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Viscous cosmological fluids and large-scale structures

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In this work, we present cosmological implications of viscous fluids vis-a-vis background expansion history and large-scale structure formation. The constrained cosmological and fluid parameters which are consistent with available data will first be provided, followed by the study of the growth of matter density fluctuations through the covariant cosmological perturbations formalism. Our preliminary results show the significance of viscosity in the formation of the large-scale structures we observe today.

Apply to be considered for a student ; award (Yes / No)?

Yes

Level for award;(Hons, MSc, PhD, N/A)?

MSc

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