



Evoking a new way of thinking which recognizes that:

- 1) Actions have a fundierung relationship with context and
- 2) Cognition has a fundierung relationship with semiotic affordances.

➤ The Idea: Our Way of Thinking Often Does Not Match Our World

➤ The Problem: The World is Often Complex & Context Dependent

We Do Not Live in a Simple World

- EMERGENCE
- VOLITION
- REFLEXIVE ANTICIPATION
- HETEROGENEITY
- EVIDENCE: ROUNDWORMS
- EVIDENCE: EPIGENESIS
- EVIDENCE: "JUNK DNA"
- EVIDENCE: "MEANING" VERSUS "INFORMATION"
- EVIDENCE: LONDON TAXI DRIVERS

But Our Method of Thinking Assumes We Do

We give priority to physics and physics like ways of thinking -- where objects are discrete, come together in aggregates, and form simple relationships.

Such thinking assumes that the goal is "reliable prediction." We enquire so that we can reliably predict and we then act based upon the models we create to represent such predictions. But, in parts of the world (especially those parts involving the items listed at left) reliable prediction is a logical impossibility. Moreover it is often impossible to disregard the role of the observer. This part of our world is complex -- not simple -- and the simple rules do not apply.

Complicated & Complex are DIFFERENT

Complicated is about aggregates, probabilities, and unfoldings.

Complex is about interweavings -- where relationships and organization matter.

If we lack the basic impulse to think about complex relationships and their implications, our thinking tools are insufficient to deal with the complex portion of our world.

➤ Cognitive Phenomenology: The Core of Epi-Thinking

➤ Science I: A Method for the Simple and Complicated

➤ Science II: A Method for the Complex and Context Dependent

➤ Implications of Epi-Thinking

➤ What is Next: Applying Epi-Thinking

▸ Key Concepts & Vocabulary

▸ Reference Works

Consider attending the *Modes of Explanation Conference* in Paris May 22-24, 2013

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