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Adventures in Inflation And Cosmic Microwave Background - The future of the cosmos.

Tuesday 4 August 2015 16:00 (1 hour)

The radiation present today as a 2.7 K thermal background originated when the universe was denser by a factor of 109 and younger by a factor of around 5×10^4 . The radiation provides the most distant direct image of the universe we can hope to see, at least until gravitational radiation becomes a useful astronomical data source. The microwave background radiation is extremely uniform, varying in temperature by only a few parts in 105 over the sky (apart from an overall dipole variation arising from our peculiar motion through the microwave background's rest frame); its departure from a perfect blackbody spectrum has yet to be detected.

Collaboration

– not specified –

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