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## **Cosmic Superstrings in the Early Universe**

Wednesday 9 July 2025 09:30 (30 minutes)

Very few constraints exist on the universe between inflation and Big Bang Nucleosynthesis. String cosmology motivates non-standard behaviour in this epoch, in particular extended kination and tracker epochs associated to rolling moduli. Particularly interesting is the behaviour of cosmic (super)strings in such epoch: small loops of cosmic string can grow, and there exists an attractor solution in which three-quarter of the energy density of the universe lies in fundamental strings. Work based on 2401.04064, 2406.12637 and 2505.14187.

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