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Cosmological Stasis and Its Observational Signatures

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Cosmological stasis is a phenomenon in which multiple energy components with different equation-of-state parameters maintain constant abundances for an extended period despite the expansion of the universe. In this talk, I review the how stasis arises and discuss the possible implications of this phenomenon in observations. These include characteristic imprints in the stochastic gravitational-wave background and the enhancement in the growth of matter density perturbations on small scales.

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