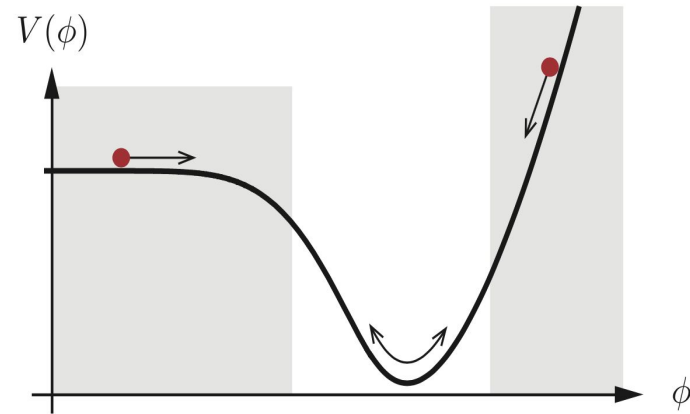


Will cosmic experiments measure inflation?

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First invoked as a solution to "classical" problems in cosmology (horizon, flatness, monopole, ...), the inflationary paradigm predicts:

1. Fluctuations as seeds of structure formation ✓
2. Adiabatic ✓
3. (close to) Gaussian ✓
4. Phase coherence ✓
5. Nearly scale invariant ✓
6. Very small spatial curvature ✓



Can we understand the properties of inflation with CMB and Large Scale Structure?
Primordial gravitational waves, primordial power spectrum (running, features, ...),
primordial non-Gaussianity, ...