

RigbySpace Unified Manuscript

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Contents

RigbySpace Fundamental Equations

$$\text{TRTS Cycle: } [e - m - r - e][m - r - e - m][r - e - m - \Omega]$$

$$\text{Microtick Count: } \mu \in \{1, 2, \dots, 11\}$$

$$\text{Role Mapping: } R(\mu) = \begin{cases} E & \mu \in \{1, 2, 3, 4\} \\ M & \mu \in \{5, 6, 7, 8\} \\ R & \mu \in \{9, 10, 11\} \end{cases}$$

$$\text{Fundamental Oscillators: } v = \frac{a}{b}, \quad \beta = \frac{c}{d} \in \mathbb{Q}^+$$

$$\Psi\text{-Transformation: } \Psi(v, \beta) = \left(\frac{a}{d}, \frac{c}{b} \right)$$

$$\text{Product Invariant: } v \cdot \beta = \Psi(v) \cdot \Psi(\beta)$$

$$\text{Imbalance Dynamics: } \kappa_{n+1} = f(\kappa_n, \omega_n, \rho_n)$$

$$\text{Emission Condition: } \rho_n \text{ triggered when } \exists p \in \mathbb{P} \text{ in num/den of } \omega_n$$

$$\text{Phase Resolution: } \Delta^2 \Phi(n) = W[\Phi(n)] \cdot \tau(n) + F(n)$$

$$\text{Emergent Constants: } \alpha^{-1} \approx \lim_{n \rightarrow \infty} \frac{\omega_{n+1}}{\omega_n}$$

$$\text{Rational Convergence: } \forall \epsilon > 0, \exists N : \left| \frac{A_{n+1}}{A_n} - L \right| < \epsilon$$

$$\text{where } L \in \left\{ \frac{1}{\sqrt{2}}, \sqrt{2}, 1 + \sqrt{2} \right\} \text{ emerges from } \mathbb{Q}\text{-only propagation}$$