LUX-417 Field Math Archive

Compiled Mathematical Constructs from the LUX-417 Doctrine

1. AI–Energy Curve Alignment Map: E(AI) = Σ[g\_i(t) \* AI\_load\_i]

2. Alien Classification Sigmoid: A = 1 / (1 + e^(-k(RS - C)))

3. Annual ISA Income Function: I(t) = Σ[Yield\_i(t) \* Weight\_i]

4. Chaos Index Weighting:

χ = Σ(α\_i \* Volatility\_i / Liquidity\_i)

5. Compounding Growth Formula: FV = PV \* (1 + r)^t

6. EVA–WACC Stress Model: EVA = NOPAT - (WACC \* Capital)

7. Emotional Collapse Loss: L(θ) = E[(φ(t) - φ (t|θ))²]

8. Expected CAGR (CDP): CAGR = (EV\_After / EV\_Before)^(1/t) - 1

9. Fusion Convexity Function: F(x) = e^(fusion\_seed\_beta \* x)

10. Lawfare Alpha Ratio: LACR = (Legal Moat Depth \* IP Radius) / Time-to-Challenge

11. Observer Drift Function: D(t) = R \* e^(-λt)

12. Psychotoxo Loop Suppression: (model not yet formalized)

13. Recursive Film Collapse Model: (topology in progress)

14. Portfolio Trigger Matrix: T = f(volatility, threat\_score, scarcity\_spike)

15. Signal Threshold Rule: R \* S > C

16. Symbolic Activation Threshold:

∂Φ/∂Ψ > β\_critical

17. Equation of Gentle Exit: (named; symbolic definition only)

18. Tritium Elasticity Function:

ε\_T = (∆Q/Q) / (∆P/P)