NERVA v5 — Quick Guide

Quadrants + phase (ϕ) + validity (EV × Integrity) • Dashboard overview

Phasewell supports users in designing systems and events that survive their own extremes.

Quantum state (amplitude form)

$$|\psi\rangle = a|0\rangle + b|1\rangle$$

Key Components

- E + S = Intent (x-axis)
- R = Risk (y-axis)
- τ = Commitment Threshold
- EV = Expected Value
- Integrity = Support × Stability

1) Set the Map (E, S, R)

- **Emotion (E)**: Urgency/intensity (calm → fired up)
- **Strategy (S)**: Control/planning (impulsive → deliberate)
- **Risk (R)**: Exposure (reversible → high stakes)

2) Set Commitment Threshold (τ)

τ controls the red circle radius.
Arrow tip reaches circle → commitment available.
(See Technical Note on page 2 for symmetry)

3) Check Expected Value (EV)

- Perceived Gain (PG): Upside
- Blowback: $P_b \times I_b$ (probability × impact)
- Expected Cost (EC): Time/money/stress

$$EV = PG - (Blowback + EC)$$

4) Check Integrity (Support × Stability)

- Evidence Quality (EQ): Strength of proof
- Justification Bias (JB): Rationalizing (low = humble → high = locked)
- Phase Stability: Small $\Delta\phi \rightarrow$ consistent direction

Quantum + Hegel Frame
Decision as state vector $|\psi\rangle$ in Hilbert space.
Amplitude → probability, phase $\phi = 2(y, x)$.
Large phase swings reduce stability → lower integrity.

Checklist — How to Turn Green

- Arrow reaches red circle
- EV ≥ 0
- High Evidence Quality
- Low Justification Bias
- Stable phase ($\Delta\phi$ small)

Decision Rule
COMMIT_VALID if EV ≥ 0 **and** Integrity ≥ 0.5
TOXIC_ESCALATION otherwise

Technical Note: Threshold Symmetry (τ / DII)

The red circle represents required commitment energy (τ).
Your decision vector has magnitude $\sqrt{x^2 + y^2}$ and phase ϕ.

Deep Symmetry

- **Can't reach circle**: Lacks *dimensions* (options, evidence, resources)
- **Overshoots circle**: Lacks *containment* (too volatile, poor structure)

Anchor: Healthy systems reach the threshold *without exceeding it wildly.*

Equations

- Intent: $x = E + S$
- Risk: $y = R$
- Energy: $CE = x^2 + y^2$
- Phase: $\phi = 2(y, x)$
- Threshold: radius $\sqrt{\tau}$

When Stuck

- Can't reach → Add degrees of freedom (options, time, evidence)
- Overshoots → Add containment (reduce risk, strengthen strategy)

Coherence beats intensity.

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