

ಪರಿಕಲ್ಪನೆ ಅಧ್ಯಯನ

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Conceptual Mathematic

Understanding and Experience in Studying Culture

What is understanding?

- Understanding (organizing knowledge into a cohesive body of concepts) develops slowly.
- Write in your own words (e.g., uncompetitive antagonists as strolling cows; Feynman's failure) -->
one's own concepts = death of concepts.
- Mathematical difficulties are the difficulties of expressing as intended in ordinary languages.
- Fundamental tenet of pragmatist epistemology: Truth is what one can get away with (Dewey, the Devil: "Teach the child, not the science!").

PRODUCT / AND vs. SUM / OR

- Primacy of Addition, with Multiplication as shorthand for addition (e.g., $2 + 2 + 2 = 2 \times 3$).
- Primal Mass + Acceleration = Cardinal Sin birthing legitimate Mass x Acceleration = Force?
- Quantities are quantities of something(s), things with their qualities.
- Q: $1 + 1 = ?$ Ans: It depends! $1 + 1 = 2$ (in the category of sets); $1 + 1 = 1$ (category of pointed sets).
- Natural numbers $N = \{0, 1, 2, \dots\}$ aren't natural; merely subjective arithmetic of Cantor's lauter Einsen.
- Counting discrete sets done! Outstanding deliverable: learning to count everyday cohesively extended bodies.
- AND makes OR possible (e.g., if pizza AND burger are on menu, then pizza OR burger can be chosen).

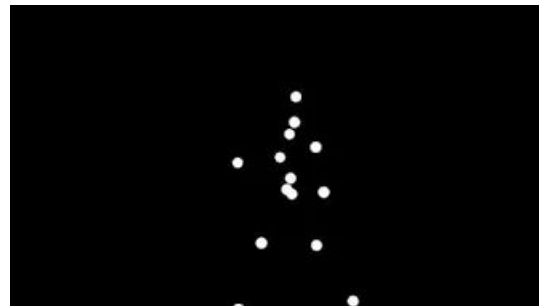
Experience

- Our commonplace conscious experience is categorical. Everyday objects populating our perceptual experience are objects of various categories.
- Every object of a category (e.g., cats) partakes in the essence (catness) that's characteristic of the category.
- Morphisms of a category are respectful of its essence (adult rayudu --> old rayudu preserves rayuduness).
- Category theory thus provides the most the general mathematical theory of experience.
- All morphisms of any category are Natural understood as 'Becoming consistent with Being', and as Unity-respecting Change (Zeroth Law of Change that Newton failed to abstract), which is the Dharma (in the sense of its etymological roots) that holds it all together.

Zeroth Law of Change

underlying

Perceptual Objectification of Physical Contrasts



Artificial Intelligence

Statistical Abstraction of the Architecture of Mathematics

'Good for' method of definition

Rayudu goes Ayurvedic on India

The world is full of bad actors: deadly viruses, even more evil bacteria, and all the more life-sucking parasites, all fixated on killing me now-and-here, without even a stopover at bardo. The only reason I am alive, based on what I understood from a lecture of an eminent Ayurvedic doctor is that all the bad in the entire universe even as a coalition of the swilling in a cosmic conspiracy to desiccate me into stardust-sans-soul can barely enter my personal space thanks to the good that's my body / mind / et al. Cut to chase, only when one (be it a body, be it a family, be it a society, or the very India) is not good enough, that goodness-deficit is all that's needed for the bad to invade and violate as it pleases. So, if I may, let's go easy on Islamic invasions and British colonization for, going by the reach of my puny brain, it did no good.

The Fundamental Unity of The Indoeuropean Languages

Professor F. William Lawvere

In Indo-European languages "time" is not typically just an abstract one-dimensional continuum. In Italian tempo (time) also means weather, in Danish the word for time is tid, which is old English for tide. In a *Zeit-ung* like the Times the tidings describe the whole tempestuous march of events over which the reader has little control. In English we have "the worst of times" and "the best of times", and "the times are a-changing", something a mere smooth line cannot be or do.

Place-Value Notation

Our place-value notation is bristling with content; we would have seen a function:

number: Places \rightarrow Values

with distinct domain (Places) and codomain (Values). Once we have function, category theory is within reach. Given the geometric domain and algebraic codomain, the self-founded geometry, along with the contrast: extensive vs. intensive and its long-lost ancestor: objective vs. subjective, are all ours to claim (provided we put pen to paper ;)

The Fundamental Dialectic of Philosophy

(reality *vs.* [epistemology *vs.* ontology])

Compounding epistemology and ontology into which reality is resolved.

Science is not even half-done (cf. Newton's metric)!

Math barely got started, i.e., at stage 0 of the infinitely one too many

$N = \{0, 1, 2, \dots\}$, in number-speak.

Amuktamalyada

Srikrishnadevaraya

Emi Sethura Linga

Tribute to Dr. M. Balamuralikrishna

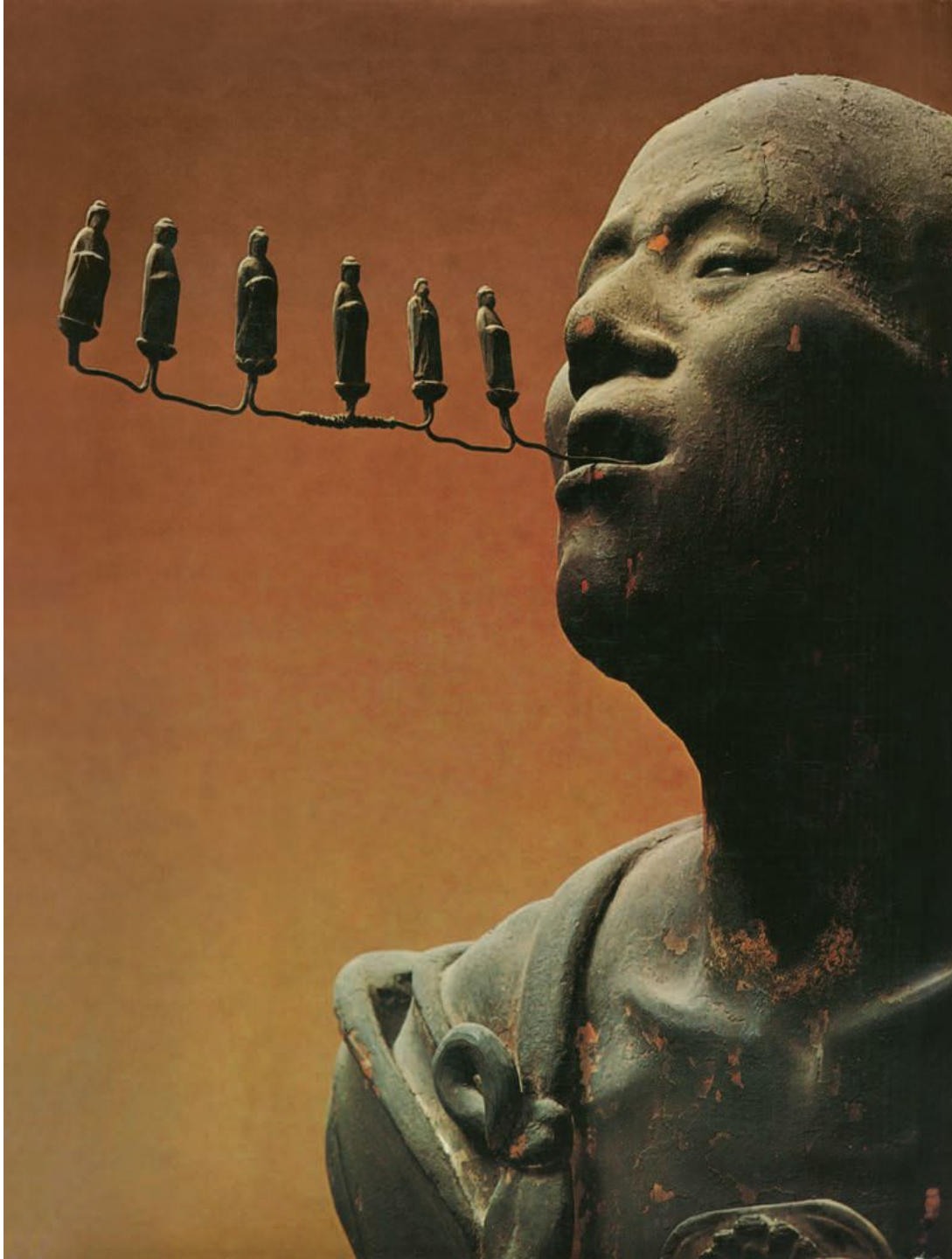
Professor Deepti Navaratna

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Conceptual Mathematic in Mother Tongues

Bhāvanākrama



Buddhism has articulated particularly well the benefits of expanding the scope of the conscious mind.

Buddhist monk Kuya reciting the nembutsu, or praise of the Buddha, which in Japan takes the form of six characters. The six small Buddhas issuing from his mouth represent the six syllables of the spoken prayer. This portrayal shows remarkable complexity of representation, with pieces of wood carved in the shape of figurines, symbolizing discrete components of speech, which together represent language, its underlying concept, and in this case a means to spiritual enlightenment (Principles of Neural Science).

Lost Battles Are The Only Battles Worth Fighting!

For the sake of the mind, cancel Kahneman!

Theories of Consciousness

^ ^ ^ Muchas Gracias ^ ^ ^