The Intent Economy: Mathematical Foundations

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1 Core Model

The fundamental structure of the Intent Economy is defined as:

$$Outcome = f(Intent, Friction, Action) \tag{1}$$

2 Intent Integrity Index (III)

$$III = \frac{Alignment(Intent, Action)}{Drift(Intent, Action) + \epsilon} \tag{2}$$

3 Friction Function

$$Friction = \sum_{i=1}^{n} f_i \tag{3}$$

where each f_i represents a friction source (process, tool, decision, etc.)

4 System Output Equation

$$SystemOutcome = Intent \cdot Action \cdot (1 - Friction) \tag{4}$$

5 Narrative Compression Divergence

$$NCD = |DeclaredIntent - ObservedBehavior| \tag{5}$$

6 AI Leverage Function

$$AI_{Leverage} = \frac{Structure \cdot Repeatability}{Chaos} \tag{6}$$

7 Conclusion

The Intent Economy defines performance not as output alone, but as the structural relationship between intent, friction, and action.