

Inflation from supersymmetry breaking

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I will discuss the possibility that inflation is driven by supersymmetry breaking, with the superpartner of the goldstino playing the role of the inflaton. Imposing an R-symmetry to satisfy the slow-roll conditions, avoiding the so-called η -problem, leads to an interesting class of small field inflation models, characterised by an inflationary plateau around the maximum of scalar potential near the origin, where R-symmetry is restored with the inflaton rolling down to a minimum, describing the present phase of the Universe.