

Eoin O Colgain - In search of signatures of Lambda-CDM model breakdown

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Lambda-CDM (LCDM) cosmology suffers from a longstanding cosmological constant problem. Recently, tensions have appeared in cosmological data sets. Tensions (if not due to systematics) point to LCDM model breakdown. A tell-tale signature of model breakdown is evolution of LCDM parameters with redshift. Starting from purely mathematical arguments, moving through observations, I motivate the case for redshift evolution of LCDM parameters.

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