

Unified Recursive Infinite Operator Equation

Authorship & Formal Recognition

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This document formally attributes the construction and authorship of the Unified Recursive Infinite Operator Equation to Travis Raymond-Charlie Stone. The system defines a symbolic method of applying infinite operations recursively across dimensional mathematical frameworks.

Equation Overview

The recursive infinite operator equation is defined as:

$$f_{\infty}(\infty) = (\text{Product} \pm \text{Sum} \pm \text{Integral}) \cdot f(x) = \text{inf}^{\infty} \text{inf}^{\infty} \text{inf}^{\infty} \dots$$

Where:

Product = Infinite product (recursive multiplication)

Sum = Infinite summation (recursive addition)

Integral = Recursive integration over transfinite domains

$f(x)$ = A function evaluated under these recursive operators

$\text{inf}^{\infty} \text{inf}^{\infty} \text{inf}^{\infty}$ = A symbolic representation of the infinite power tower

Interpretation

This equation models theoretical recursive growth across dimensions. It abstracts continuous transformation through classical operations-product, sum, and integral-when applied recursively at infinite scales. The system models hyper-function growth, transfinite evolution, and recursive expansion logic.

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Application & Utility

This framework can be used to structure universal recursive logic for artificial intelligence, physics, metaphysical modeling, data evolution analysis, and symbolic computation where normal quantification ends. By expressing the relationship between operations at scale, this model provides a unified logic for interpreting growth, force, and change recursively and infinitely.