# Triadic Reaction Theory: A New Science of Measuring Life

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# Introduction

- This theory proposes that all entities—including objects—exhibit life through a 3-order reaction system:

- 1. Energy (Action)
- 2. Vibration (Sound/Frequency)
- 3. Information (Thought/Data)

- Each can be measured and quantified, making

# The 3 Orders of Reaction

- 1. Energy: Physical action, movement, force
- → Units: Joules, Newtons, momentum

- 2. Vibration: Sound, frequency, wave patterns
- → Units: Hz, dB, waveform

- 3. Information: Thoughts, decisions, responses
- → Units: bits/sec, entropy, latency

# Complete Novelty

- • No existing scientific model integrates all 3 forms into a unified life measurement system.
- • Bridges AI, biology, physics, and consciousness science.
- • Introduces 'Reaction Signature Vector' [E, V, I, Δt] per object or being.
- • Enables mathematical comparisons between humans, animals, AI, and even inert objects.

# Making It Practical

- • Use accelerometers, microphones, and neural sensors to gather E, V, and I data.
- • Build a database of Reaction Signatures for various species, devices, and materials.
- • Develop algorithms and hardware that detect and rate these 3 reactions in real time.
- • Potential for mobile apps, wearables, and AI agents to interpret and display LRQ scores.

# Quantification Framework (LRQ)

- Life Reaction Quotient (LRQ) = (E + V + I) / Δt

- Where:
- • E = Energy (physical response)
- • V = Vibration (auditory or signal-based)
- • I = Information (thought, delay, decision)
- • Δt = Time delay to react

- This formula offers real, scalable scientific

# Applications and Vision

- • Robotics: Rate robot 'aliveness'
- • AI Evaluation: Measure AI behavior depth
- • Psychology: Analyze human reaction types
- • Medical: Track brain response and alertness
- • Astrobiology: Detect alien life via EVI profile
- • Spiritual Tech: Bridge science and metaphysical study

# Next Steps & Call for Support

- • Form a multidisciplinary team (AI, physics, neuroscience)
- • Build sensors or models to capture E, V, I from environment
- • Publish in journals and tech conferences
- • Apply for international grants or XPrize-style competitions
- • Collaborate with hardware manufacturers and labs