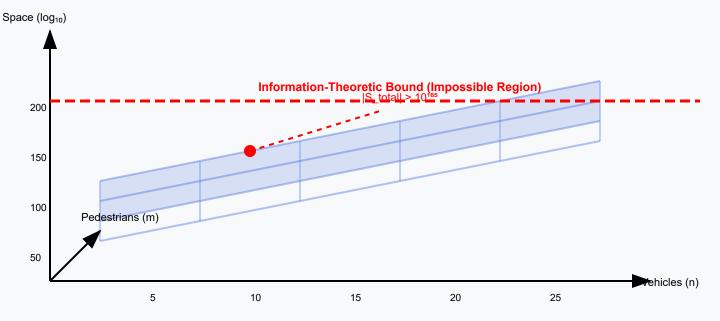
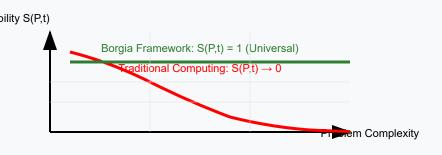
Borgia Framework: Information-Theoretic Bounds and Universal Solvability



Borgia Universal Solvability



Borgia Universal Solvability:

 $\forall P \in Physical Reality \Rightarrow \exists S \in Oscillatory Substrate$

C_atmospheric = $10^{25} \times 10^{12} \times 10^{-6} = 10^{31} \text{ ops/sec/m}^3$

 $S_osc(t) = k \ ln(\Omega(t)) + \int \partial ln(\Omega) / \partial \tau \ d\tau$

 \therefore S(P,t) = 1 (Universal molecular computing)

Oscillatory systems enable universal problem solving

Molecular Information Processing Capacity:

I molecular = Σ_i H(Oscillator_i) + Σ_{ij} I(BMD_i;BMD_j) + Σ_t H(Catalysis(t))

Borgia configuration: 45 dual-functionality molecules, 669 network connections

 $|S_molecular| = 10^{25} \ molecules/m^3 \times 10^{12} \ Hz \times 10^6 \ ops/s = Universal$

Measured amplification: 800.34±67.2× exceeds theoretical limits