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Tensions Between CMB and Weak Lensing Data Sets when Testing General Relativity

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There has been quite a bit of recent discussion about tension between CMB and weak lensing data sets, especially in the context of testing general relativity using modified growth parameters. We use a combination of cosmological data sets, including the CMB temperature anisotropy data from Planck, weak lensing tomography from CFHTLenS, and the WiggleZ galaxy power spectrum to place constraints on modified growth parameters. A likelihood analysis is performed using the publicly available package ISiTGR. We explore what tensions, if any, are present between the CMB and weak-lensing data when using three different parameterizations for the modified growth parameters.

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