

# On the present status of inflationary cosmology

*Monday, September 22, 2025 4:30 PM (30 minutes)*

I will describe basic principles of inflationary cosmology, the problem of initial conditions in the early universe, and a profound role of quantum effects in formation of the global structure of the universe. This will include a discussion of the impossibility to observe the Big Bang, and of the important difference between the universe and the Schrodinger cat. Then I will describe some of the better motivated inflationary models, their predictions, and their observational status.

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