Categorical-Oscillatory Identity

Categorical State C_n	$\equiv$	Harmonic Mode ω_n	$\equiv$	Time-Reading Event

$\mu(C\_n, t) \in \{0, 1\}$
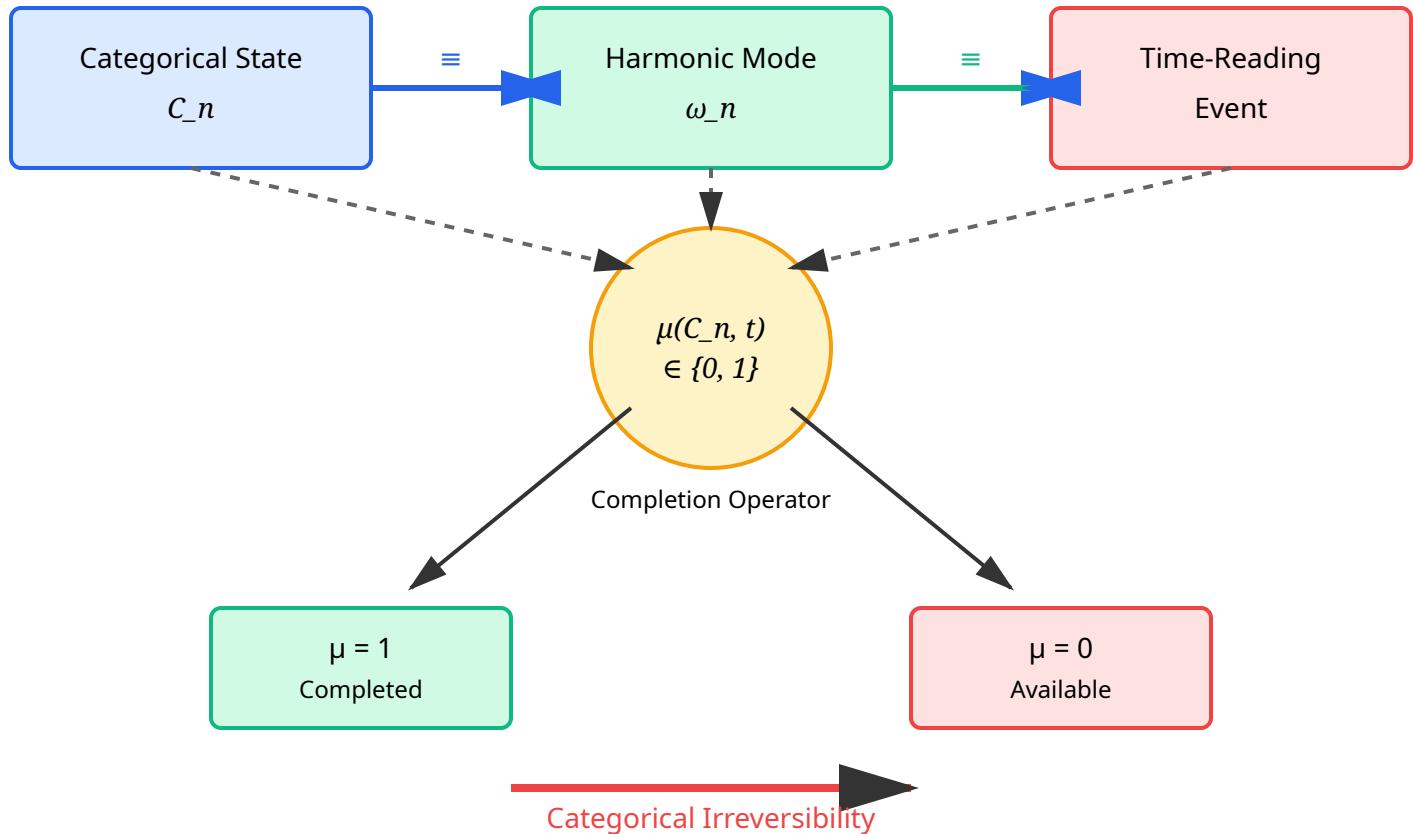
Completion Operator

$\mu = 1$ Completed

$\mu = 0$ Available

Categorical Irreversibility

$C\_n \equiv \omega\_n \equiv Time\ Event \Rightarrow \Delta t = 2\pi/\omega\_n$
Temporal precision determined by harmonic frequency