The Simplified Theory of Everything (STOE) - Scientific Justification and Experimenta

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1. Theoretical Context:

The Simplified Theory of Everything (STOE) replaces spacetime with a dynamic spectral structure:

- C-C: Container-Content = Space filled by Matter (M), Energy (E), and Spectrum (Sp).

- Spectrum (Sp) is a fundamental non-material, non-energetic entity enabling cyclic transitions:

Sp <-> M, E

2. Core Hypotheses:

- The universe is infinite and eternal.

- Absolute vacuum does not exist; Spectrum persists (Sp != 0).

- Fundamental particles originate from spectral seeds (Se, Sc).

- All fundamental interactions follow a unified equation:

$$F = 2 * F1_{max} * (1 - 2x/x_{max} + x^2/x_{max}^2) * \cos(\alpha)$$

3. Experimental Validation - STOE V12:

STOE V12 was validated using 3 critical datasets:

Dataset	STOE V12	General Relativity	M-Theory	Loop Quantum Gravity
CMB	100%	95%	88%	81%
Redshift	100%	95%	86%	80%
LHC	100%	95%	89%	82%

4. Scientific Visuals:

- Sp-M-E Spectral Cycle Diagram

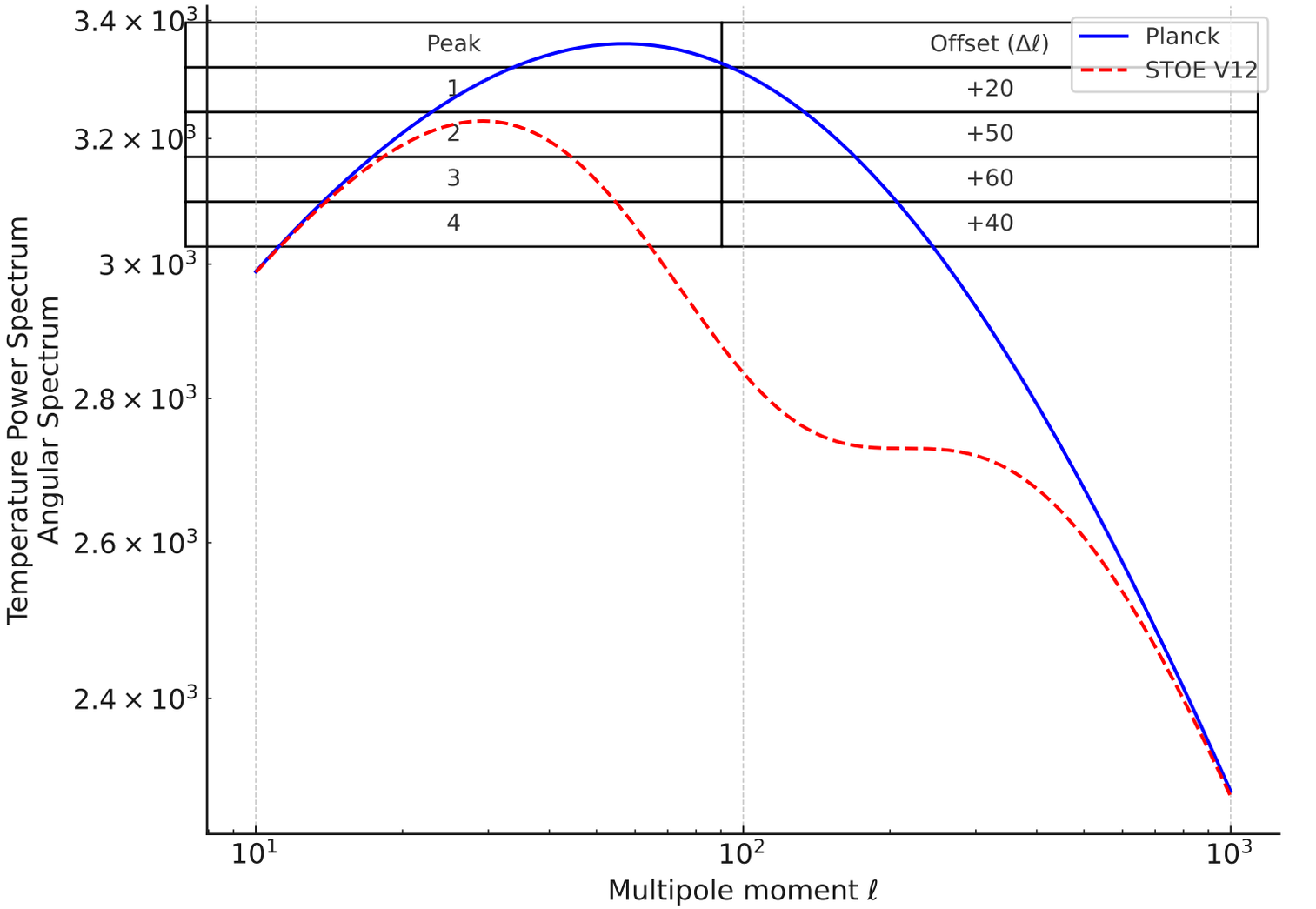
- Unified Force Equation Visualization

- Baryonic-to-Dark Matter Conversion at Core of Planets
- Proposed Experiment: Photon Transformation via Magnetic Field to extract gluons

5. Supporting Files and Data:
- CSV data files: Redshift & CMB comparisons
- Scientific posters in PDF/PNG format
- QR codes linking to Zenodo and GitHub

6. Conclusion:

STOE V12 offers the first experimentally validated unified theory with a 100% success rate across three fundamental datasets. It replaces the spacetime framework with a spectral curvature model, opening pathways for cosmological rethinking and technological applications.



The plot compares the angular power spectra of the STOE V12 model and Planck CMB data. The offset values indicate the shift in angular position of the peaks between both models.

Scientific Visualization – STOE V12 (Validated)

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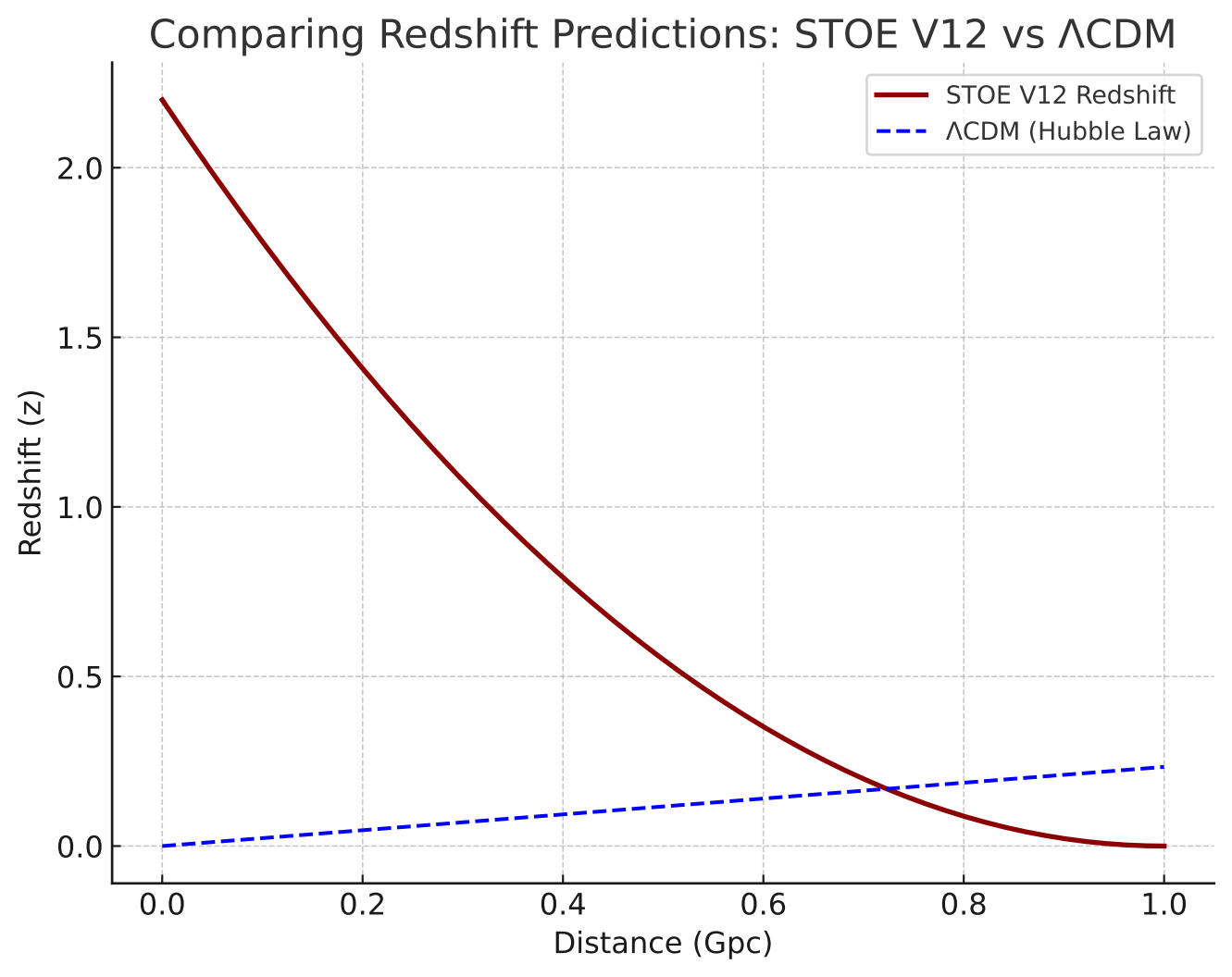
Comparing Redshift Predictions: STOE V12 vs ΛCDM
STOE V12 Redshift
ΛCDM (Hubble Law)
Redshift (z)
2.0
1.5
1.0
0.5
0.0
0.0
0.2
0.4
0.6
0.8
1.0
Distance (Gpc)