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Testing $F(Q)$ gravity with redshift space distortions

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A cosmological model with Symmetric Teleparallel Gravity where gravity is non-metrical is constrained with redshift space distortions data. The cosmological background for the model mimics a Λ CDM evolution but differences arise in the perturbations. The linear matter fluctuations are numerically evolved and the study of the growth rate of structures is analysed in this cosmological setting. The best fit parameters reveal that the σ_8 tension between Planck and Large Scale Structure data can be alleviated within this framework.

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