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## Nonminimally Assisted Inflation: A General Analysis

The effects of a scalar field, known as the "assistant field," which nonminimally couples to gravity, on single-field inflationary models are studied. The analysis provides analytical expressions for inflationary observables such as the spectral index  $(n_s)$ , the tensor-to-scalar ratio (r), and the local-type nonlinearity parameter  $(f_{(local)}^{NL})$ . The presence of the assistant field leads to a lowering of  $n_s$  and r in most of the parameter space, compared to the original predictions. In some cases, ns may increase due to the assistant field. This revives compatibility between ruled-out single-field models and the latest observations by Planck-BICEP/Keck. The results are demonstrated using three example models: loop inflation, power-law inflation, and hybrid inflation.

## Secondary category for the parallel session (optional)

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