

The Chronometric Definition of History

To align with standard metrological practices, we express the fundamental relationship of the Cumulative Temporal Flux Cosmology (CTFC) by solving for the **Accumulated History** (\mathcal{T}).

$$\mathcal{T} = \frac{M}{\sigma} \quad (1)$$

Interpretation

This formulation posits that the **Volume-Duration** (\mathcal{T}) of any physical system is directly calculable as the ratio of its **Rest Mass** (M) to the **Golden Constant** (σ).

- **Input:** Mass (kg)
- **Constant:** Temporal Density Coefficient ($\sigma \approx 5.0 \times 10^{-44} kg \cdot m^{-3} \cdot s^{-1}$)
- **Output:** The total spatiotemporal volume realized by that mass ($m^3 \cdot s$).

Dimensional Analysis (Verification)

$$[\mathcal{T}] = \frac{[M]}{[\sigma]} = \frac{kg}{\left(\frac{kg}{m^3 \cdot s}\right)} = kg \times \frac{m^3 \cdot s}{kg} = \mathbf{m^3 \cdot s}$$