

PRESS RELEASE

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Google Doc: [Wave Theory First Publication](#)

PDF: [Wave Theory First Publication.pdf](#)

New Cosmological Framework Proposes a Geometric Unification of Physics

Wave Theory introduces a bold new vision of the universe—where time, gravity, quantum phenomena, and cosmic expansion all emerge from a single principle: the dynamics of wave geometry in a curved energy medium.

In a newly released publication titled Wave Theory, independent researcher Daniel Banasik presents a mathematically rigorous and fully geometric model of the cosmos. Drawing inspiration from the foundational insights of Maxwell, Planck, Einstein, and Penrose, and built entirely from first principles, the theory reinterprets action, entropy, energy, mass, and charge as emergent properties of

curvature within an expanding 3-sphere embedded in a dynamic energy field—the Wave Theory Medium (WTMedium).

"Wave Theory begins from first principles, deriving all observable phenomena—from quantum fluctuations to the cosmic web—purely from geometry and wave interaction."

– from Welcome to Wave Theory

Key Breakthroughs in Wave Theory Cosmology

- No Singularities, No Arbitrary Constants: All phenomena—including the Hubble expansion, Planck constant, and gravitational acceleration—are derived from geometry alone.
- New Equation for the Fine-Structure Constant: Derived from vortex interactions and impedance of spacetime curvature, explaining its origin without relying on e , h , or c .
- Eliminates Dark Energy & Big Bang Singularity: Cosmic expansion is shown to be a wave-based effect of curvature scaling, not a result of force-driven inflation.

Wave Theory's Foundations

Wave Theory redefines physics using only two fundamental units: length [L] and time [T]. All physical quantities—from temperature and charge to mass and pressure—are reformulated as geometric expressions of wave tension within a 3-sphere hypersurface. Among the core predictions:

Gravitational Acceleration: $G = c^2 / \pi R$

Fine Structure Constant: $\alpha = \kappa \theta / Z$

Planck Constant: $h = 2\pi^2 L p^3 R / T p$

These equations match observational data to extraordinary precision—without introducing free parameters or fine-tuning.


Press Ready Quotes


1. "All that we experience—all phenomena, all structure, the universe itself—is a resonant waveform, unified by the harmonic geometry of the energy medium."
– *Welcome to Wave Theory*

2. "Energy does not fill space—space itself is the geometric unfolding of energy from the WTMedium."
– *Energy Chapter*
3. "The universe is not constructed from discrete, disconnected parts. It is composed, like a vast harmonic resonance."
– *Timeless Cosmos*

Available Now

The full publication, including derivations, diagrams, and theoretical architecture, is available under a Creative Commons Attribution-NonCommercial 4.0 International License.

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