



Psychogenesis and Creativity

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Motivating question

What is causing scientists and technologists, aided and abetted by computer technology, to drive the pace of scientific discovery and technological development at unprecedented exponential rates of acceleration?



Creative experience

- The words or the language, as they are written or spoken, do not seem to play any role in my mechanism (*sic*) of thought. The physical entities (*sic*) which seem to serve as elements in thought are certain signs and more or less clear images which can be 'voluntarily' reproduced and combined.

Albert Einstein's letter to Jaques Hadamard,
The Psychology of Invention in the Mathematical Field, 1945



Can machines think?

- I believe that at the end of the century the use of words and general educated opinion will have altered so much that one will be able to speak of machines thinking without expecting to be contradicted.

Alan Turing, *Mind*, 1950

- The development of full artificial intelligence could spell the end of the human race.

Stephen W. Hawking, BBC, 2014

- The Analytical Engine has no pretensions to *originate* anything. It can do whatever we *know how to order it* to perform. It can *follow* analysis; but it has no power of *anticipating* any analytical relations or truths. Its province is to assist us in making *available* what we are already acquainted with.

Ada Lovelace, *Memoir on Analytical Engine*, 1843

Mechanistic data processing



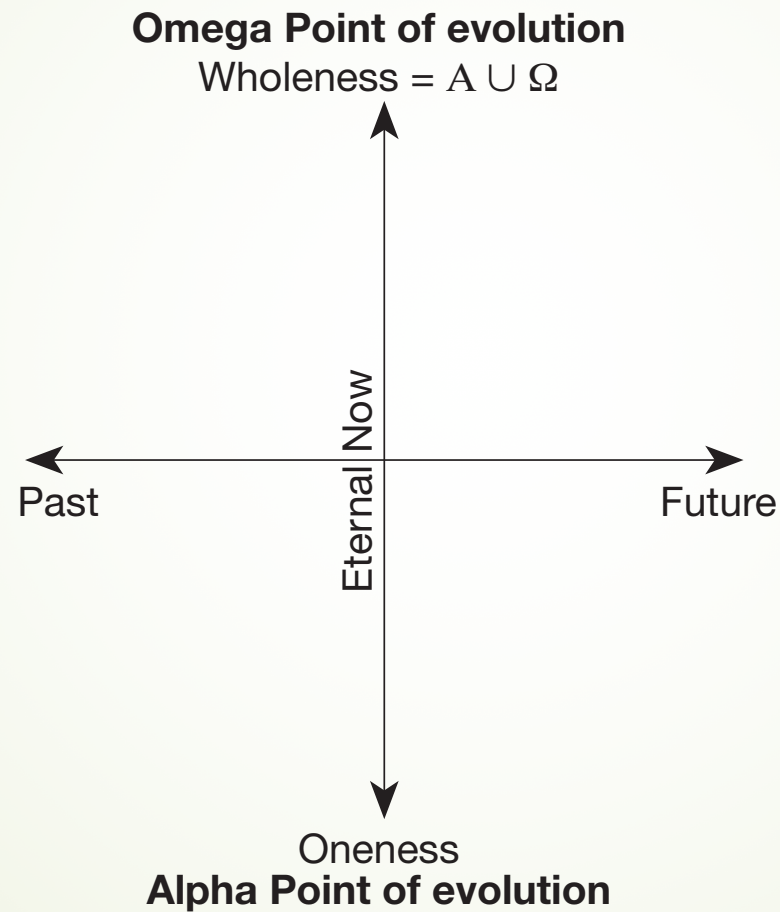
➤ Aeons-long cause-and-effect chain



Where and when is the Origin?

- **Unmoved mover**, Aristotle, *Metaphysics, Physics*, c. 350 BCE
- **God**, Thomas Aquinas, *Summa Theologiae*, 1265–1274
- **Big bang**, Fred Hoyle, BBC, 1948
- **Presence**, Rupert Spira, *Presence*, 2004
- **Akasha**, Ervin Laszlo, *The Akasha Paradigm in Science*, 2012

The two dimensions of time





Experiential psychogenesis

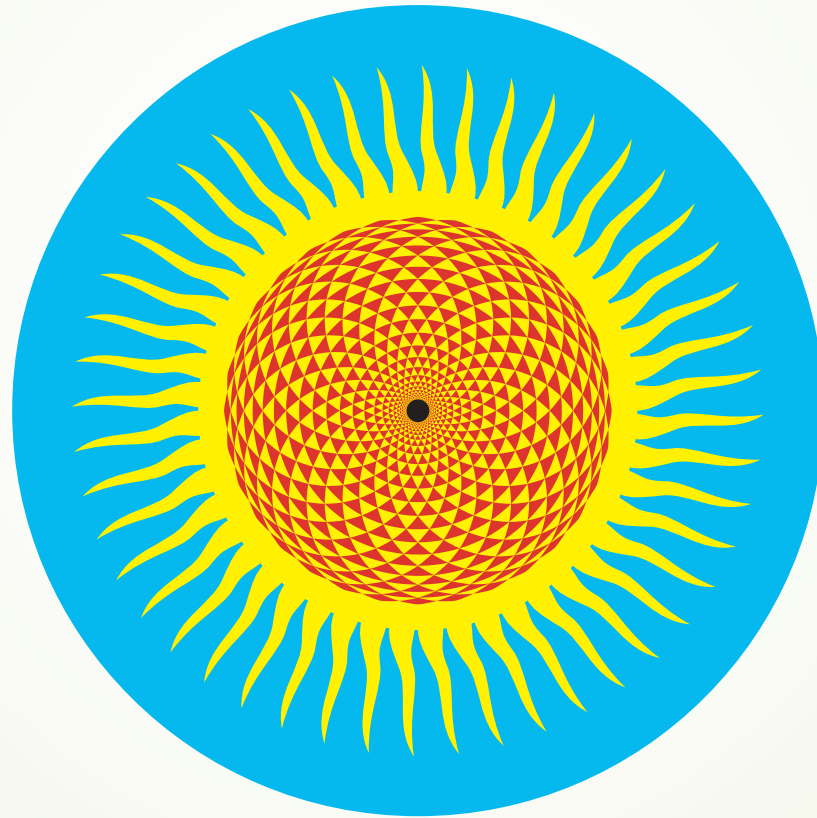
- **Start:** Divine, Nondual Origin of Universe
- **Axiom:** *Wholeness is the union of all opposites*
- **Concept of concept:** basic building block
- **Relationships:** interconnect all concepts
- **Cognitive map:** holographic, mathematical graph

- *Witnessed with Self-reflective Intelligence in the Coherent Light of Consciousness*
- *Expressed in words and symbols as a secondary process*

Indra's net of jewels



The Coherent Light of Consciousness





Completing the second heliocentric revolution

- Spiritually, realize that none of us is ever separate from the Divine, as the Source of the creative power of Life, for an instant.
- Cosmologically, realize that Consciousness is all there is—as Ultimate Reality, metaphorically experienced as both light and as an ocean.
- Logically, welcome paradoxes into our nonlinear reasoning, acknowledging that opposites are never separate from each other.
- Semantically, take the abstractions of mathematicians and information systems architects in business to the utmost level of generality.
- To model accumulative, exponential change mathematically, use nonlinear, discrete difference equations rather than differential equations in the infinitesimal calculus.
- Linguistically, apply the archaeology of language to change the meanings of many words, consonant with the union of the spiritual and scientific worldviews.
- Academically, recognize mystical, depth psychology as the primary science, rather than physics or biology, its sometime usurper.
- Economically, adopt the most radical change to the work ethic since our forebears settled in villages to cultivate the land and domesticate animals some 10,000 years ago.

Alliance for Mystical Pragmatics

