

Core Law of the Theory of Dynamic Symmetry (TDS)

Postulate. The Reversible Symmetry Lattice (RSL) evolves at the Planck scale as a closed, information-preserving system. Its dynamics obey the bijective update rule and the fundamental balance between symmetry and asymmetry:

RSL: $a = \ell_P, \quad \tau = t_P, \quad s_i \in \{-1, +1\},$
$S_{t+1} = B S_t, \quad B^{-1}$ exists,
$I_{\text{total}} = H(S_t) = \text{const},$
$E_{\text{sym}}[S_t] + E_{\text{asym}}[S_t] = E_0 = \text{const},$
$E_{\text{sym}} = J \sum_{\langle ij \rangle} [s_i s_j]_+, \quad E_{\text{asym}} = J \sum_{\langle ij \rangle} [-s_i s_j]_+,$
$J > 0, \quad [x]_+ = \max(x, 0).$

This equation expresses the reversible equilibrium of symmetry and asymmetry within the informational substrate.