1. Capacity Axis (Structure)

Changing these requires retraining (Developmental time).

RNN Hidden Units (Width)

15

RNN Layers (Depth)

3

Training Epochs

346

Learning Rate

0.05

Build & Train Model

🧠 State & Capacity: The Two-Axis Explorer

Interactive Supplement for: *State and Capacity in Neural Models of Cognition* This app demonstrates the dissociation between **Structural Capacity** (hardware/training) and **Computational State** (dynamic tuning).

2. State Axis (Dynamics)

Tuning these is instant (Inference time).

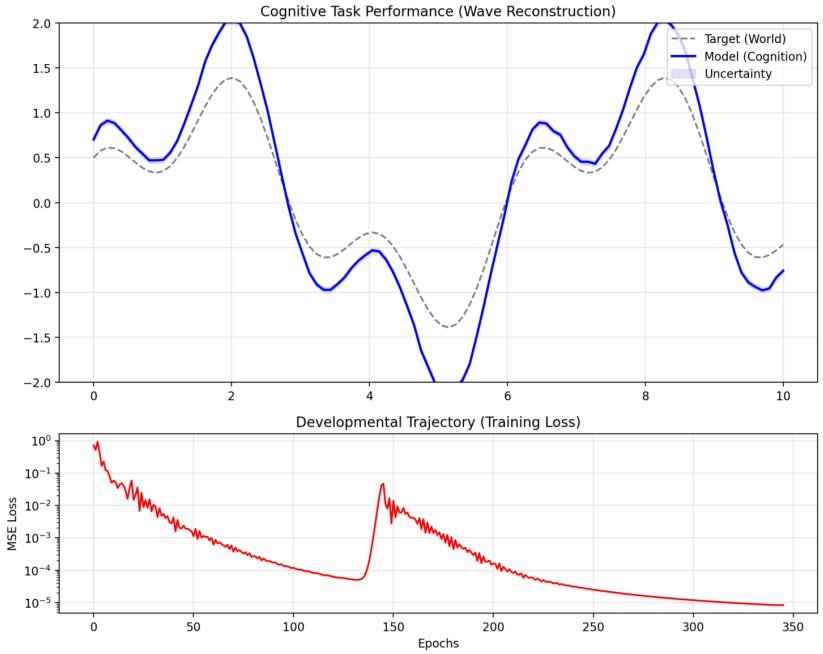
Global Gain (Arousal)

1.50

Internal Noise (Stochasticity)

0.03

Behavioral & Neural Output



Current Architecture:

```
15 Units, 3 Layers
```

Diagnostic Interpretation

✅ **Capacity Sufficient:** The model successfully learned the ontology (Loss: 0.000).

🎯 **Optimal Alignment:** The model is operating in a high-fidelity regime.