Executive Reasoning Intelligence Algorithm

Architect: Travis Raymond-Charlie Stone

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The Executive Reasoning Intelligence Algorithm (ERIA) integrates multiple core components of the Unified Recursive Logic framework. It enables deterministic modeling of recursive decision states with evolution parameters.

Key Formal Mathematical Steps:

1. State Transition Vector:

$S_n = [m_n, t_n, f_n]$

$S_{n+1} = [m_{n+1}, t_{n+1}, f_{n+1}]$

2. Recursive Delta:

$\Delta S = [(m_{n+1} - m_n) + (t_{n+1} - t_n) + (f_{n+1} - f_n)] / (\epsilon + C(S_n))$

3. Field-Weighted Recursive Output:

$R_n = \Delta S * \gamma_n - \beta$

4. Recursive Evolution Function:

$E(S_n) = (\pm m * \pm t * \pm f)^x - \beta$

5. Operator Encoding (Binary Permutations of m-t-f):

Permutations include m->t->f, t->f->m, etc.

Each encoded as a 3-bit sequence: 000 to 111

6. Angular Constraint from Stone Strip Mapping:

$\theta_T + \theta_W + \theta_R = 120$ degrees

7. Stone Strip Origin Anchoring:

$(x, y, z) = (0, 0, 0)$

With geometric constraint: x * y * z = 1

This algorithm creates a foundation for dynamic executive reasoning across physical, cognitive, and computational domains.

It quantifies change, respects physical symmetries, and guides recursive optimization.