

The Triune Universe's Falsify-Me Abstract Collection No. 3

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1. 3. Temporal Triune Weights as Testable Functions

We promote the triune split into a set of time-dependent weights $w_i(t)$ with $\sum_i w_i = 1$, and write

$\rho_i(t) = w_i(t) \rho_{\text{eff}}(t)$, $p_i(t) = w_i(t) p_{\text{eff}}(t)$. A minimal yet flexible

parameterization takes $w_i(t) = \frac{e^{U_i(t)}}{\sum_{j=1}^3 e^{U_j(t)}}$, with U_i linear in coarse

“cycle phase” variables (e.g. cosmic time, curvature imbalance, expansion rate). The framework asserts that a small number of such parameters can fit current cosmological data while making sharp predictions for next-generation surveys. Falsification: demonstrate that matching existing constraints forces U_i into effectively trivial constants.