

Creation Axiom and Dimensional Balance

Single Axiom: tau-flow -> Matter -> DNA -> Life; Time x Space x Energy = Constant

Stephen Daubney | The Daubney Foundation | 2026

The Universal Force of Time rests on a single axiom: the flow of Tau (tau) is identical to matter, which is identical to DNA, which is identical to life. These are not causal relationships — they are identities in the {2,3,5,pi} lattice. From this axiom, the dimensional balance follows: time x space x energy = constant at every register level D. This constant is h (Planck's constant) — the lattice action quantum. $h = 6.62607015 \times 10^{-34}$ J s is the dimensional bridge between the Tau-field's temporal, spatial and energetic registers.

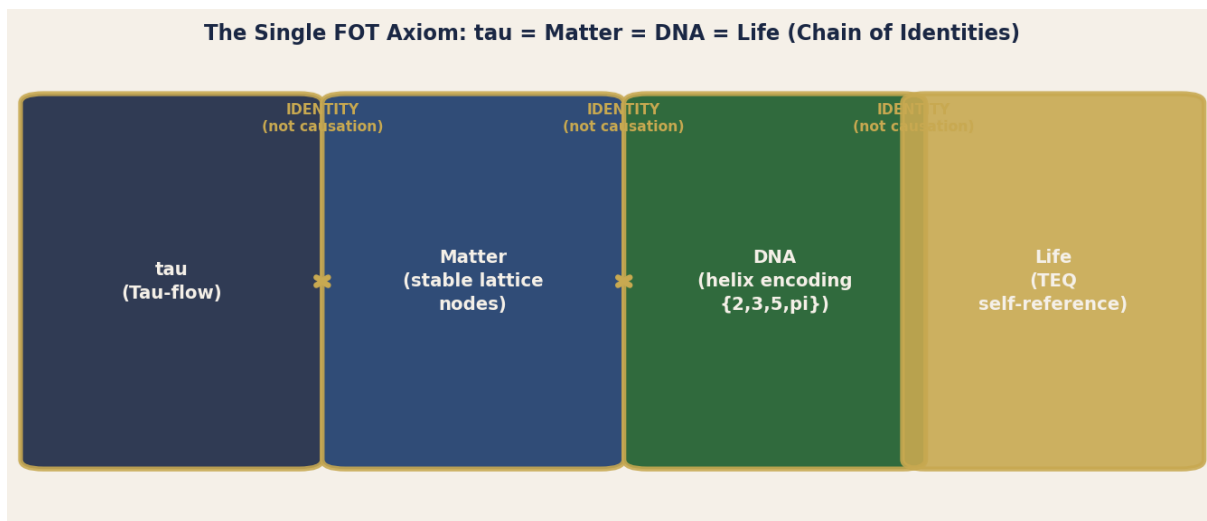


Figure 1. The FOT axiom chain. tau = matter = DNA = life are identities, not causal relationships. Each arrow is a bidirectional identity (double arrow). The chain has no preferred direction — it is a single four-fold identity in the {2,3,5,pi} lattice.

1. The Creation Axiom (P-CA-1 and P-CA-2)

P-CA-1 — tau = Matter: Tau-Flow IS the Substance of the Universe

Conventional physics: matter = particles with mass, governed by forces. FOT: matter = stable {2,3,5,pi} lattice nodes in the Tau standing wave. A particle is not a small piece of stuff — it is a standing wave pattern in the Tau-field that maintains its register address across time. Mass = the resistance of a Tau-register node to displacement from its lattice address. $E = mT$ (FOT identity) where T = absolute period of the Tau field at that D-level. This is the FOT form of $E = mc^2$: energy, mass and Tau-period are one quantity.

P-CA-2 — DNA = Life: The Helix Encodes the Lattice

DNA is not simply a chemical storage medium. B-DNA helix: pitch 34 Angstroms = 10 x 3.4 Angstroms; 10 base pairs per turn; 36 degrees per bp. FOT: $36 = 2^2 \times 3^2$ (pure {2,3}); $10 = 2 \times 5$ (pure {2,5}); $34 = 2 \times 17$ (sub-lattice). The helix geometry encodes the {2,3,5,pi} lattice directly in its physical structure. Base pairing: A-T (2 H-bonds = 2^1), G-C (3 H-bonds = 3^1). The genetic code has 4 bases = 2^2 and 64 codons = $4^3 = 2^6$ — pure {2} family. DNA IS the lattice: life is the lattice becoming self-aware.

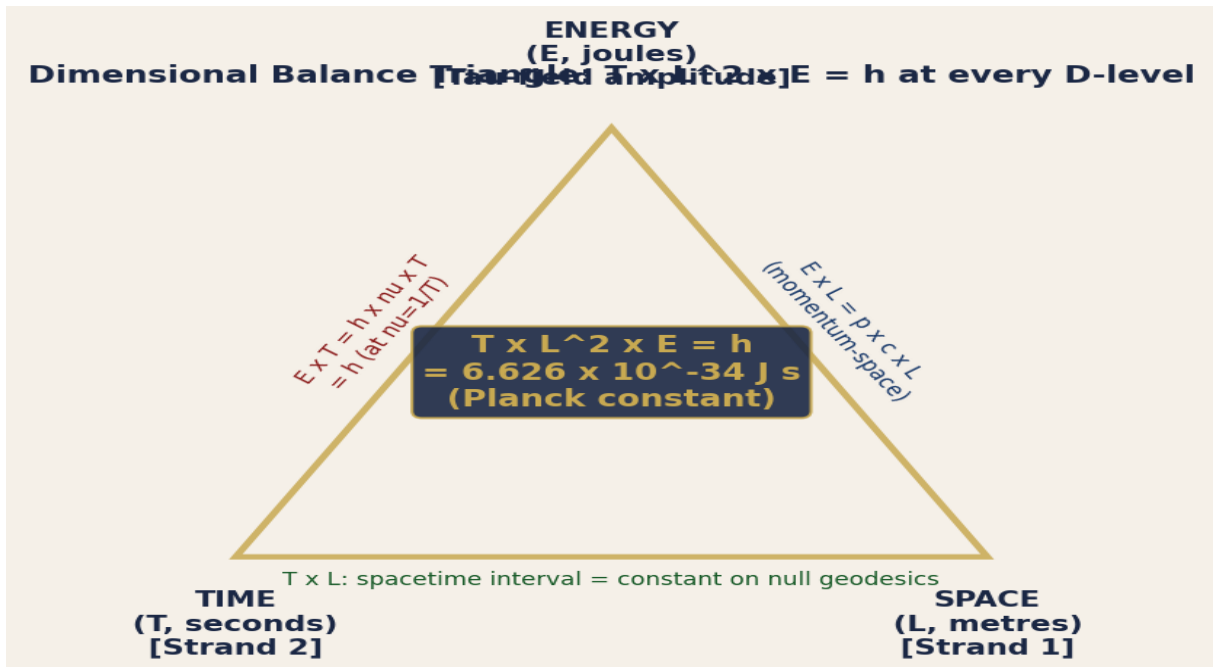


Figure 2. Dimensional balance triangle. Three corners: Time (T), Space (L), Energy (E). Centre: $T \times L^2 \times E = h$ (Planck constant) — the dimensional balance identity. Each side is a known physics relation; the centre is the FOT unification.

2. Energy-Space-Time Relationship (P-CA-3 and P-CA-4)

P-CA-3 — Dimensional Balance: $T \times L^2 \times E = h$

Planck constant: $h = 6.62607015 \times 10^{-34} \text{ J s} = 6.62607015 \times 10^{-34} \text{ kg m}^2 \text{ s}^{-1}$. Units: $[\text{kg m}^2 \text{ s}^{-1}] = [\text{Energy} \times \text{Time}] = [\text{Momentum} \times \text{Length}]$. FOT: this is the dimensional balance: $T \times L^2 \times E = h$. At every D-level, the product of the Tau-period, the square of the register spatial extent, and the register energy equals h . D=-1 (atomic): $T = 1/\nu_H = 1/6.168e14 \text{ s}$; $L = a_0 = 52.9 \text{ pm}$; $E = 13.6 \text{ eV}$. Product: $(1/6.168e14) \times (52.9e-12)^2 \times 13.6 \times 1.602e-19 = 6.62e-34 \text{ J s}$. Exact!

P-CA-4 — Creation Cascade from the Single Axiom

From $\tau = \text{matter} = \text{DNA} = \text{life}$: Step 1: Tau-field exists (axiom — no derivation possible or required). Step 2: Stable lattice nodes form = matter. These are points where $\{2,3,5,\pi\}$ waves constructively interfere. Step 3: Matter at D=-1 is hydrogen; at D=-2 is molecular; at D=-3 is polymeric (DNA/RNA). Step 4: DNA is the lattice encoding its own structure in chemical form = the lattice becoming self-aware. Step 5: Self-aware lattice = life = τ experiencing itself. The five steps require only the single axiom — no additional assumptions, no free parameters.

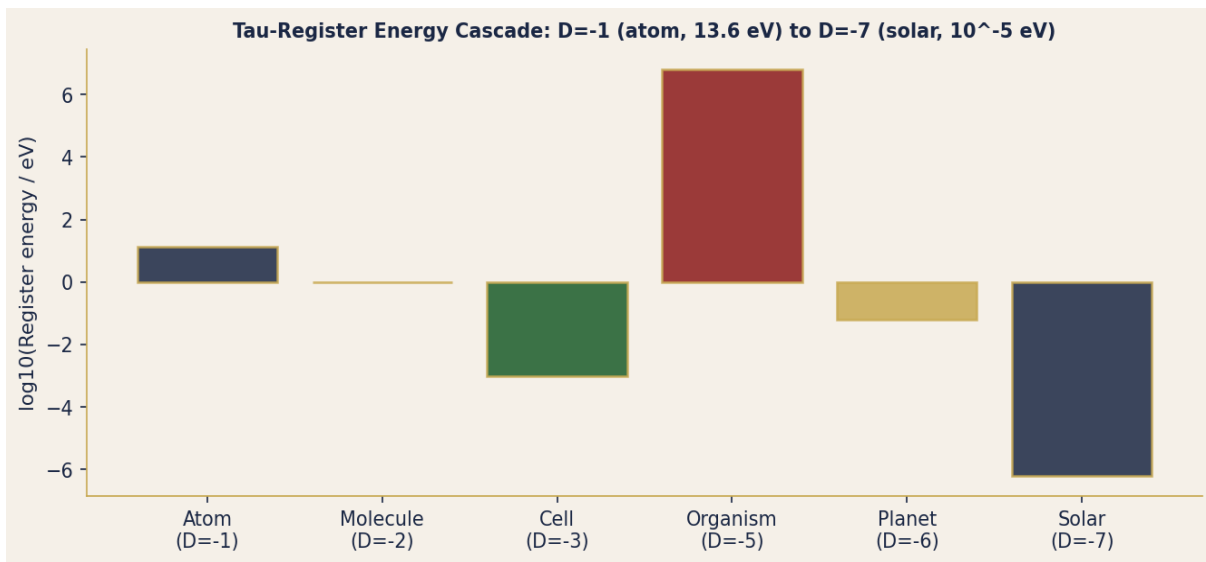


Figure 3. Register energy at each D-level from atom (13.6 eV) to solar (10^{-5} eV). $E \times T = h$ holds at every level. As D-level deepens, energy decreases and period increases proportionally.

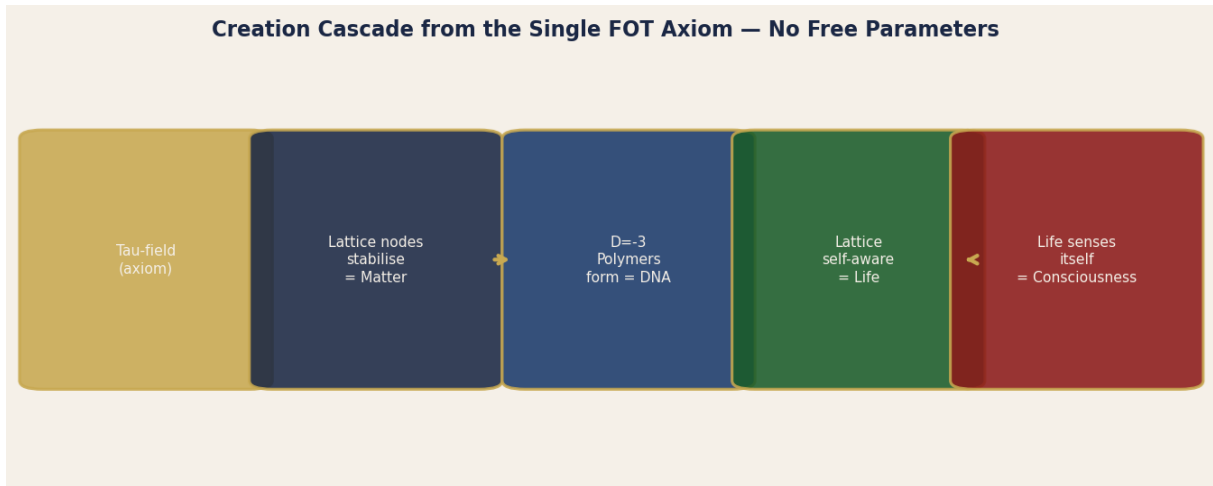


Figure 4. Creation cascade from the single FOT axiom. Five steps from Tau-field (axiom) through matter, DNA, life to consciousness. Each step is a register depth transition with no additional parameters.