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Unifying Dark Matter and Dark Energy in Chaplygin Gas Cosmology

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One of the most active areas of research in cosmology today involves trying to understand the nature of dark matter and dark energy. In this work we will look at the cosmological background expansion of a universe model filled with a Radiation-Baryon-Chaplygin Gas fluid system. We will show that such a model can solve the dark matter and dark energy problems, at least at the level of the background expansion.

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

Yes

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

MSc

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