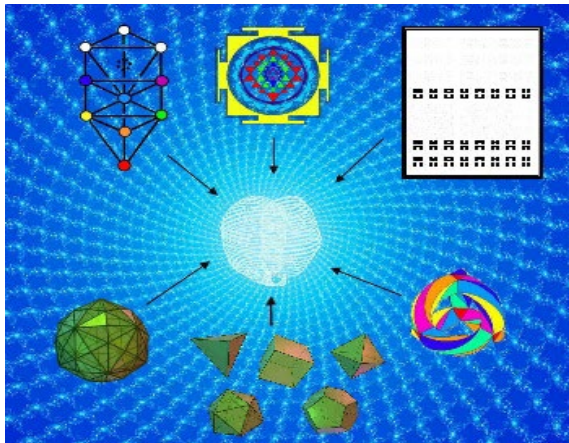
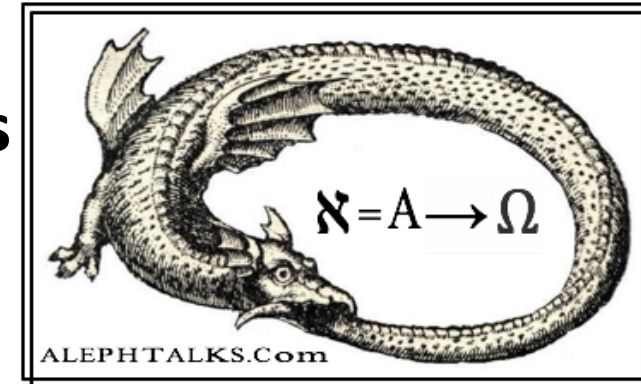


Overview

Is Mysticism Where Science, Art and Religion Meet?



**Speculations, Hypotheses and Assertions
Concerning Interrelationships
Marjorie Partch & Bart Stuck
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Why This Course

- Fastest growing religious affiliation is NONE.
- Spirituality is becoming equally insignificant, with materialism ascendant, and more people questioning the meaning of life.
- After five hundred years, Western science has realized it has studied five percent of the Universe, with the remainder called DARK.
- Is mysticism at the intersection of science, art and religion?



Course Topics



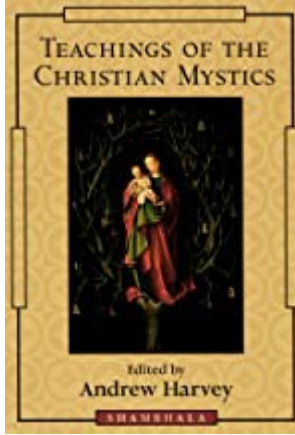
- Mysticism and science: Clairvoyance, Kabbalah, physics, and string theory;
- Eastern spirituality and Western esotericism;
- Transcendentalism and mysticism;
- Astronomy, cosmology, astrology: Big Bounce, no Big Bang; planetary archetypes
- Music, painting, sculpture, dance, poetry;
- Jungian gnosticism and Jung-Pauli letters

Two Schools of Thought

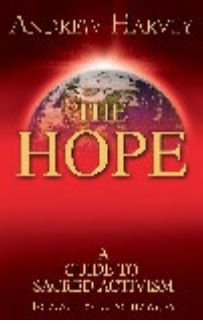


- There is a single underlying unifying entity that has created all and that governs its creation, that asks for us to love it and to love one another.
- There is an individual or group of individuals that desire to teach others about this unifying entity, each group distinct from the other:
 - Christianity and its sects
 - Islam and its sects
 - Hinduism and its sects
 - Buddhism and its sects
 - Judaism and its sects
 - And on and on and on
- Some are open minded and some are close minded to each school(s)

Lessons from Teachings of the Christian Mystics by Andrew Harvey



- Even in the highest and final stages of mystical illumination a crucial gap still remains between Creator and creature that necessitates a continuing practice of prayer, contemplation, and service.
- Enlightenment is not in any sense a static state of omniscience or oneness with being as the eastern religions have tended to represent it—but a continual opening up to and evolution in love.
- The price for such infinite growth and expansion in love is a heroic embrace of the laws of suffering and ordeal. To accept the demands of love is to accept the Cross and the extreme suffering that comes with it.
- No mystical training is authentic unless it results in a total commitment to other beings and to the service of justice and compassion in all forms in the



Andrew Harvey: Sacred Activism®

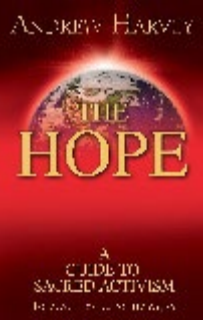
We've come to the defining crisis of human history. And if we're going to get through this, it will only be through a massive and extremely painful and complete transformation. This transformation won't just be individual, it will have to be structural. It will have to be economic, political, spiritual, and emotional. All at once. And very fast.

Anyone who isn't prepared to see the extremity of what is happening, is enabling disaster.

Anyone who isn't prepared to do the intense work that is required to become love in action, is allowing the dark to destroy the planet. This is the time when humanity will either call for a revolution of love-in-action on every level, or die out in unspeakable suffering and despair. That is the bad news... and it's time that everyone is adult enough to hear it.

The great good news is that this death could be the birth canal of an unprecedented birth.

The birth of an embodied divine humanity that lives in humble harmony with the Creation. For 40 years, I have been aware of both this death, and this potential rebirth... and I want to offer you these resources of vision and practice and inspiration that I know from my inmost experience can guide you through anything, and keep you aligned with truth and joy. Whatever Happens



Sacred Activism®

- “A spirituality that is only private and self-absorbed, one devoid of an authentic political and social consciousness, does little to halt the suicidal juggernaut of history.
- On the other hand, an activism that is not purified by profound spiritual and psychological self-awareness and rooted in divine truth, wisdom, and compassion will only perpetuate the problem it is trying to solve, however righteous its intentions.
- When, however, the deepest and most grounded spiritual vision is married to a practical and pragmatic drive to transform all existing political, economic, and social institutions, a holy force – the power of wisdom and love in action – is born.
- **This force I define as Sacred Activism.”**

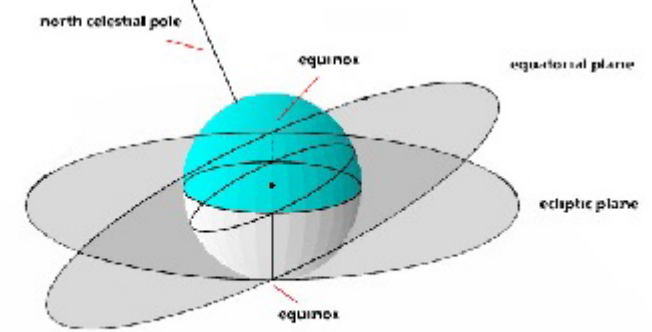
Prologue In Words



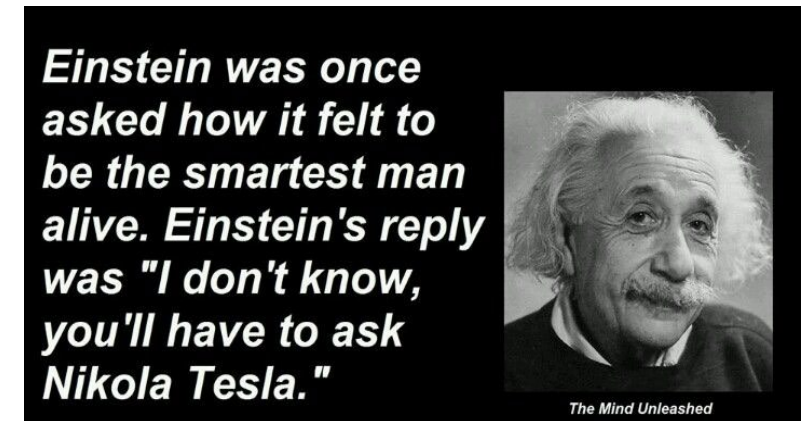
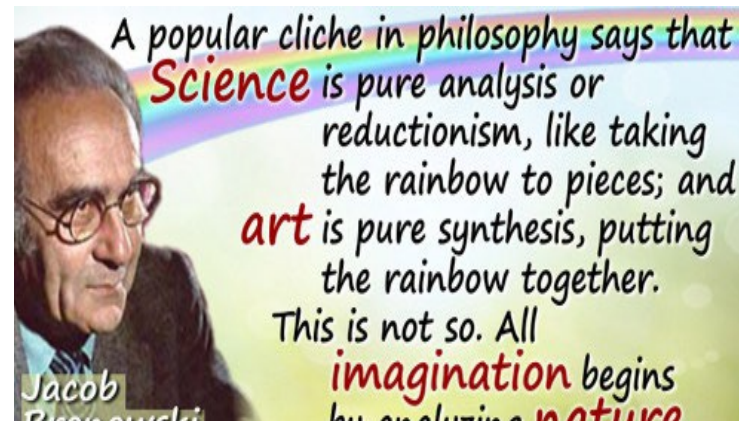
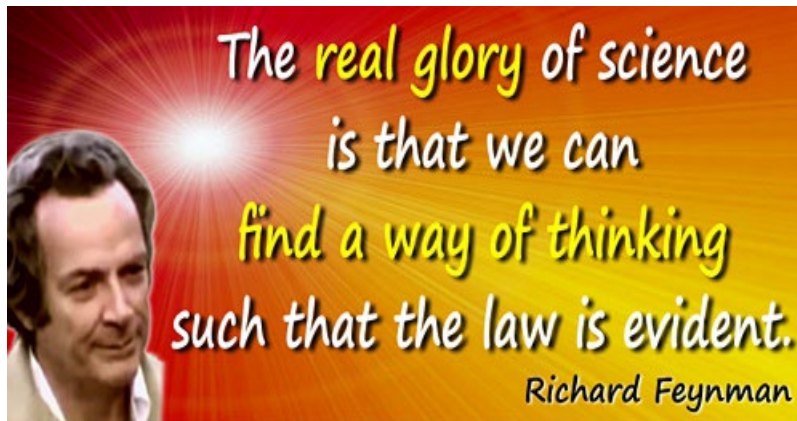
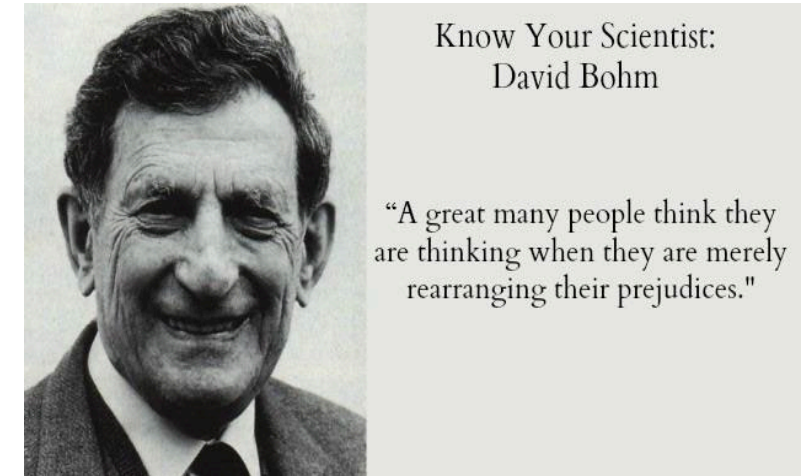
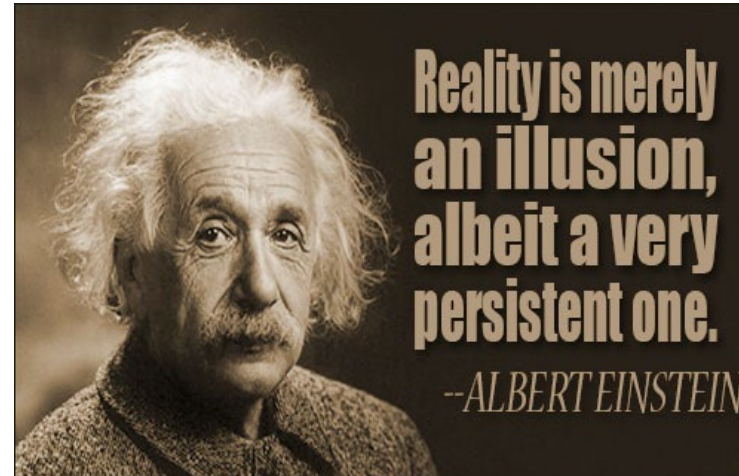
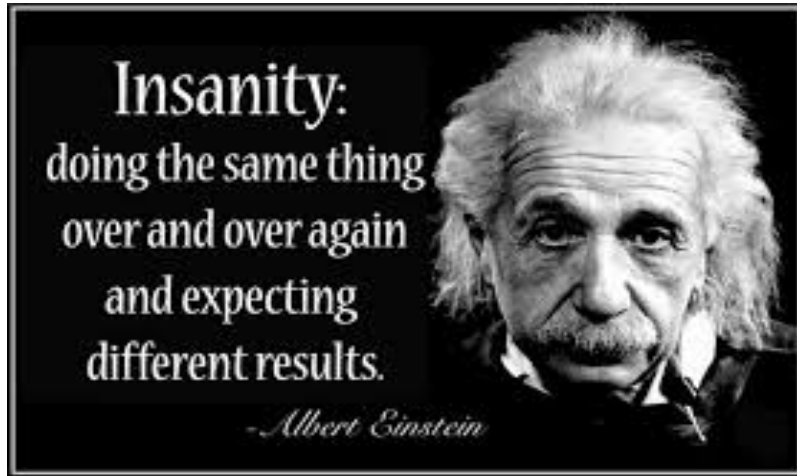
- The Universe is a thought of the Deity. Since this ideal thought-form has overflowed into actuality and the world born thereof has realized the plan of its creator, it is the calling of all thinking beings to rediscover in this existent whole the original design. **Friedrich Schiller**
- That deeply emotional conviction of the presence of a superior, reasoning power, which is revealed in the incomprehensible universe, forms my idea of God. **Albert Einstein (Nobel Prize in Physics, 1921)**
- Fools give you answers, wise men never try, from **Some Enchanted Evening** from **South Pacific** by **Richard Rodgers** and **Oscar Hammerstein II**
- A man is always a teller of tales, he lives surrounded by his stories and the stories of others, he sees everything that happens to him through them; and he tries to live his life as if he were recounting it, **Jean-Paul Sartre**
- You yourself are the easiest one to fool, **Richard Feynman (Nobel Prize in Physics, 1965)**
- Our mistake is not that we take our theories too seriously, but that we do not take them seriously enough. It is always hard to realize that these numbers and equations we play with at our desks have something to do with the real world. **Stephen Weinberg (Nobel Prize in Physics, 1979)**

Astronomy Drives Science

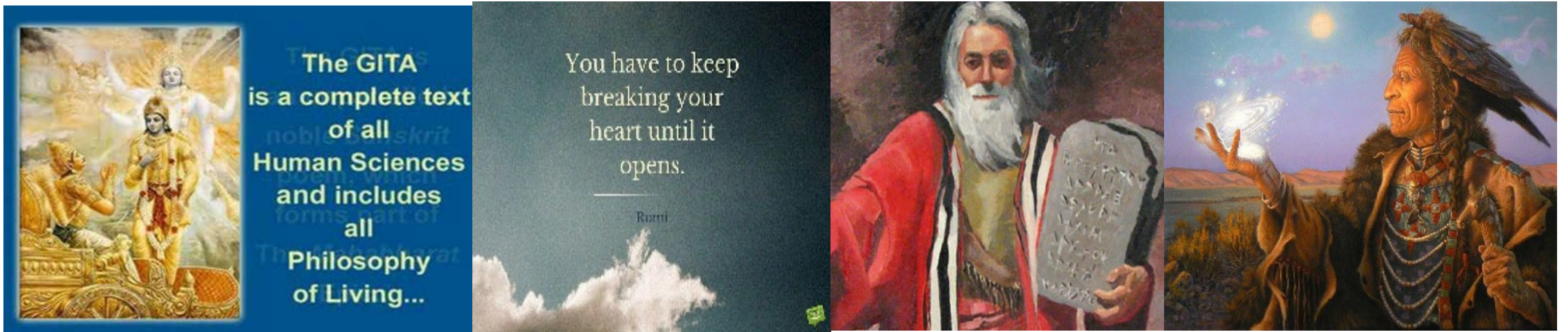
- **Egypt, Sumeria, Stonehenge** – precession of the equinoxes
- **Copernicus** – Heliocentric solar system of sun and planets
- **Tycho Brahe, Kepler** – observations lead to three laws of planetary motion
- **Newton, Galileo** – speed, velocity, inertia, gravity, telescopic observations, calculus, laws of motion
- **Laplace, Lagrange, Hamilton** – principle of least action
- **Poincaré** – chaos
- **Edwin Hubble** – galaxies are moving away from one another
- **Fritz Zwicky** – galaxies contain dark matter
- **Feynman, Einstein** – black hole exists, black hole at center of galaxy
- **Guth** – inflation



Science Prologue in Pictures



Mysticism Prologue In Pictures



10/02/2020

Is Mysticism Where Science, Art, and Religion Meet?

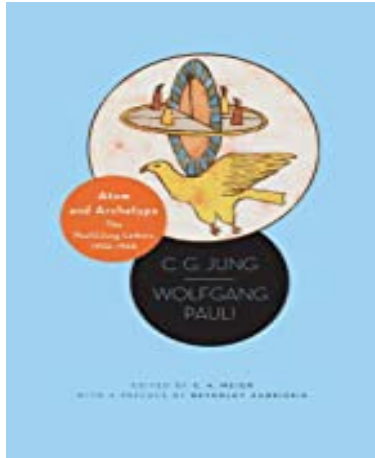
12

Julian Jaynes



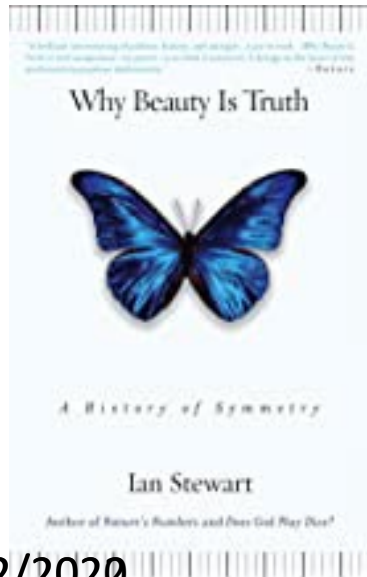
Julian Jaynes (February 27, 1920 – November 21, 1997) was an American researcher in psychology at Yale and Princeton for nearly 25 years and best known for his 1976 book **The Origin of Consciousness in the Breakdown of the Bicameral Mind**. His career was dedicated to the problem of consciousness, "...the difference between what others see of us and our sense of our inner selves and the deep feelings that sustain it. ... Men have been conscious of the problem of consciousness almost since consciousness began." Jaynes' solution touches on many disciplines, including neuroscience, linguistics, psychology, archeology, history, religion and analysis of ancient texts. Source: Wikipedia

Suggested Reading



Atom and Archetype
By C.G.Jung and Wolfgang Pauli
2014

:



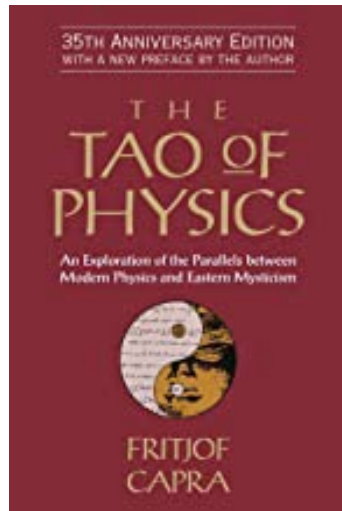
Why Beauty Is Truth: The History of Symmetry
By Ian Stewart
2007

10/02/2020

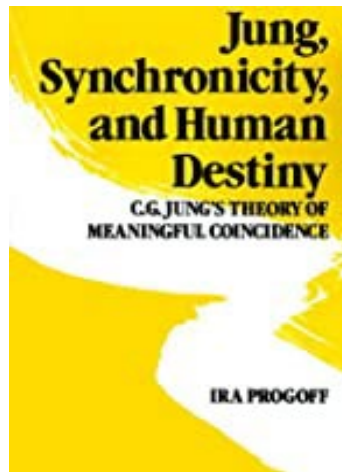
Is Mysticism Where Science, Art, and Religion Meet?

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Suggested Reading (continued)

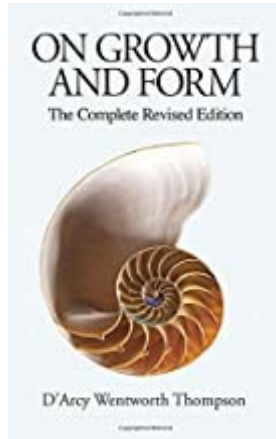


The Tao of Physics by Fritjof Capra, 1975

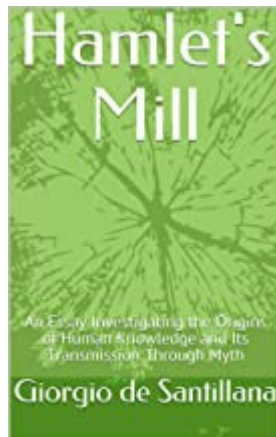


Jung, Synchronicity and Human Destiny by Ira Progoff, 1987

Suggested Reading (continued)



On Growth and Form
by **D'Arcy Wentworth Thompson**
1992



Hamlet's Mill,
By **Giorgio de Santillana and Hertha von Dechend,**
2020

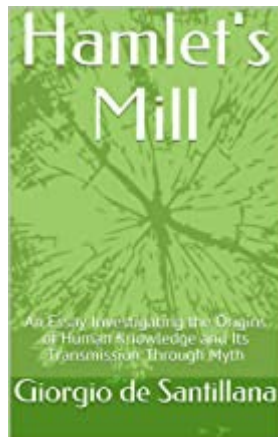
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Is Mysticism Where Science, Art, and
Religion Meet?

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Suggested Reading (continued)

On Growth and Form
by **D'Arcy Wentworth Thompson**
1992



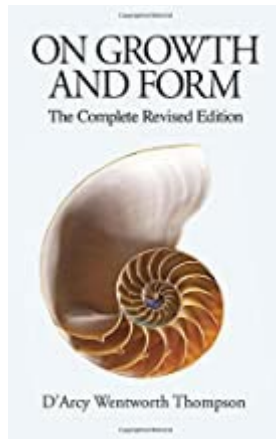
Hamlet's Mill,
By **Giorgio de Santillana and Hertha von Dechend,**
2020

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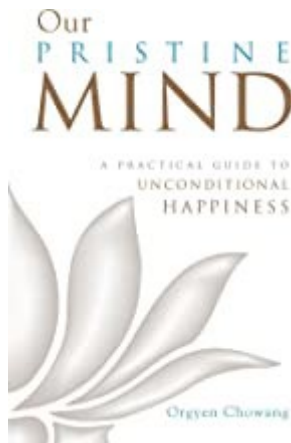
Is Mysticism Where Science, Art, and
Religion Meet?

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Suggested Reading (continued)



The Origin of Consciousness in the Breakdown of the Bicameral Mind by Julian Jaynes, 2000



Our Pristine Mind: A Practical Guide to Unconditional Happiness, Orgyen Chowang, 2016



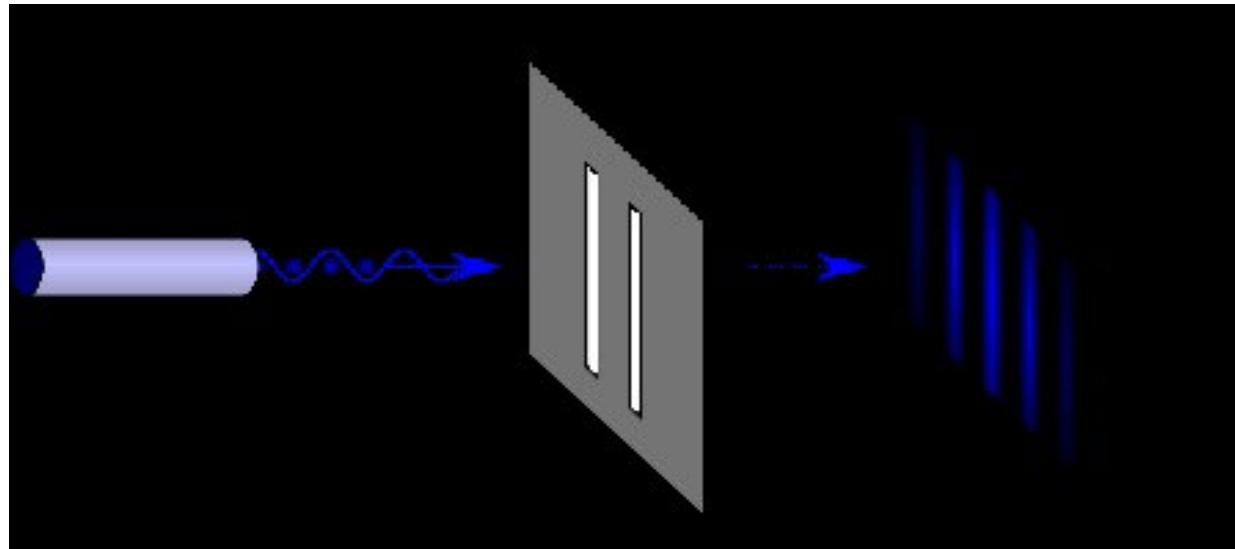
Mysticism in Science

Electron Double Slit Experiment

Single slit—electron passes through as a particle

Double slit—electron passes through both as a wave

<https://www.youtube.com/watch?v=Q1YqgPAzho>



What Really Happens In the Double Slit Experiment



- Ronald Cowen (1941-2019) Buddhist, clairvoyant in microcosm
- An electron is a torus
- The torus is covered with information blocks (both algorithms and data)
- The information regularly scans in compactified dimensions that travel at faster than the speed of light
- When the electron detects a single slit, it behaves as a particle
- When the electron detects a double slit, it behaves as a wave
- All of this follows a path of least action

Mysticism in Mathematics- Study of Symmetry Results in Finding No Symmetry/Sporadic Symmetry



Mathematicians study symmetry via group theory

Killing, Lie, Cartan showed large classes of symmetry

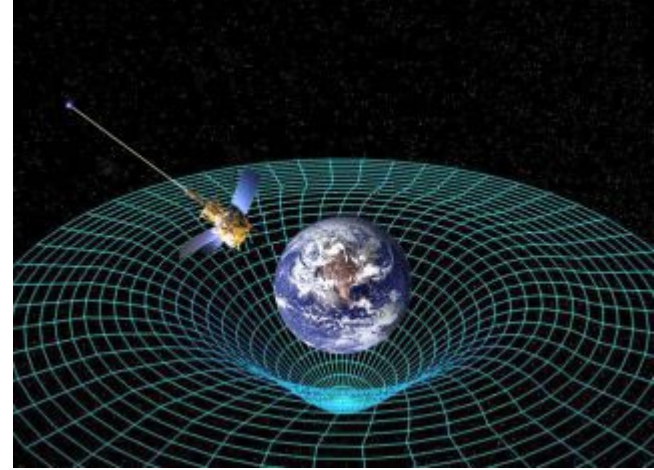
However, they uncovered five exceptional groups tied to octonions

A century later using computers, all symmetries uncovered

However there are now sporadic groups, including the Monster

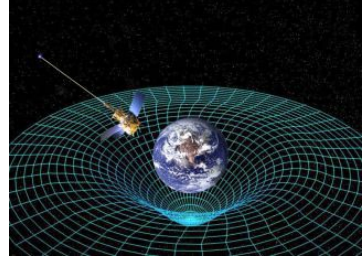
<https://www.3blue1brown.com/lessons/groups-and-monsters>

Setting the Stage: More Dimensions!



- 1916 Albert Einstein Publishes General Theory of Relativity
 - 1919 Kaluza: five dimension extension
 - 1926 Oskar Klein: compactified dimensions
 - 1954 Eugenio Calabi hypothesizes new manifold
 - 1979 Shing-Tung Yau proves manifold exists
- 1962 Richard Feynman Caltech Lectures
 - Showed spin-2 graviton is simplest quantum gravity theory
- 1971 Lovelace shows spin-2 graviton exists in 26 dimensional space
 - Basic equations hold for vibrating strings and satisfy symmetry condition

Setting the Stage: More Dimensions!

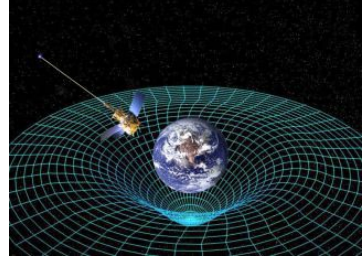


If 5% of the universe comprises matter/energy in three spatial dimensions, then $3/0.05=60$ spatial dimensions are needed for allowing all the matter/energy to vibrate

If we assume that 24 spatial dimensions, broken down into eight subspaces of three real dimensions each, then what if the subspaces vibrate? Octonions are tied to eight entities, so what if each of those subspaces is now vibrating, i.e., what if the three dimensional subspace is itself a vibration?

Remember when we looking at the Standard Model, that the 230 odd particles were actually characterized by vibrational energy, and that the exceptional Lie group E8 has a 248 element Lie algebra, so this suggests all these particles are vibrations or resonances of E8 elements

Setting the Stage: More Dimensions!



Remember the classification of all finite groups, and in particular the finding that there are sporadic groups that do not fall into any discernible category, and in particular there is the Monster Group in 196,882 dimensions with elements

$$246 \cdot 320 \cdot 59 \cdot 76 \cdot 112 \cdot 133 \cdot 17 \cdot 19 \cdot 23 \cdot 29 \cdot 31 \cdot 41 \cdot 47 \cdot 59 \cdot 71$$

$$= 808,017,424,794,512,875,886,459,904,961,710,757,005,754,368,000,000,000$$

$$\approx 8 \times 10^{53}$$

This permits movement between dimensions using lower or higher vibrational frequencies: the dimensions themselves are vibrations!

The octonion vibrations lead to the vibrations of the eight subspaces of three real dimensions. The Monster group vibrations lead to many more dimensions.

Where Are We Going: A Picture



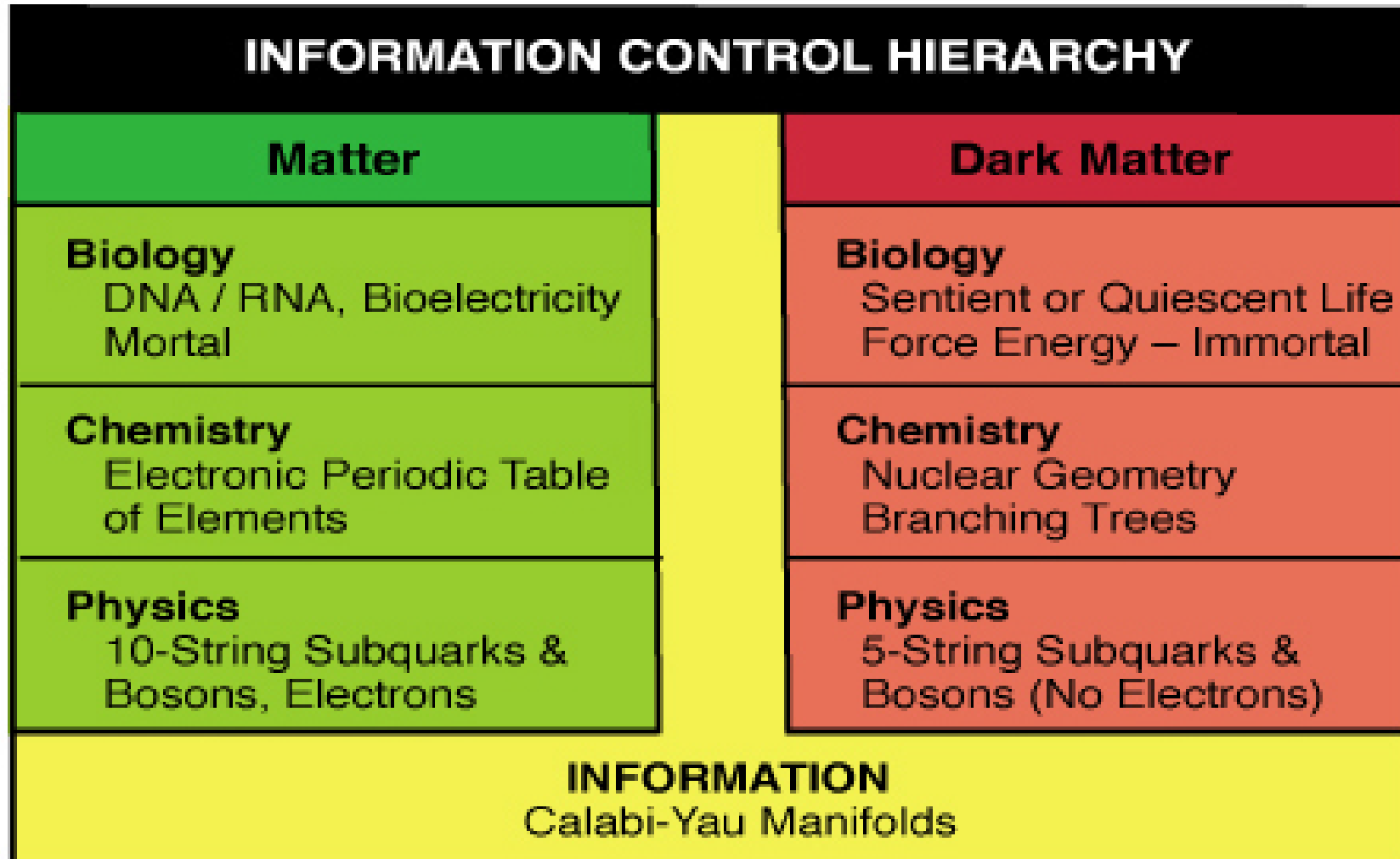
26 REAL DIMENSIONAL SYMPLECTIC¹ UNIVERSE	
10 Matter Dimensions	10 Dark Matter Dimensions
Space-Time 4 Dimensions (x,y,z,ict²)	Space-Time 4 Dimensions $i * (x,y,z,ict) = (ix,iy,iz,-ct)$
Symplectic Calabi-Yau Manifold 6 Compactified Dimensions 3 Holes – Genus 3 Hodge Diamond (9,11,6,7)	Symplectic Calabi-Yau Manifold 6 Compactified Dimensions 4 Holes – Genus 4 Hodge Diamond (17,12,21,12)
Symplectic Calabi-Yau Manifold 6 Synchronizing Compactified Dimensions 8 Holes – Genus 8 Hodge Diamond (8,23,21,17)	

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¹ Symplectic = real and imaginary pairs.

² ict = $\sqrt{(-1)}$ * speed of light * time.

What Is Science



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Fermions and Bosons

- Fermions are matter particles/subquarks and electrons that can only occupy a single state, and reside in ten dimensions for matter.
- Dark matter subquarks have no charge but are complementary to matter fermions, and occupy a separate ten dimensional subspace.
- Bosons are energy or field particles that can have as many as possible in a given state, and occupy all twenty six real dimensions.

Buddhism Perspective



We are caught up in the now: the past is receding, the future lie

Ngamyal Rinpoche, a Buddhist monk, argues that there is duality and nonduality

Duality is what we experience: our mind/the right temporal lobe of our brain (God spot) resonates with our soul (Jaynes: Bicameral Mind)

Nonduality extends our consciousness from four to ten dimensions and we lose duality or self: enlightenment

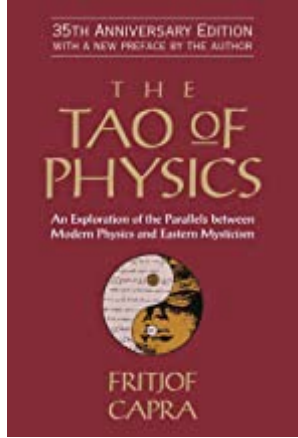
Subject One: Foundations



- What is the problem we deal with here, at the potential intersection of Religion, Science, Art and Mysticism?
- How do we compare statements by scientists and mystics, sometimes from different cultural backgrounds?
- Can the combined works of American Unitarian Founding Father Ralph Waldo Emerson and Swiss Psychologist Carl Gustav Jung provide helpful context for us?
- *Eastern mysticism:* Hinduism, Yoga, Meditation, Buddhism, Taoism, I Ching, Sufism, Egyptian, Gobekli Tepi
- *Western mysticism:* Meditation, Prayer, Christianity (Jesus of Nazareth, St. Francis of Assisi), Kabbalah (Hebrew, Christian, Hermetic), Alchemy, the work of C.G. Jung (Synchronicity; Astrology, etc.) Native American, Aztec, Inca, Mayan, Hopi, etc.
- Mysticism deals with concepts that cannot be expressed verbally, which are beyond language.

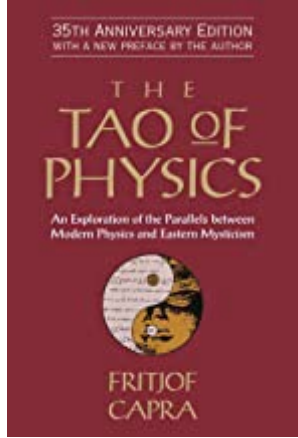
Subject One: Foundations

- Many dismiss the Bible as scientifically inaccurate
 - Separatist models: science addresses what and how, religion why
 - Conflict models: if contradictions arise, science or religion wins
 - Complementary models: little overlap in science and religion
 - Constructive integrative models: the Bible and nature both display words of God, giving testimony to God's



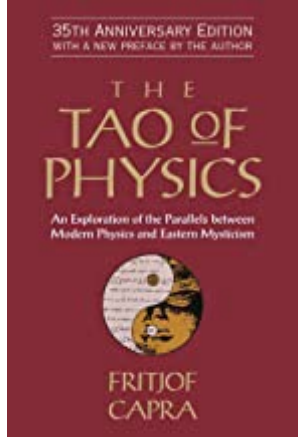
Subject One: Foundations

- Many dismiss the Bible as scientifically inaccurate
 - Different data sources: 66 books in Bible versus growing amount of scientific data in multiple disciplines
 - Isolation of specialization in sciences
 - Intellectual resistance, especially to Genesis 1-11



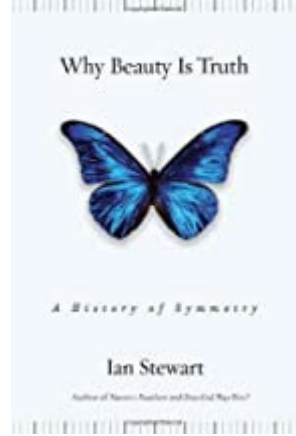
Subject One: Foundations

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Subject Two: Science and Religion

- **Astronomy** (Copernicus, Kepler, Brahe, Galileo, Laplace)
- **Mechanics** (Newton, Lagrange, Hamilton, Poincare)
- **Group Theory/Symmetry** (Galois, Killing, Lie, Cartan, Conway)
- **Electro-magnetism** (Faraday, Maxwell)
- **Quantum mechanics** (Planck, Einstein, Bohr, de Broglie, Heisenberg, Schroedinger, Pauli, Dirac)
- **Relativity** (Lorenz, Einstein, Hawking, Penrose)
- **Information** (von Neumann, Turing, Grenander, van der Linde, Wolfram)
- **Particle physics:** (Feynman, Schwinger, Tomonaga, Gellman, Weinberg, Salam, Higgs, Anderson, Bardeen, Witten)
- **Fundamental ingredients:** space-time and information controlling geometry of space-time





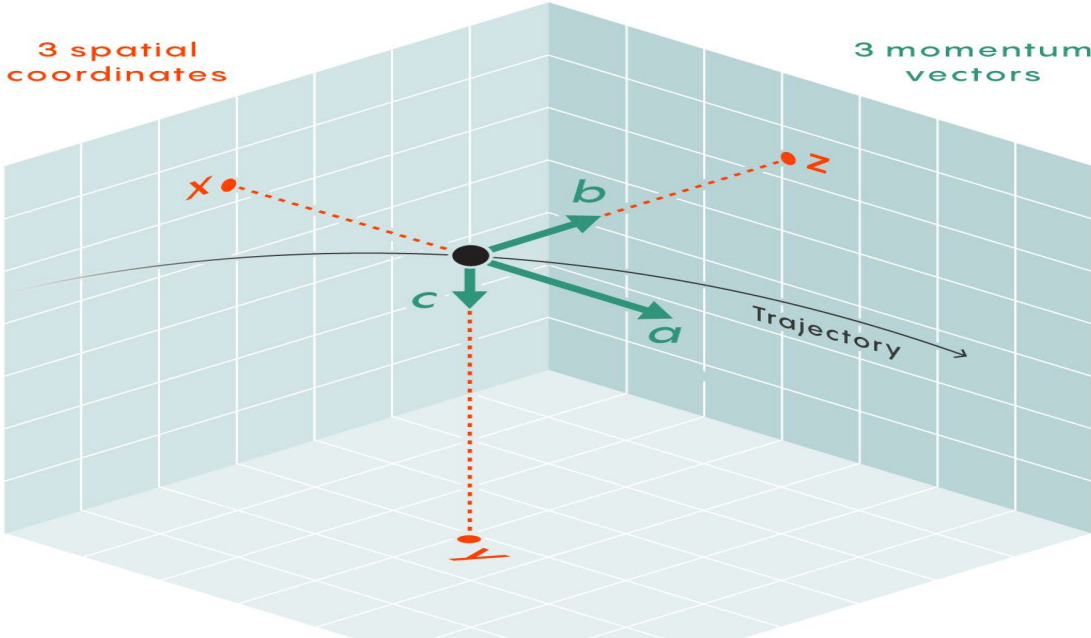
Subject Two: Space Geometry

symplectic geometry

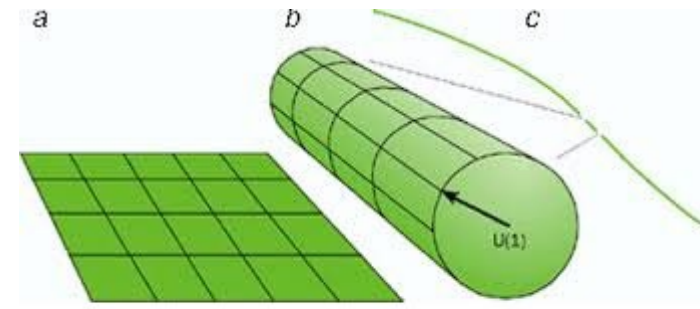
real and imaginary parts: complex dimensions

Building Symplectic Space

At each point in three-dimensional space you can assign three coordinates that specify a particle's position and three more coordinates that specify its momentum. Combine these six coordinates and you get a six-dimensional symplectic space.



Subject Two: Compactified Dimensions



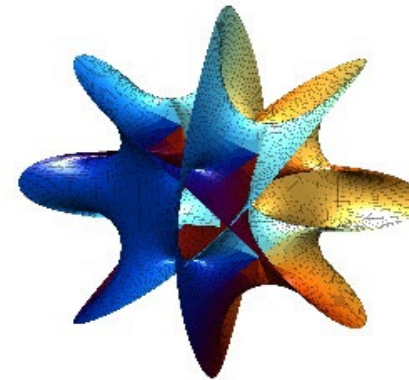
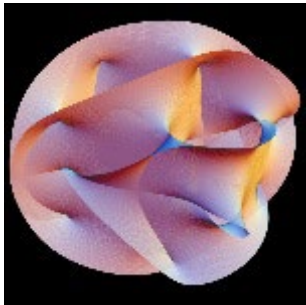
- In April 1919 Theodor Kaluza noticed that when he solved [Albert](#) equations for [general relativity](#) using five dimensions, then [Maxwellian](#) equations for [electromagnetism](#) emerged spontaneously.
- Kaluza wrote to Einstein who, in turn, encouraged him to publish. Kaluza's theory was published in 1921 in a paper, "Zum Unitätsproblem der Physik" with Einstein's support in *Sitzungsberichte Preußische Akademie der Wissenschaften* 966–972 (1921)
- Oskar Klein is credited for inventing the idea, part of [Kaluza–Klein theory](#), that extra [dimensions](#) may be physically real but curled up and very small, an idea essential to [string theory](#) / [M-theory](#).

Subject Two: Calabi-Yau Manifold

Calabi proposed these geometric structures in 1954

Yau proved these geometric structures exist in 1976

http://www.scholarpedia.org/article/Calabi-Yau_manifold#:~:text=Rooted%20in%20his%20attempt%20to,Conjecture.



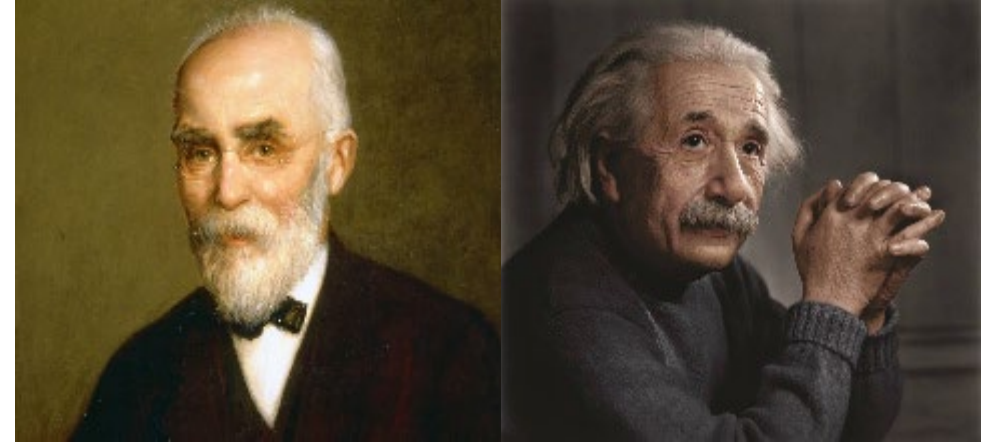
Subject Two: Time

. Time

- We live in the instant of the NOW
- The past is gone
- The future lies ahead
- Only the NOW or present exists
- Time is different from all other dimensions

. Synchronicity

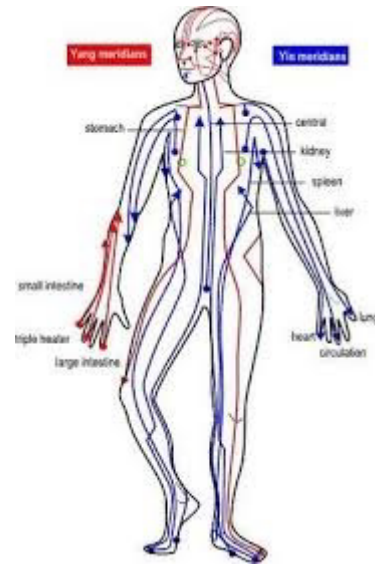
- the simultaneous occurrence of events which appear significantly related but have no discernible causal connection.



Subject Two: Eastern Philosophy

Traditional Chinese Medicine

- Meridians and acupuncture

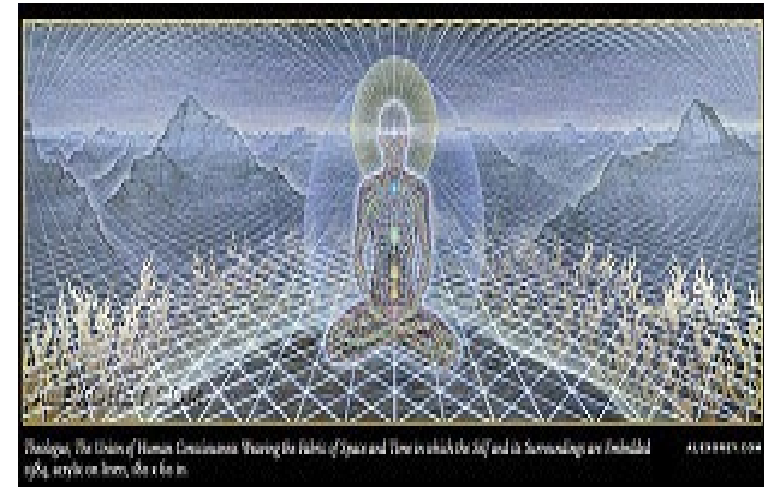


Ayurvedic Tradition

- Chakras

Japanese Tradition

- Reiki-spiritually directed life force
- Pranic healing (Sanskrit origin)



Feng Shui

- Wind-water geomancy

Subject Two: Alchemy

- East: Egypt, China, Veddas, Sumeria
- West: Dante, Paracelsus, Newton, Jung
- Ancient spiritual practice and art form that
 - seeks purification of the soul and immortality,
 - in parallel with the transmutation of chemical elements where gold symbolizes perfection / enlightenment
- Alchemists tried to understand the material basis of the world
 - Turning lead into gold symbolized a spiritual transmutation equivalent to an awakened consciousness, present in all forms (and which created the Universe)

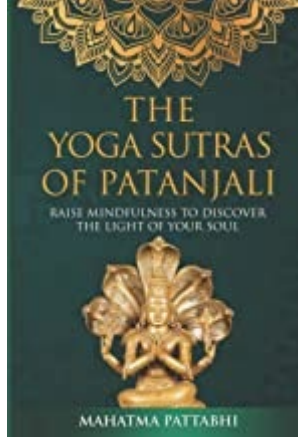


Subject Two: Occult Chemistry



- Annie Besant and Charles Leadbeater carry out occult chemistry studies from 1895-1908 on atomic elements
- This leads to the discovery of the atom being mostly empty space occupied by electrons and a relatively small nucleus
- Some elements have isotopes, with the same number of electrons but a different nucleus
- The nucleus is made up of two levels of subatomic particles: protons and neutrons are made up of quarks, quarks are made up of subquarks
- A new periodic table of elements is constructed based on the subatomic structure of atoms

Subject Two: Yoga Sutras of Patanjali, Book Three



An individual has two parts

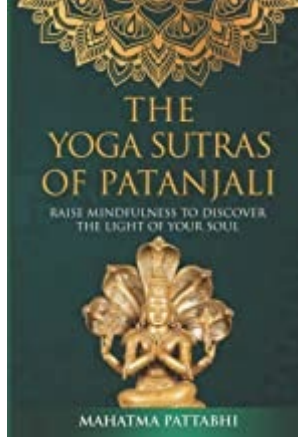
- Innermost part called the seer or true self
- Outer or surface part called the ego mind or illusory self
 - Mind
 - Intelligence
 - Ego

Mastering the ways of the ego mind or knowledge of true self makes pure soul awareness possible

Subject Two: Yoga Sutras of Patanjali, Book Three

Illusory self manifests through

- Valid knowledge (Western science)
- Parody or invalid knowledge (*e.g.*, prejudice, romance, fantasy)
- Words without meaning or substance (*e.g.*, exaggerations)
- Dreamless sleep (no devotion or spiritual awareness)
- Memory of all perceptions, imaginations, thoughts



Where Are We Going: A Picture



26 REAL DIMENSIONAL SYMPLECTIC¹ UNIVERSE	
10 Matter Dimensions	10 Dark Matter Dimensions
Space-Time 4 Dimensions (x,y,z,ict²)	Space-Time 4 Dimensions i * (x,y,z,ict) = (ix,iy,iz,-ct)
Symplectic Calabi-Yau Manifold 6 Compactified Dimensions 3 Holes – Genus 3 Hodge Diamond (9,11,6,7)	Symplectic Calabi-Yau Manifold 6 Compactified Dimensions 4 Holes – Genus 4 Hodge Diamond (17,12,21,12)
Symplectic Calabi-Yau Manifold 6 Synchronizing Compactified Dimensions 8 Holes – Genus 8 Hodge Diamond (8,23,21,17)	

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¹ Symplectic = real and imaginary pairs.

² ict = $\sqrt{-1}$ * speed of light * time.

Subject Three: Emerson

- **1838 Divinity School Address**

- The teachings of Jesus of Nazareth are fundamental
- The administration and ritual of church are not fundamental

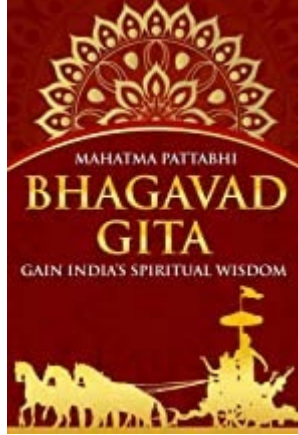
- **Bhagavad Gita**

- The Meeting of East and West
- Who Inherits the Mantles of These Crossing Stars
- The Turning of Emerson
- The Song of God in America
- Who is Krishna?
- The Tradition of Conscience – Needed more now than ever before.



Subject Three:

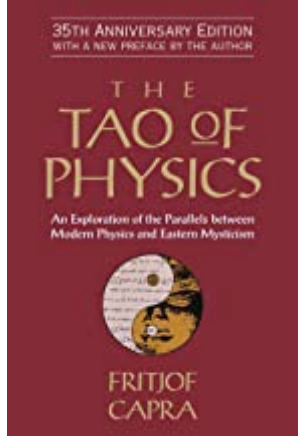
Space and Time, Bhagavad-Gita



- An infinite, unchanging reality exists hidden behind the illusion of ceaseless change.
- This infinite, unchanging reality lies at the core of every being and is the substratum of the personality.
- Life has one main purpose: to experience this one reality-to discover God while living on Earth.
- The soul is eternal, not subject to life and death, traveling from body to body; just as death is certain for the living, rebirth is certain for the dead.
- Prince Arjuna on the eve of combat talking to his charioteer, Krishna, the source and final outcome of all things; Time itself, Bhagavad-Gita.
- “Now I am become death, the destroyer of worlds” attributed to Robert Oppenheimer as he watched the Los Alamos atomic bomb test on July 16, 1945.

Subject Four: Mysticism East and West

- Walt Whitman
- Emily Dickinson
- *The Tao of Physics* (cf *The Dancing Wu Li Masters: An Overview of the New Physics*)
- *The I Ching* / C.G. Jung's Foreword (*Experiential, participatory segment*)
- Buddhist Meditation <https://www.youtube.com/watch?v=m6PZqX1mA74>
- *Yoga Sutras of Patanjali*: excerpt from Book III
- *What is Kabbalah?* <http://www.smphillips.mysite.com/the-tree-of-life.html>
- *Gnosticism and The Lost Gospels:*



Subject Five: C.G.Jung and Archetypes

Wikipedia: C.G.Jung

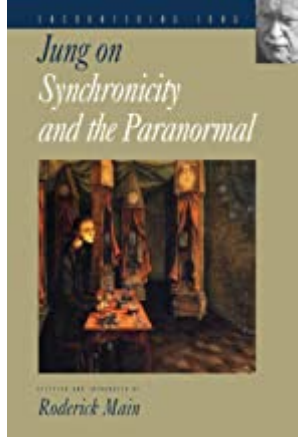
Complex, Extraversion and Introversion

Archetypes, archetypal images, mythology

- Persona, Shadow, Ego, Collective Unconscious
- Anima/Animus, Self Individuation
- Gnosticism and Jung: The Nag Hammadi Library
- Readings
 - Liber Novus (The Red Book)
 - Aion, Researches into Phenomenology of Self

Subject Six: Jung and Synchronicity

- Wolfgang Pauli and C.G. Jung
 - Pauli approached Jung to gain different perspective on the world
 - 89 correspondences from 1932-1958
 - Pauli shared 1300 dreams with Jung
- Jung, Ira Progoff, Robert Hopcke, Liz Greene
- Divination: I Ching; Tarot (Hermetic Kabbalah)
- Jung and Astrology
- Tarot: Paul Foster Case, Aliester Crowley (incl. 777), etc.
- Synchronicity via Information Transport in Compactified Dimensions



Subject Seven: Astronomy, Cosmology, Astrology



- Astronomy: planets, moons, stars, nebulae, clusters, galaxies
- Cosmology: Big Bounce vs. Big Bang
 - <https://www.quantamagazine.org/big-bounce-models-reignite-big-bang-debate-20180131/>,
<https://www.quantamagazine.org/big-bounce-simulations-challenge-the-big-bang-20200804/>
- Astrology
- History – Required study in church-run medieval universities, *e.g.*, Dante, Paracelsus
- Gobekli Tepe
 - <https://www.youtube.com/watch?v=J6t-DwaQFd8>
 - https://en.wikipedia.org/wiki/G%C3%B6bekli_Tepe

Subject Seven: Astronomy, Cosmology, Astrology



- *Hamlet's Mill* by Giorgio de Santillana and Hertha Von Dechend
- Gauquelin Statistical Analysis of Astrology
- Lois Rodden: Astrological Data Analysis
- **Jung and Astrology**, Liz Greene (incl. *Jung on Astrology*)
- What: Planets, How: Signs, Where: Houses, Why: Interpretation vs. Prediction
- Natal chart: Time of birth to minute, date, place, and ephemeris

Hindu Astrology

Jyotiṣa is one of the Vedāṅga, the six auxiliary disciplines used to support Vedic rituals.

Early jyotiṣa is concerned with the preparation of a calendar to determine dates for sacrificial rituals, with nothing written regarding planets.

There are mentions of eclipse-causing "demons" in the Atharvaveda and Chāndogya Upaniṣad, the latter mentioning Rāhu (a shadow entity believed responsible for eclipses and meteors).

The term graha, which is now taken to mean planet, originally meant demon.

The Ṛigveda also mentions an eclipse-causing demon, Svarbhānu, however the specific term graha was not applied to Svarbhānu until the later Mahābhārata and Rāmāyaṇa.

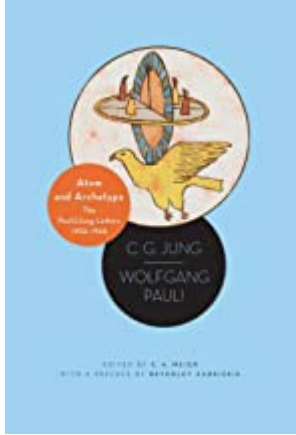
Hindu Astrology

The foundation of Hindu astrology is the notion of bandhu of the Vedas (scriptures), which is the connection between the microcosm and the macrocosm.

Practice relies primarily on the sidereal zodiac, which differs from the tropical zodiac used in Western (Hellenistic) astrology in that an ayanāṃśa adjustment is made for the gradual precession of the vernal equinox.

Hindu astrology includes several nuanced sub-systems of interpretation and prediction with elements not found in Hellenistic astrology, such as its system of lunar mansions (Nakṣatra). It was only after the transmission of Hellenistic astrology that the order of planets in India was fixed in that of the seven-day week. Source: Wikipedia

Subject Eight: Pauli and Jung



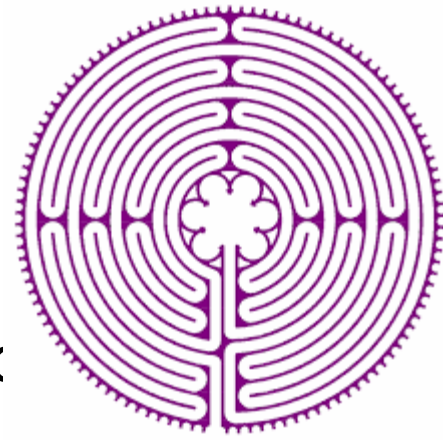
- **The 89 Letters 1932–1958**
- <https://www.brainpickings.org/2017/03/09/atom-and-archetype-pauli-jung/>
- **Background of Physicist Wolfgang Pauli (1945 Nobel Prize, etc.)**
 - [http://library.cern/archives/Pauli_archive/biography#:~:text=Wolfgang%20Pauli%20was%20born%20in,Arnold%20Sommerfeld\)%20\(5\).](http://library.cern/archives/Pauli_archive/biography#:~:text=Wolfgang%20Pauli%20was%20born%20in,Arnold%20Sommerfeld)%20(5).)
 - Exclusion principle in quantum mechanics, uncertainty principle
 - Prediction of neutrino
 - Duality of particles and waves and observer impact on metrology

Subject Nine: Sacred Activism, Walking Meditation, Labyrinth



- <https://en.wikipedia.org/wiki/Labyrinth>
- <https://www.youtube.com/watch?v=mJDcGQakKoU>
- Chartres Cathedral and Sacred Geometry:
- <https://crusaderhistory.wordpress.com/2017/10/21/chartres-cathedral-sacred-geometry/>
- History and origins: Why walk it
- Labyrinths and similar structures around the globe: Chartres, Stonehenge, Carnac, the Grange what you received and learned.

Subject Nine: Sacred Activism, Walking Meditation, Labyrinth



- **Relax:** The labyrinth is not a maze, that is, a puzzle designed to confuse you into losing your way. Labyrinths have no tricks or dead ends. It is a walking meditation.
- Everyone's experience is unique, but a walk often has three stages:
 - **Releasing:** on the way in, allow yourself to let go of daily preoccupations
 - **Receiving:** in the center, allow yourself to enter the moment, receive inner peace
 - **Returning:** on the way out, you may integrate what you received and learned.

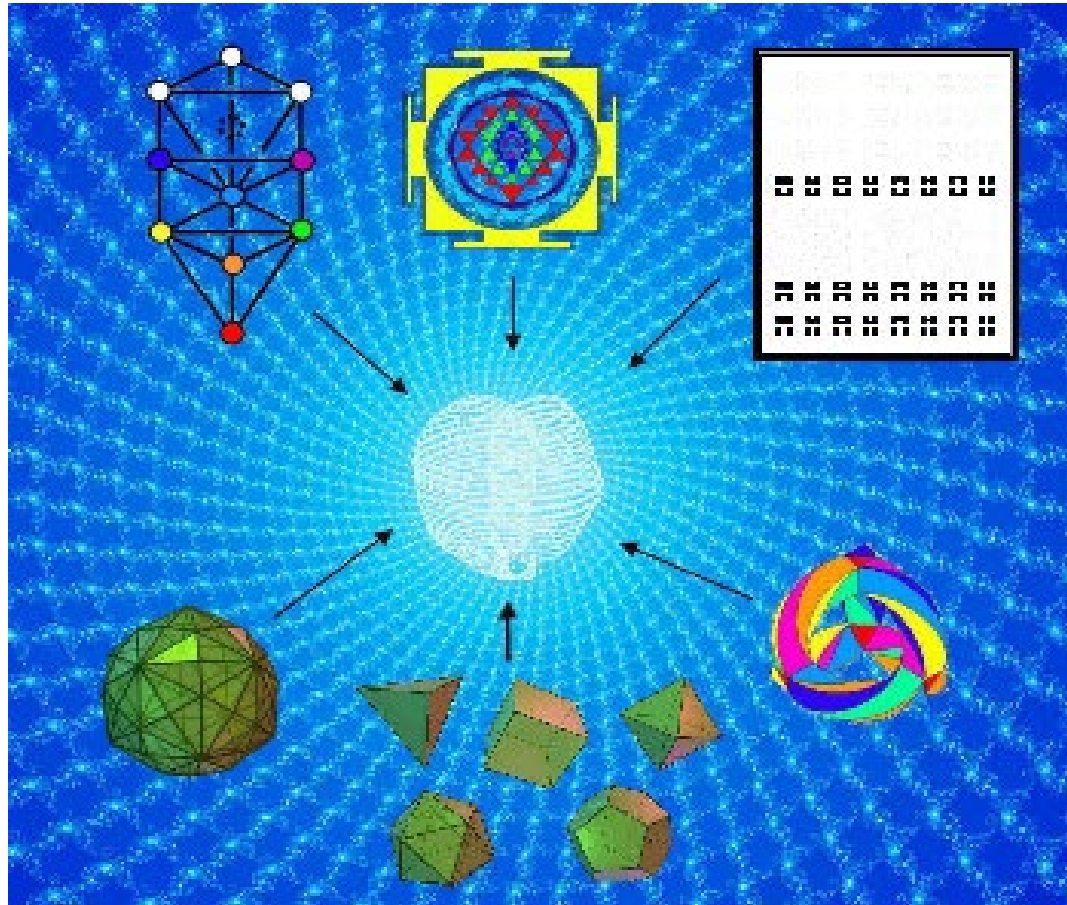


Subject Ten: Conclusion / Summary

- The Unity of All Things (**The Theory of Everything**, revisited)
- Beyond the World of Opposites
- Space-Time and the Dynamic Universe
- Emptiness and Form
- The Cosmic Dance
- Neutrinos, Electrons, Subquarks, Strings and Bosons
- Patterns of Change
- ***The Unification of Physics*** (2014) by Fritjof Capra
- Sacred Geometry Linkages

Sacred Geometry (S.M. Phillips)

<http://www.smphillips.mysite.com/>



- Top Left: Tree of Life from Kabbalah
- Top Middle: Sri Yantra from Hinduism
- Top Right: I Ching Hexagram Table (China)
- Middle: Subquark with Ten Heterotic Strings
- Bottom Left: Icosahedron
- Bottom Middle: Platonic Solids
- Bottom Right: Three Tori (Cartesian product of three circles)

Conclusion: David Bohm

