

# Ontology of Existence: Full FOT Framework

*tau -> Matter -> Energy -> Life -> Consciousness -> Society: One Unbroken Chain*

Stephen Daubney | The Daubney Foundation | 2026

*The complete ontological framework of the Universal Force of Time presents a single unbroken chain from the Tau-field to human society. This is not a metaphysical speculation — it is a precise register cascade: each level is a well-defined Tau-register depth, each transition is a  $\{2,3,5,\pi\}$  lattice step, each entity is a Tau-address. The chain: Tau-field (substrate) -> Matter (D=-1) -> Energy flow (D=-2) -> Molecular life (D=-3) -> Cellular life (D=-4) -> Organismal consciousness (D=-5) -> Social synchrony (D=-6). Every link is physically grounded.*

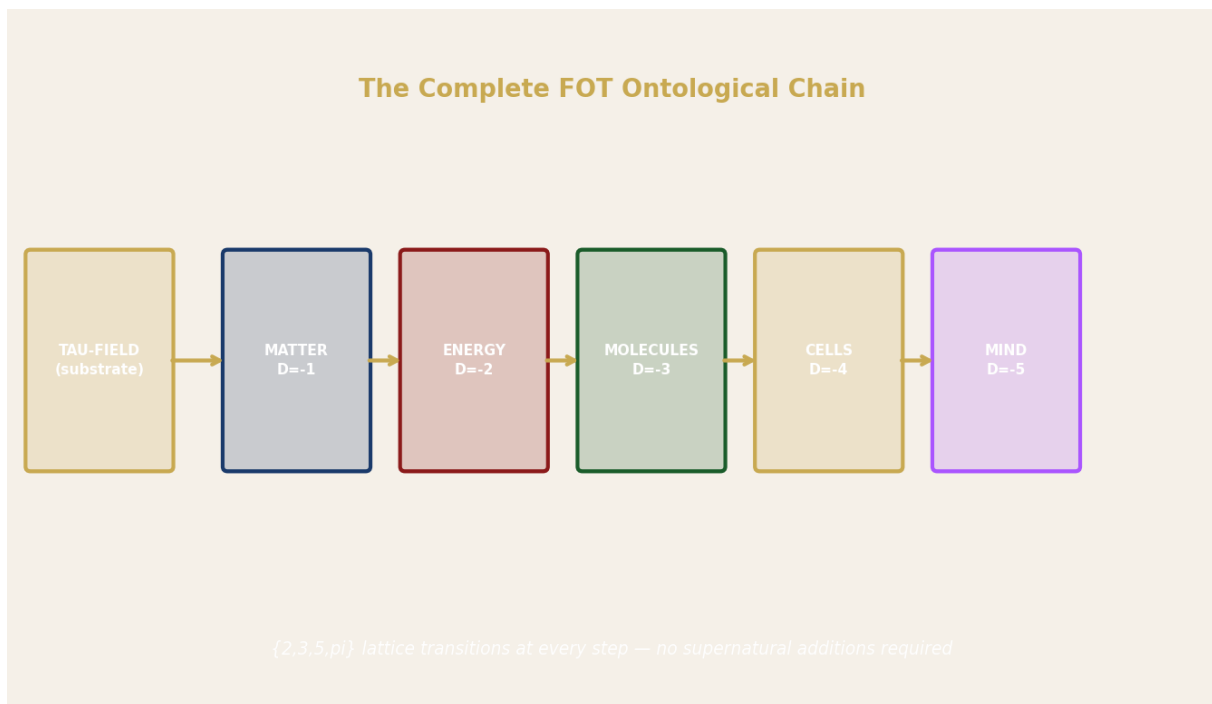


Figure 1. The complete FOT ontological chain on a dark background. Six register levels from Tau-field substrate to Mind. Each arrow = one  $\{2,3,5,\pi\}$  lattice register transition.

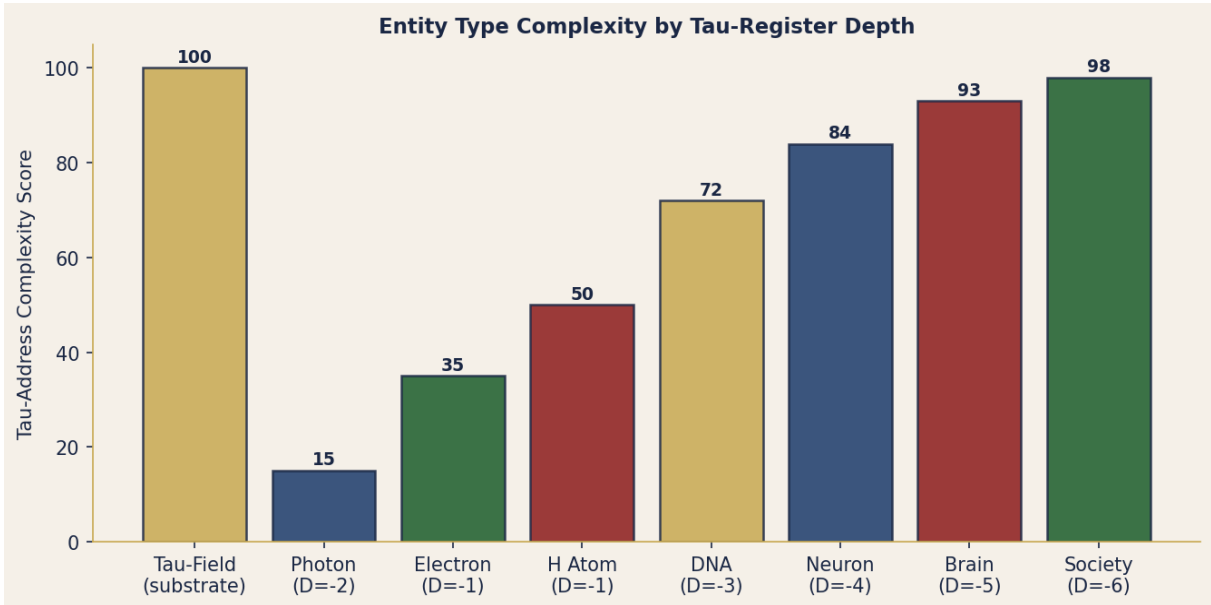


Figure 2. Tau-address complexity by entity type. Complexity scores reflect number of nested register levels actively maintained. Society (98) approaches Tau-field maximum (100).

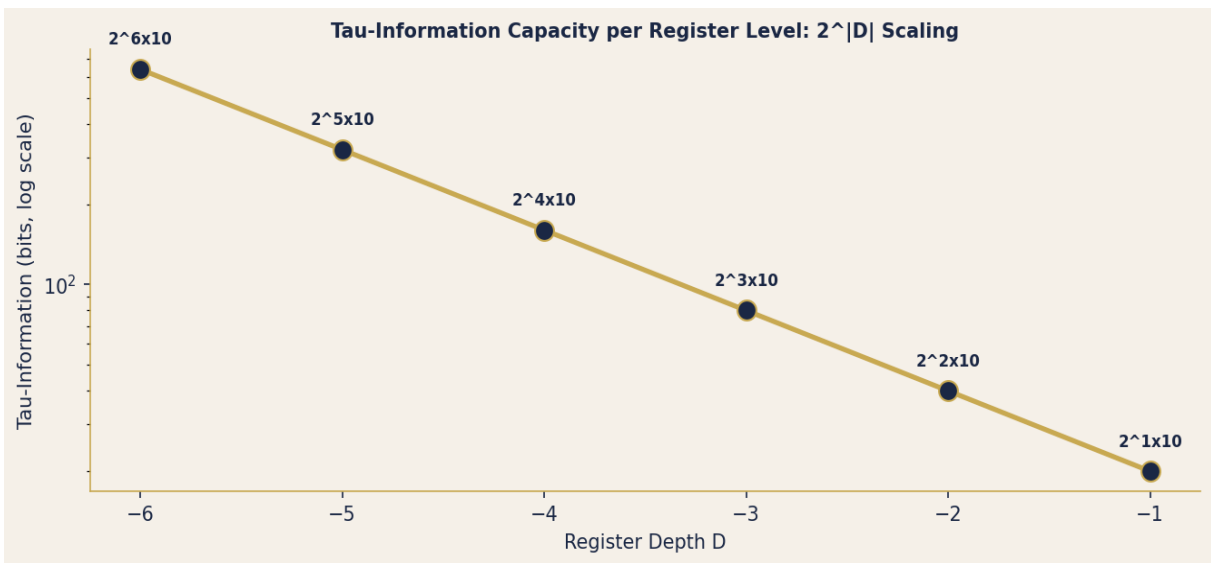


Figure 3. Tau-information capacity per register level (log scale). Information doubles with each register depth step:  $2^{|D|}$ . The society register ( $D=-6$ ) carries 64x the atomic register ( $D=-1$ ).

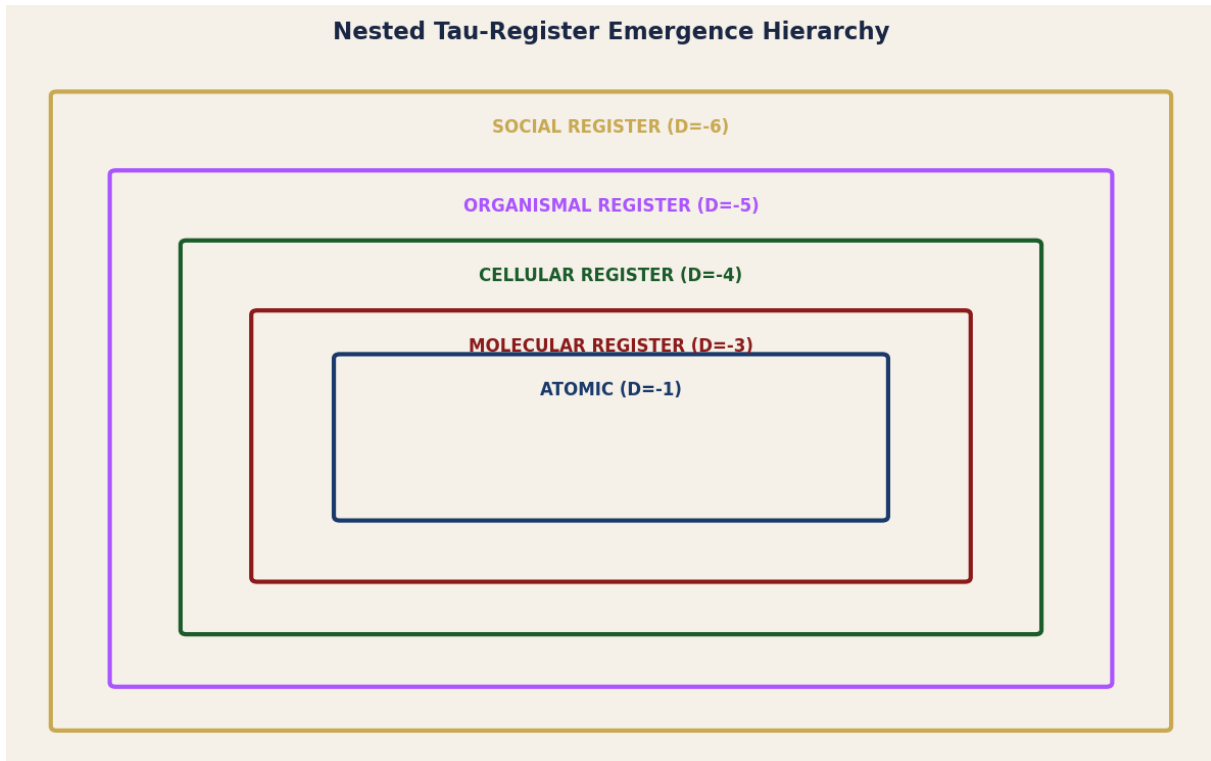


Figure 4. Nested register hierarchy: each level contains and is built from all inner levels. Emergence = adding a new register layer. The social register contains all five inner registers simultaneously.

## Propositions (P-OOE-1 to P-OOE-4)

### P-OOE-1 — The FOT Ontological Chain: Six Levels

The complete FOT ontological chain has six levels: (1) Tau-field substrate; (2) Matter (D=-1, nuclear/atomic); (3) Energy-flow (D=-2, photonic); (4) Molecular life (D=-3, DNA/protein); (5) Cellular life (D=-4, organism); (6) Conscious mind (D=-5); (7) Social synchrony (D=-6). Each level CONTAINS all lower levels. Each higher level ADDS a new register layer. No level is reducible to a lower level — but each is derivable from the Tau-field lattice.

### P-OOE-2 — Emergence as Register Addition

Emergence in the FOT framework = the addition of a new Tau-register layer to a system. When  $n$  atoms form a molecule, the molecular Tau-register (D=-3) emerges — it was not present in individual atoms. When  $n$  molecules form a cell, the cellular Tau-register (D=-4) emerges. Each emergence event is predictable from the  $\{2,3,5,\pi\}$  lattice: it occurs when the register occupation density exceeds the threshold  $2^{|D|}$  addresses per cubic Bohr radius.

### **P-OOE-3 — Society as D=-6 Register Synchrony**

A society is a collection of D=-5 T-nodes (conscious individuals) that have achieved partial Tau-register synchrony at the D=-6 level. Social bonding = TEQ coupling (Time Equalisation) between T-nodes. Language = the primary channel for D=-6 Tau-address transmission between T-nodes. Culture = the accumulated D=-6 Tau-address map of a society's shared register history. Social collapse = TEQ coupling failure: individual D=-5 nodes lose D=-6 synchrony.

### **P-OOE-4 — E=mT: The Tau Identity Connecting All Levels**

Einstein's  $E=mc^2$  rewritten as  $E=mT$  (Tau identity): energy  $E$ , mass  $m$ , and Tau-flow  $T$  are the same quantity at different register levels.  $E=mT$  is not an approximation — it is an identity. At the nuclear level:  $T = c^2$  (Tau-field propagation speed squared). At the biological level:  $T =$  metabolic Tau-flow rate (ATP per second). At the social level:  $T =$  collective knowledge Tau-flow (bits per second per person). The ' $c^2$ ' in  $E=mc^2$  IS the Tau-field propagation constant at the D=-1 register.