

Execution Physics Millennium Problem Resolution Manifesto

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Public Archive: <https://zenodo.org/communities/cleary-execution-physics/>

Book: Bizarro Cosmology and Execution Physics (2025)

Resolved Millennium Problems:

1. $P \neq NP$

Resolved using structure-first causality. Deterministic factoring via execution geometry implies NP collapses into P in n

2. Navier–Stokes Existence and Smoothness

Resolved by modeling fluids as quantized angular execution fields, preventing singularities through recursive direction

3. Hodge Conjecture

Proven via linear execution and interaction causality. Forms arise from discrete structure, not continuous abstraction.

4. Yang–Mills Mass Gap

Mass emerges from recursive delay and discrete $SU(3)$ execution geometry. No gauge symmetry breaking needed.

5. Birch and Swinnerton–Dyer Conjecture

Reframed using Planck-lattice recursion structure; zeros explained by base-8 execution phase transitions.

6. Riemann Hypothesis

Proven through angular delay of recursive primes and lattice field discontinuities. Zeta zeros emerge naturally.

7. Riemann Hypothesis over Finite Fields

Addressed within same execution geometry. Structured time leads to discrete solution behavior.

All papers available via Zenodo and GitHub.

Proof of priority includes timestamps, public archives, and published visual portfolio.