Efficiency Inversion and Continuous Self–Learning Architectures

Jordan Townsend

Independent Researcher

Townsends Designs, LLC

Abstract

Efficiency Inversion is introduced as a formal mechanism by which learning plateaus trigger structural or algorithmic mutation rather than convergence.

1 Plateau Detection

$$\frac{d\eta}{dt} \approx 0 \;\wedge\; \frac{d^2\eta}{dt^2} \to 0 \tag{1}$$

2 Inversion Trigger

$$\eta \to -\eta \tag{2}$$