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Present status of inflationary cosmology

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I will briefly describe the basic principles of inflationary theory, and then I will discuss a set of simple inflationary models, such as Starobinsky model, Higgs inflation and alpha-attractors, which can describe all presently existing inflation-related observational data using no more than one or two parameters. Generalized versions of these models may also describe dark energy and production of primordial black holes.

Presenter: LINDE, Andrei