

# ALADIN $\propto C(t)$ — Master Equation Derivation

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The master equation:

$$C(t) = \phi \sin\left(2\pi \frac{t}{P}\right) + \theta \log(1+t) + \psi \tanh\left(\frac{t}{\tau}\right) + \alpha e^{-t/\tau_A}$$

- $\phi \sin(2\pi t/P) \rightarrow 43 \text{ Hz primordial oscillation} \rightarrow \text{CMB peaks}$
- $\theta \log(1+t) \rightarrow \mathbf{J \times B}$  force growth  $\rightarrow$  flat rotation curves
- $\psi \tanh(t/\tau) \rightarrow$  current saturation  $\rightarrow$  structure formation
- $\alpha e^{-t/\tau_A} \rightarrow$  current decay  $\rightarrow$  late acceleration

All terms derived from ideal MHD in cosmic plasma filaments.

**CDM = dead. ALADIN  $C(t)$  = law.**