

Chaos, Fractals, and the Arts

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Porter College 34B, UCSC
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Tentative Syllabus by Week

- A. Vibrations and Forms
 - A1. Models of Consciousness
 - A2. Cymatics
 - A4a. Science and Consciousness
(moved from A4)
 - A4b. Chaotic attractors
 - A5. Symmetric chaos

Meeting #4, January 26

- HW Quiz
- Perfect music session (drum circle)
- Lecture
 - A. Science and Consciousness
 - B. The chaos revolution
 - C. Turtle patterns

A. Science and Consciousness

- Consciousness studies
 - Philosophy, Psychology, ...
- Science approaches
 - Neuroscience, quantum mechanics, models
- Conferences
 - US: Tucson, San Jose
 - India: Kolkata, Dharamsala, Bangalore

Conference Websites

- Tucson
 - www.consciousness.arizona.edu/
- San Jose
 - scienceandnonduality.com
- Bangalore
 - niasconsciousnesscentre.com
- Dharamsala
 - www.mindandlife.org

Bangalore, 9-11 Dec. 2015

- Consciousness, Cognition and Culture:
 - Implications for the 21st Century
 - Reality according to modern physics and classical traditions
 - Only the lowest of the five kosa (sensory perceptions)
 - of 24 talks, only 2 exception
 - The problem of self

The problem of self

- Viktoria Lysenko
 - Head of Oriental Philosophy
 - Russian Academy of Sciences, Moscow
- The problem of qualia in the perspective of the Buddhist theory of consciousness
 - 40 minute talk
 - From the abstract:

Viktoria Lysenko, Moscow

- The term qualia refers to the properties of sensory experience, which being subjective, unique and nontransmissible by their very nature, constitute modes of experiencing the world characteristic of each human being but accessible only from the first person perspective.
- In the most promising contemporary scientific theories of consciousness, the notion of qualia is viewed as an insurmountable obstacle to their final triumph. Qualia remain the last bastion of subjectivity which cannot be taken by assault with the help of "objective" scientific methods.

Porter 34B 2016 Meeting #4a

The End