

Interactions between several types of cosmic strings

Friday, 4 August 2023 11:15 (35 minutes)

Cosmic strings are line-like topological defects which can be formed in the early universe. In this talk, I first review basic concepts and general features of cosmic strings. Then I will explain how to evaluate interaction energies of two cosmic strings, and discuss our recent results. I also discuss phenomenological implications of our results such as the formation of the bound state of cosmic strings.

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