

Definition

Irreducible Temporal Cost

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A fundamental temporal magnitude that defines the absolute lower limit for the duration of any state transition within a causal sequence. In our universe, this value corresponds to the Planck time (T_P), representing the scalar quantization of change. It ensures that every physical process is a succession of finite intervals, maintaining independence between non-interacting causal chains even when they share the same spacetime region.

Declarations

Potential competing interests: No potential competing interests to declare.