

## Topological Inflation with Large Tensor-to-Scalar Ratio

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BICEP2's detection on the primordial B-mode of CMB polarization suggests that inflation occurred around GUT scale, with the tensor-to-scalar ratio  $r \sim 0.2$ . Inspired by this discovery, we study the topological inflation which was driven by a double/single/no well potential. We show that with proper choice of parameters, all these three types of topological inflationary models could be consistent with the constraints from current observations.

References:

[1] Y. C. Chung and C. Lin, arxiv: 1404.1680[astro-ph.CO]