



Origin of the Universe

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Deadline for manuscript
submissions:
closed (30 August 2018)

Message from the Guest Editors

Dear Colleagues,

The birth of the universe out of the M-theory landscape remains an important question in modern cosmology. Questions such as “Why are the only three large spatial dimensions?”, “What drives inflation?”, and “Is there observable evidence of the birth of the universe out of the M-theory landscape?” are subjects of active debate. We invite colleagues to submit papers on the following topics:

1. Trans-Planckian inflation
2. Models of inflation
3. Constraints on Inflation effective potentials
4. Brane-world inflation
5. Constraints on Inflation initial conditions
6. Primordial gravitational waves
7. Cosmic dark flow and large-scale structure
8. Origin of the cold spot in the CMB
9. Anomalies in the CMB from inflation and the M-theory landscape
10. Supersymmetric Inflation
11. Primordial nucleosynthesis constraints on the birth of the universe
12. Constraints on time-varying fundamental constants
13. Constraints on anisotropic cosmological models
14. Why are there three large dimensions

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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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