Name	Symbol	Туре	Description and Role
Chronos-time	τ	Relative / Measurable	Sequential time; proper time experienced by localized systems in motion through the æther. Core for modeling time dilation.
Aithēr-time	N	Absolute / Universal	The invariant universal present; a metaphysical and ontological background for all temporal flow.
Swirl Clock	$\cup$ or $S(t)$	Local / Cyclical	Internal clock-like rhythm of a vortex knot. Tracks phase, rotation, or identity shift through time.
Kairos Moment	K	Threshold / Emergent	The qualitative, transformational moment when a system undergoes critical phase alignment or collapse.
Æther Frame	$\Xi_0$	Reference Frame	Hypothetical inertial frame where the æther medium is at rest. Used for symmetry-breaking and baseline flow analysis.
Vortex Proper Time	$T_{v}$	Derived / Topological	Time internal to the closed knot or vortex loop. Emerges from geodesic paths and twist topology.
Now-Point	$ u_0$	Local Event / Temporal Slice	Precise location in spacetime where a point in the æther intersects the universal present. Useful in field causality.

Table 1: Temporal constructs used in the Vortex Æther Model. These notations distinguish between measurable time, absolute background time, internal vortex phase, and field-causality moments.

$$\frac{\mathrm{d}\tau}{\mathrm{d}\mathcal{N}} = \gamma^{-1}(\vec{v}) \tag{2}$$

$$\nabla S(t) = \frac{\partial \vec{S}}{\partial N} + \omega(\tau)\hat{n} \tag{4}$$

(3) Field Tensor Modulation (Æther-relative): (5)

$$F^{\mu\nu}(\Xi_0) = \partial^{\mu}A^{\nu} - \partial^{\nu}A^{\mu} + \phi(\circlearrowleft)\delta^{\mu\nu}$$
 (6)

(4) Ætheric Causality Surface: (7)

$$\Sigma_{\nu_0} = \{ x^{\mu} \mid \tau(x) = \mathcal{N} \}$$
 (8)

(5) VAM Energy Conservation in Æther Frame: (9)

$$\frac{\mathrm{d}E}{\mathrm{d}N} + \nabla \cdot \vec{J} = \mathbb{K}(\vec{x}, \tau) \tag{10}$$