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## Mimetic Inflation and Self-reproduction

*Friday 1 September 2023 15:50 (25 minutes)*

We present a model in which the problem of self-reproduction can be easily avoided in the inflationary universe, even when inflation starts at Planck scales. This is achieved by a simple coupling of the inflaton potential with a mimetic field. In this case, the problem of fine-tuning of the initial conditions does not arise, while eternal inflation and the multiverse with all their widely discussed problems are avoided. Authors: M. Khaldieh, A. Chamseddine, V. Mukhanov

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