

# The Triune Universe's Falsify-Me Abstract Collection No. 20

Justin B Fine

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## 1. 20. Observational Program for Dynamic Dark Energy in Triune Gravity

We outline a concrete observational program: reconstruct  $w_{\text{eff}}(z)$  and  $\Lambda(\Theta, A)$  using CMB, BAO, supernovae, weak lensing, and standard-siren data, while fitting triune weights directly. The prediction is that a specific pattern of small deviations from  $w = -1$  and correlated anomalies in growth rate will emerge if the chasing leg is truly dynamic. This provides a route for “falsify me” tests: the framework stands or falls on whether these correlated signatures appear. Falsification: combined data sets constrain any evolution in the chasing leg below the level required to explain dark energy as anything but a strict constant.