

The Triune Universe's Falsify-Me Abstract Collection No. 8

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1. **8. Structured Expansion Windows and Effective Causal Contact**

Rather than a single dramatic burst, we consider expansion as a sequence of structured windows where $w_C(t)$ temporarily rises, bounded by energy conditions and triune conservation. We show that certain window patterns can stretch comoving distances enough for causal contact without new fields, while leaving late-time cosmology close to Λ CDM. These windows are parameterized by simple functions of curvature imbalance and cycle phase, so they can be mapped directly into observable Hubble histories $H(z)$. Falsification: use future CMB and BAO data to rule out the entire family of such structured windows at high confidence.