

# Reconstructing the Dark Energy

*Friday 8 September 2023 11:30 (30 minutes)*

In this talk, I will review my research on using the “reconstruction” method to study Dark Energy. I’ll discuss different types of reconstructions, how they work, and the results I’ve obtained. My focus is on model-independent reconstructions of the equation of state and density parameter of Dark Energy. The findings suggest oscillatory behavior and a possible transition from positive to negative energy density, deviating from the standard  $\Lambda$ CDM model.

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