

Abstract Submitted
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Fluctuations in Cyclic Models RILEY MAYES, Loyola University New Orleans — Our research comprised of analyzing the turnaround phase (when expansion gives way to contraction) within the context of cyclic models of the Universe. To complete this task, we sought to observe the evolution of the fluctuations during the turnaround for a range of k (inverse wavelength) values. This examination allows us to observe whether the fluctuations increase or diminish for smaller or larger values of k . This information is important to compare predictions of cyclic models to the observed anisotropies in the cosmic microwave background radiation.

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