link](#).

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### Guest Editor

Dr. Volker Perlick  
University of Bremen, Bremen, Germany

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### Deadline for manuscript submissions

closed (31 December 2020)



## Universe

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## About the Journal

### 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.

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### Editor-in-Chief

Prof. Dr. Lorenzo Iorio  
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