

The Triune Universe's Falsify-Me Abstract Collection No. 1

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February 14, 2026

Triune Falsify-Me Abstract 1

1. 1. Triune Big Bang: Threefold Stress–Energy Decomposition

This work introduces a Big Bang framework in which the effective stress–energy driving expansion is decomposed into three contributions: a binding component that decelerates, a structuring component that is approximately neutral in the acceleration equation, and a chasing component that accelerates. Using the FLRW metric and standard Einstein equations, we rewrite the effective energy density and pressure as

$\rho_{\text{eff}} = \rho_B + \rho_S + \rho_C$, $p_{\text{eff}} = p_B + p_S + p_C$ and classify each term by the sign of $\Xi_i = \rho_i + 3p_i/c^2$. The claim is that many cosmological “mystery fluids” can be reinterpreted as time-varying mixtures of these three roles. Falsification: show that no choice of time-dependent triune mix can fit the same Hubble, CMB, and structure-growth data set matched by Λ CDM.