

William Blake

&

Buckminster Fuller

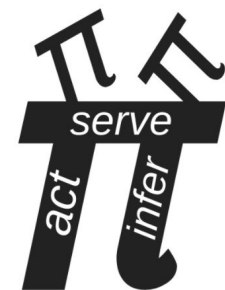
Lives in Juxtaposition // A study in Comprehensivity

Presented for 52 Living Ideas

January 8, 2023

Daniel A. Friedman

daf.omg.lol



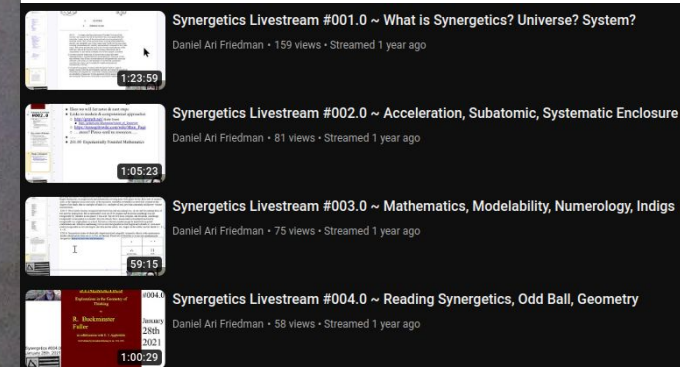
Roadmap

of
slides

- ① Context
- ① Comprehensivity
- ② Blake & Fuller in juxtaposition
- ① Conclusion
- ① Discussion

Context

Synergetics Livestreams
[Playlist](#) of 16 videos (so far)
Deep readings & related topics
to the text of Synergetics



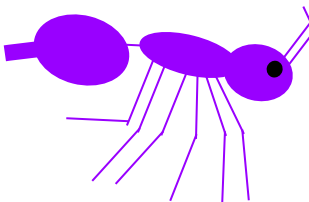
Some online resources And many other voices: past, present, and future

Blake

- Blake Archive blakearchive.org/
- Blake Quarterly <https://blakequarterly.org/>
- The Complete Poetry and Prose of William, Erdman <https://blake.lib.asu.edu/html/home.html>
- William Blake: Religion and Psychology <http://ramhornd.blogspot.com/>

Fuller

- BFI bfi.org/
- CJ Fearnley cjfearnley.com/
- Trintab Reading Group groups.google.com/g/trintab-book-club
- Kirby Urner grunch.net/4dsolutions/kirby.html and github.com/4dsolutions
- Curt McNamara mcadsustainabledesign.com/profile/curt-mcnamara/
- RW Gray rwgrayprojects.com/synergetics/synergetics.html
- Struppi Pohl youtube.com/@HailelSela

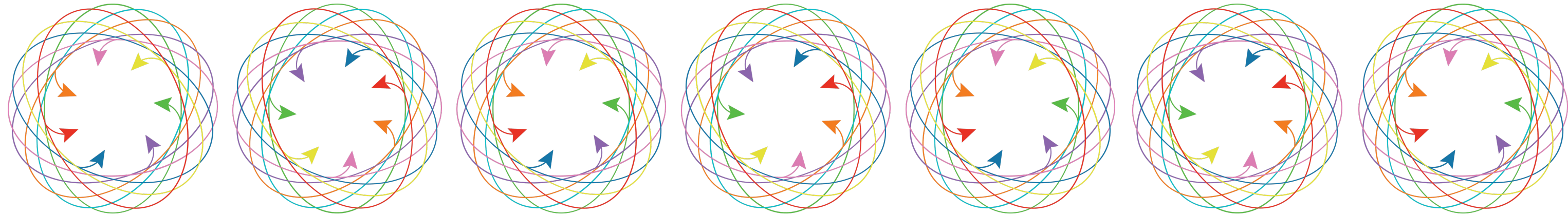


Epistemic status & an Invitation:

- This presentation is a draft linearized snapshot perspective, as presented by one volunteer forager on a given day
- The work is ongoing and long-term; I welcome those with interest to connect and collaborate on.....
 - Developing these juxtapositions alongside traditional and emerging practices of “Inquiry and Action”
 - Connect with the lives & ideas of: Kandinsky, Goethe, Sri Aurobindo, Krishnamurti, Friston, others
 - Ontologies for Fuller/Synergetics and Blake, integrating with Active Inference Ontology, others
 - Connections with multimedia, philosophical, analytical, mathematical, practical systems

Comprehensivity

- Today with our intention and attention, we aim towards the strangely-attracting heart of Comprehensivity
- Comprehensivity is something that will unfold through our participation and engagement across multiple scales
- We can explore this more in the Discussion section (and in hundreds of upcoming meetings, and times between)



From “*Collaborating for Comprehensivity*” cjfearnley.com/CfC/#ANewTradition

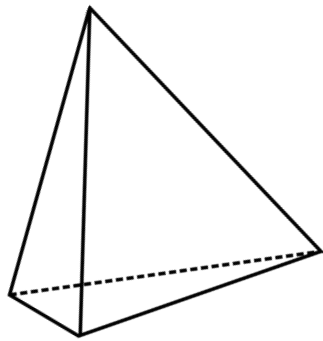
- **Comprehensivity** is our ability to comprehend our worlds broadly and deeply.
- It is a faculty in questioning, conceptualizing, interpreting, and acting to build a multi-perspectival yet integrated **understanding** of the world, how it works, and how it changes.
- It is the quality of our lives that shapes all we have learned **in breadth for context** and all we have learned **in depth for clarity** to form, as **Buckminster Fuller** put it, "adequately macro-comprehensive and micro-incisive" considerations to better engage our worlds and its peoples with understanding and effectiveness.
- It implies developing a large set of subjects about which one can effectively inquire, contextualize, interpret & assess, and creatively re-imagine and re-combine for **meaningful insights** and the forging of **new possibilities**.
- It entails developing a faculty for helping self and others build a broad range of interests and concerns, comprehensive knowledge, and skills, that is, a faculty for comprehensivity awareness and competency.
- It involves recognizing its inherent pathologies including analysis paralysis (an endless accumulation of information), value paralysis (an unrestrained accommodation of everyone's values), and the paralysis of wholism (an unlimited expansion of the whole). **So it requires cultivating judgment to stay incisively relevant.**

Blake

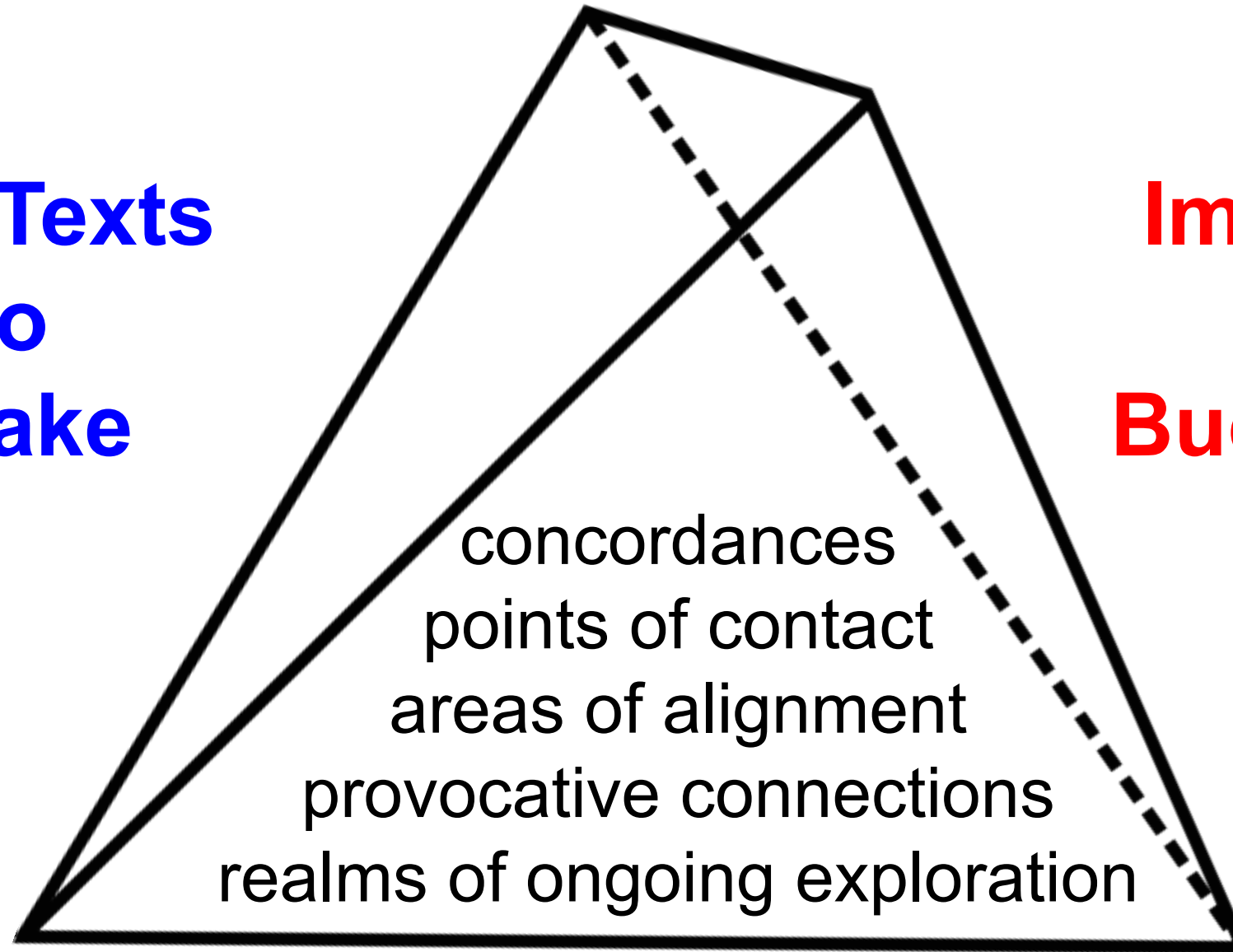
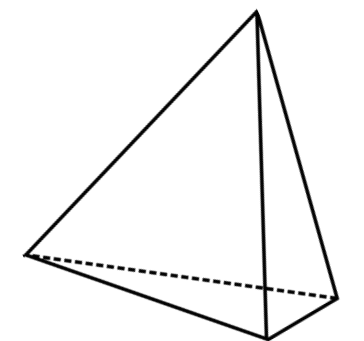
Juxtaposition

Fuller

Images and Texts
related to
William Blake



Images and Texts
related to
Buckminster Fuller



**What depth of field do we gain through juxtaposition?
What is it to ride a bicycle? (Not just two unicycles)
What is Unity & Why is it “at minimum two”?**

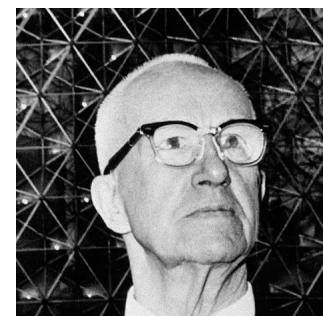
Blake



1757

1827

Life & Times



1895

1983

Fuller

1700

1800

1900

2000

- Born in Soho, London, England
- Spent 3 years in Felpham (Sussex). Otherwise, life was in London

- Married with Catherine Boucher in 1782 when he was 25, lifelong relationship
- Catherine once wrote "I have very little of Mr Blake's company. He is always in Paradise."
- The Blakes did not have children

The Blakes' strange leisure activities live on through an anecdote told by the Blakes' friend Thomas Butts. When he came to visit the Blakes in their small summer house at Lambeth, Butts was stunned to see . . . the Blakes completely naked. But Blake was unfazed: "Come in!" Blake purportedly cried. "It's only Adam and Eve, you know!" The Blakes were simply reciting *Paradise Lost*, in character.

- Early inclination for the Arts
- Age 10-14, classical drawing training
- Developed engraving and other craft skills
- Diligent, prolific, eccentric aesthetic production
- Humble & challenging life of exhibitions, patronage

Location

Family

Times

- Born in Milton, Massachusetts, USA
- Well-documented travels around "Spaceship Earth" by land, sea, air, and mind

- Married with Anne Hewlett in 1917 when he was 22, lifelong relationship
- Daughter: Alexandra (1918-1922)
- Daughter: Allegra (1927-2021)

Mr. Fuller once observed: "When two people as diametrically different as Anne and I get married, it either cracks up right away, or it turns out to be fantastically good - the way it has been for us."

- Early life was in School, US Navy, other work
- At 32: Transformative experience "Guinea Pig B"
- Used a life-long Chronofile as archive
- Extravagant life (in sense of Thoreau, *Walden*:

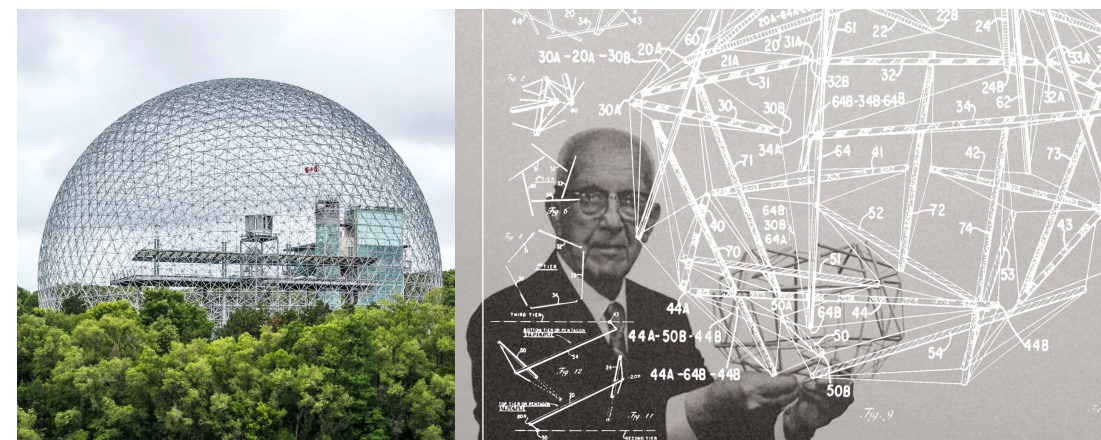
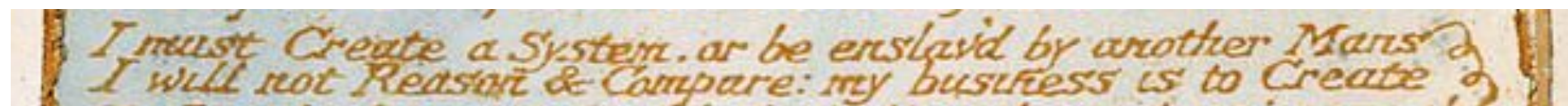
"I fear chiefly lest my expression may not be extravagant enough, may not wander far enough beyond the narrow limits of my daily experience, so as to be adequate to the truth of which I have been convinced. Extra vagance! it depends on how you are yarded.")

Jerusalem The Emanation of The Giant Albion, plate 10:

- I must create a system or be enslaved by another man's;
- I will not reason and compare: my business is to create.

Sought independence through insight (inquiry) and creation (action), in lifelong development

“You never change things by fighting the existing reality. To change something, build a new model that makes the existing model obsolete.”



- Music (spontaneous and unrecorded)
- Visual media methods
 - Drawings
 - Woodcut
 - Relief etching (called “illuminated printing”, “Infernal Method”), [link](#), 2

Exhibited craft, skill, and commitment, and (reckless) professionalism across forms, genres, and communities

- Paradigms, Themes, Memes:
 - Synergetics & Tensegrity
 - 4D TIMELOCK
 - Anticipatory Design Science
 - Dymaxion
 - Geodesic architecture
- Patents ([BFI link](#))
- New words
- Processes & Constructions
 - Industrial
 - Physical Tools
 - Housing and Livingry
 - Cars and Transportation
 - Communications and Intelligence systems and architectures

- Books
- Poems
- Stories
- Myths and Mythologies
- Marginal annotations
- Diverse Visual Arts
- Written and spoken work
- Mass & personal communications
- Long-term Relationships
- Physical spaces (workshop, classroom, domestic)

he used an acid-resistant liquid and drew and wrote, composing directly onto the copperplate (with brushes and a quill pen). When the acid-resistant liquid dried and hardened, the plate would be exposed to acid which etched away the uncovered parts of the copper. Because printing always reverses the design, the text had to be written backwards, and slanted appropriately, in order to appear the right way round when printed....The evolution in Blake's approach to illuminated printing that accompanied this change has been described as a shift from the idea of 'print-as-page' to 'print-as-painting'.

First the notion that man has a body distinct from his soul is to be expunged: this I shall do by printing in the infernal method by corrosives, which in Hell are salutary and medicinal, melting apparent surfaces away and displaying the infinite which was hid.

The Marriage of Heaven and Hell

Blake

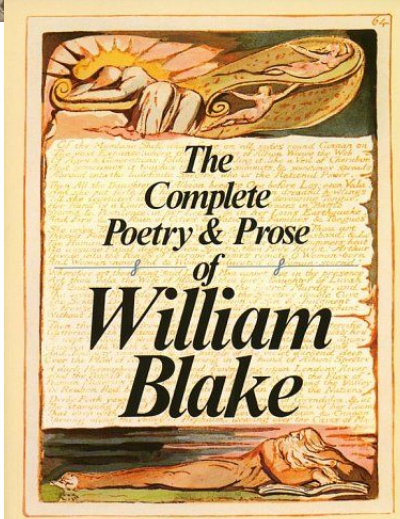
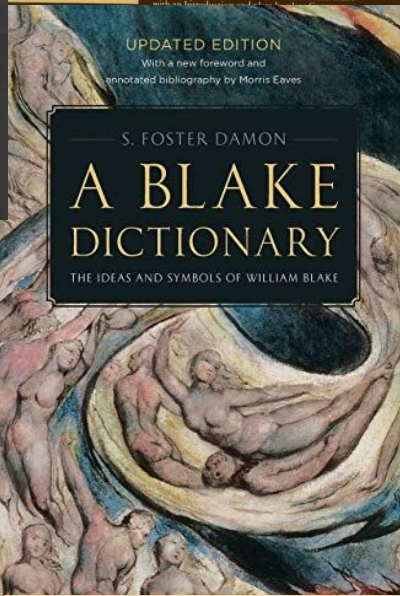
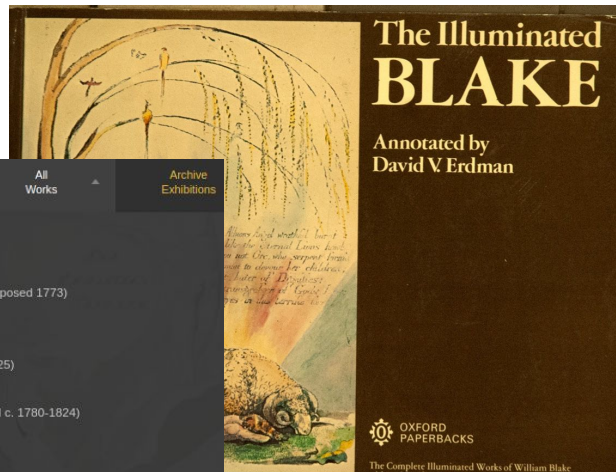
Deep Generativity

Fuller

THE WILLIAM BLAKE ARCHIVE

<https://www.blakearchive.org/>

The screenshot shows the William Blake Archive website. At the top, there are navigation tabs: Illuminated Books, Commercial Book Illustrations, Separate Prints and Prints in Series, Drawings and Paintings, Manuscripts and Typographic Works, Works in Preview, All Works, and Archive Exhibitions. Below the tabs, there are two columns of work titles. The left column is titled 'In Alphabetical Order' and lists works like 'Accusers of Theft Adultery Murder, The (Composed 1793)'. The right column is titled 'In Order of Composition Date' and lists works like 'Poetical Sketches (Composed c. 1769-77)'. At the bottom of the page, there is a navigation bar with links for ISSUES, INDEX, SUBSCRIBE, SUBMIT, BLOG, and ABOUT.



The **Dymaxion Chronofile**: The Most Documented Life in History ([Wired](#))

Fuller's Chronofile contains over 140,000 pieces of paper, as well as 64,000 feet of film, 1,500 hours of audio tape, and 300 hours of video recordings. The Chronofile is cross-referenced alphabetically using 13,500 5x8 inch index cards. Photos from Fuller's childhood from age four were added retrospectively ([Wiki](#)).

INVENTOR OF THE FUTURE
THE VISIONARY LIFE OF BUCKMINSTER FULLER



Books by Fuller



Books About Fuller



Articles by Fuller

BFI Bibliography



Articles About Fuller



Introductions, Forewords, and Contributions



Patents

[Grunch.net](#)

LINKS

[Site Map](#)
powered by [FreeFram](#)

Click on the logo at left for a site map (includes [Oregon Curriculum Network](#))



[Synergetics](#) by R. Buckminster Fuller
Thanks to [Robert Gray](#), long time Fuller scholar, and E.J. Applewhite, Fuller's chief collaborator on *Synergetics*, plus a green light from the Estate of Buckminster Fuller ([EBF](#)), we now have the full text of both volumes, plus the graphics, on the web. Chris Fearley has set up a [mirror](#) at SNEC.



[A Fuller Explanation](#) by Amy Edmondson
Amy's book was the first book-length exploration of Fuller's geometry of thinking.

[SYNERGETICS DICTIONARY ONLINE](#)
The Mind of Buckminster Fuller

R. Buckminster Fuller
Compiled and Edited by E. J. Applewhite

First published in book form by Garland Publishing, Inc. New York and London 1986

The original content of the Synergetics Dictionary is copyright 1986, 2008, The Estate of R. Buckminster Fuller & The Estate of E.J. Applewhite. All Rights Reserved. Used by Permission.

Index

<https://blakequarterly.org/>

Below is the index of [articles](#) and [reviews](#) for the journal from its founding in 1967 to the present. Articles and reviews from the last five years are available to subscribers, whether individual or through an institution; those from more than five years ago are free to all. For more information on purchasing a single article published within the last five years as a non-subscriber, see the [instructions](#).

This index was last updated in October 2022.

Personal
Historical
Mythological
Allegorical
Symbolic

Articles
Go to: [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#)

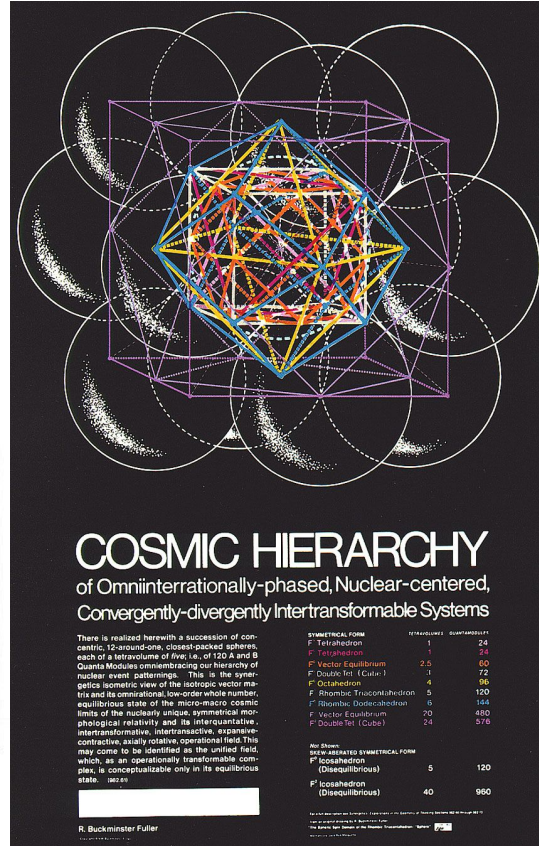
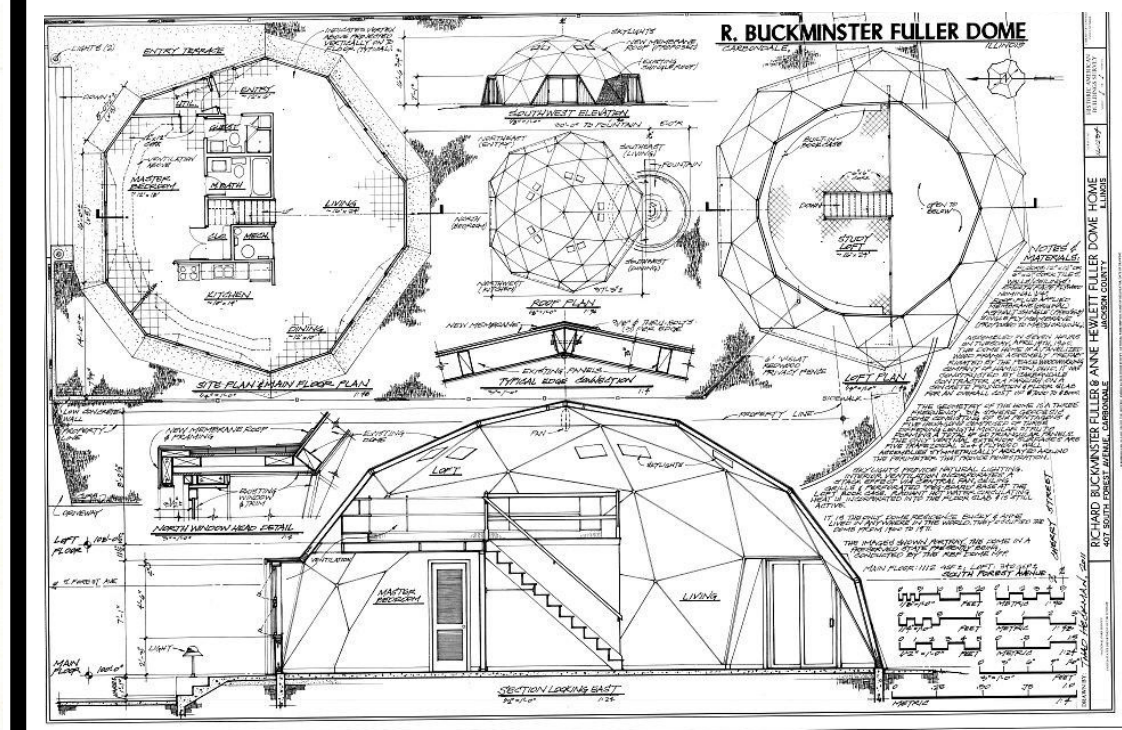
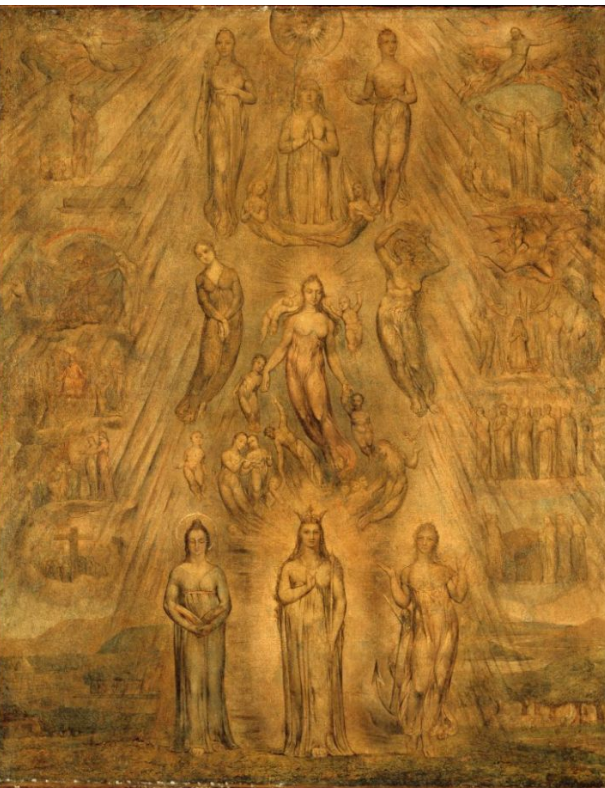
| Author | Title | Volume | Year | Pages |
|------------------|---|--------|----------------|--------|
| Abley, Mark | See Bentley, G. E., Jr., and Mark Abley | | | |
| Ackland, Michael | The Embattled Sexes: Blake's Debt to Wollstonecraft in <i>The Four Zoas</i> | 16.3 | winter 1982-83 | 172-83 |
| Adams, Hazard | Must a Poem Be a Perfect Unity? | 21.2 | fall 1987 | 74-77 |
| Adlard, John | The Age and Virginity of Lyca | 6.3 | winter 1972-73 | 73 |

William Blake and Systems Theory The Attempted Unification of History and Psychology by Challie Facemire [Link](#) (2012)

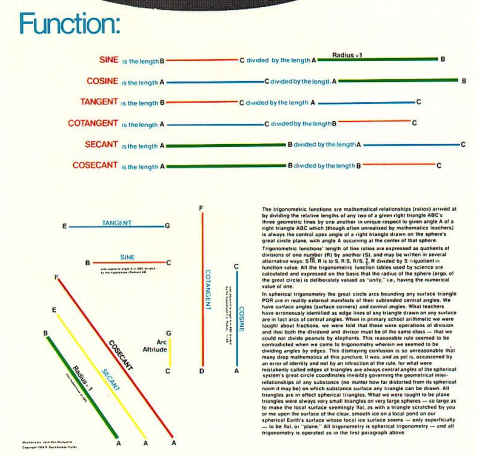
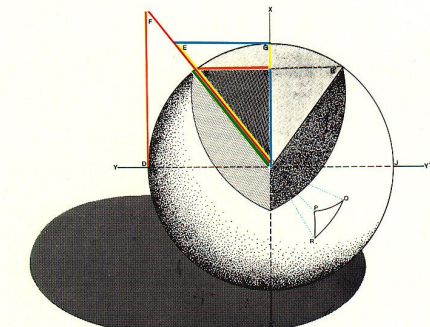
Blake

Full Page Creativity

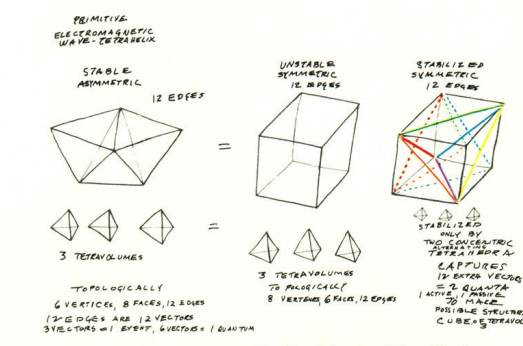
Fuller



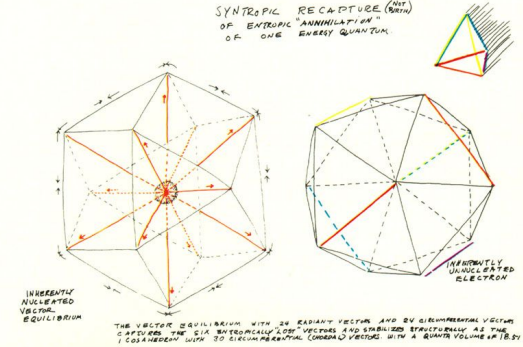
CONCEPTUALITY OF TRIGONOMETRIC FUNCTIONS OF ANGLE 'A' AS EXPUNDED IN SYNERGETICS



But There It Is Again Quantum Recovered in the Cube



Quantum Recovered in the Vector Equilibrium



Blake

Children & Education

Fuller

Highlighted accessibility for children (in age & in spirit) and all kinds of learners

- Blake certainly had a wonderfully tender heart for children.
- He was a **peerless child advocate** who, through his poetry and visual art, called for his fellow Englishmen to see and respond to the the plight of children forced to work long, grueling, hazardous hours providing virtual slave labor to unscrupulous businessmen.
- Among major writers, perhaps only Charles Dickens rivals Blake as an illustrator of the plight of orphans and street urchins.
- No great poet ever wrote more compassionately (or more frequently) about children than William Blake.

From [The HyperTexts](#)

“An educational revolution is upon us.”
“Every Child Is Born a Genius” ([link](#))

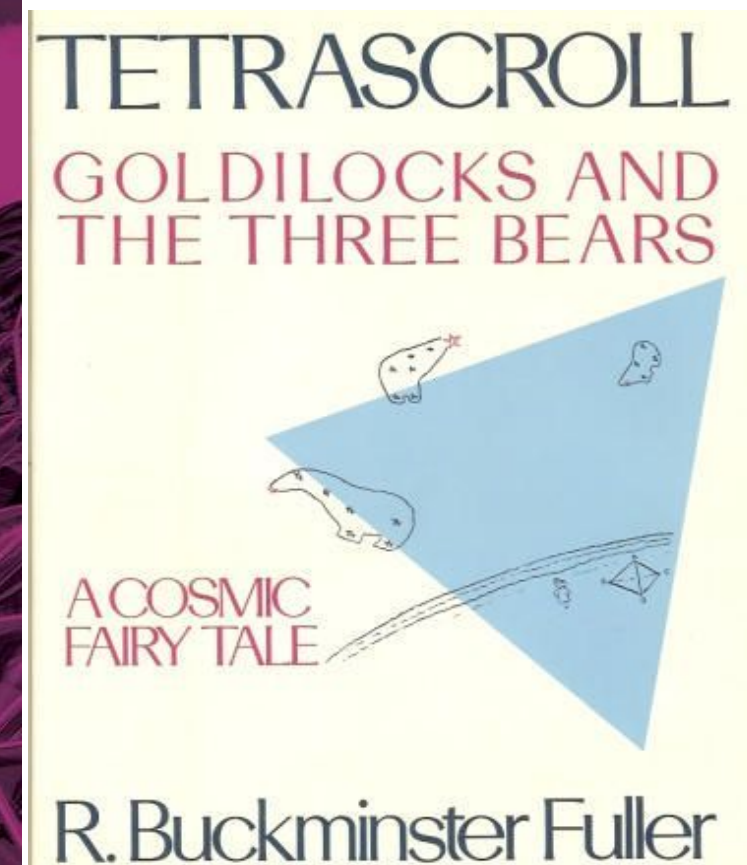
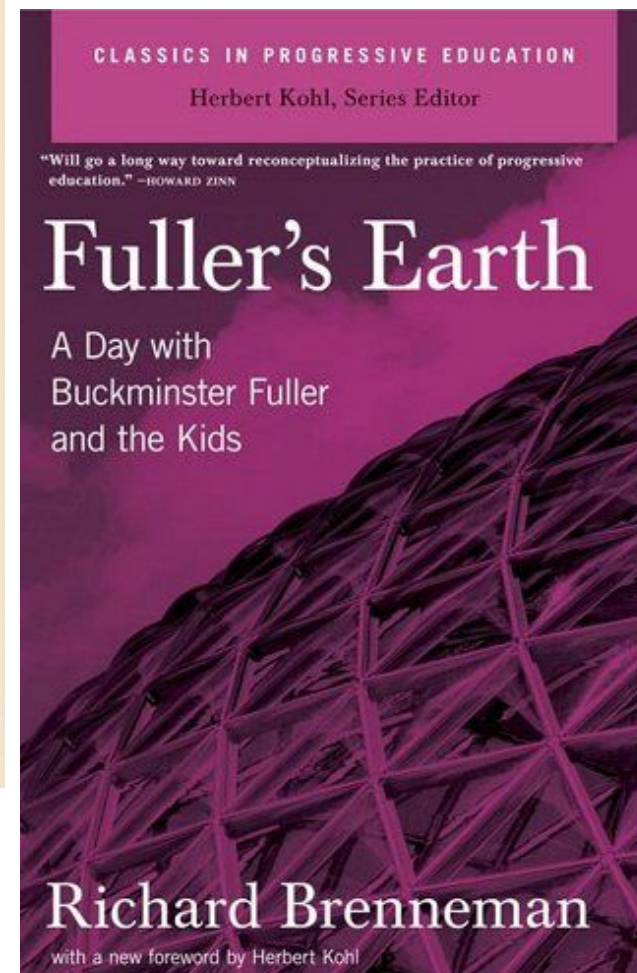
I observe that every child demonstrates a comprehensive curiosity. Children are interested in everything and are forever embarrassing their specialized parents by the wholeness of their interests.

On the opening page of *Synergetics* Fuller exhorts the reader, “Dare to be naive.” Similarly in speaking he tended to address professors as if they were nine-year-olds and nine-year-olds as if they were professors. This is a strategy that was anticipated by [William Blake](#) who “liked to think that his works were perfectly comprehensible to the innocent, to minds not blunted by education and fashion, especially children.”¹⁰

E. J. Applewhite
January 1986

Synergetics
Preamble

1517 30th Street, N.W.
Washington, D.C. 20007

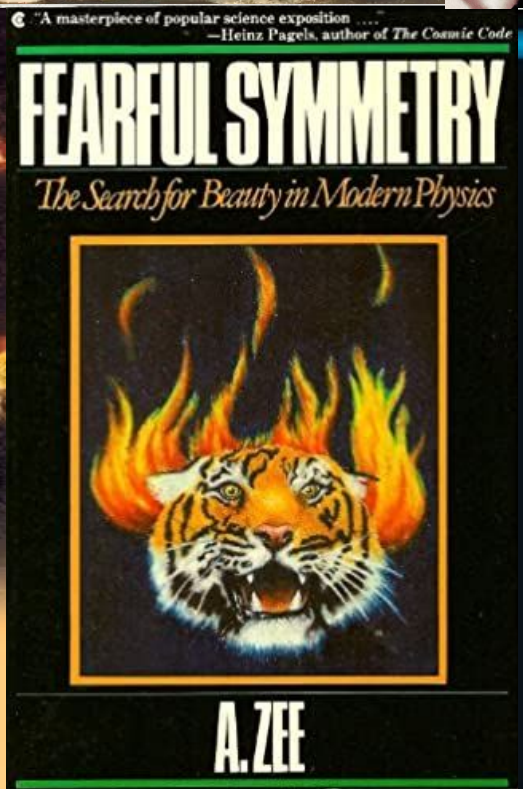
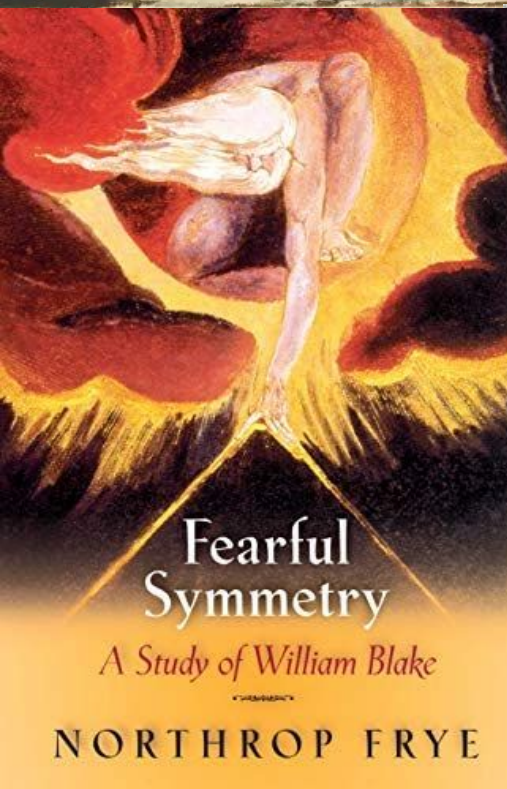


The glorification of childhood is [a] dominant romantic feature of Blake's poetry. In his poems child is a figure symbolizing God or Christ. His world of innocence however is not entirely untouched by unpleasant elements. [Link](#)

Blake

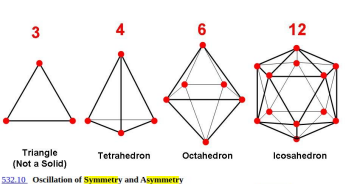
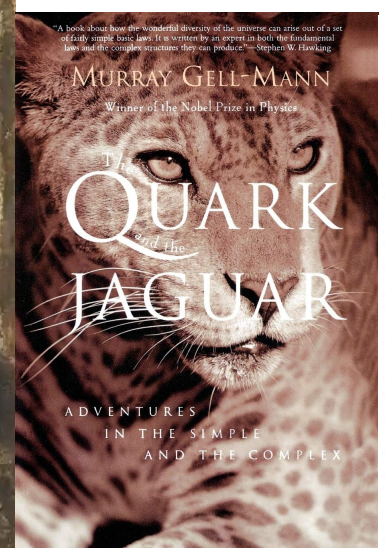
Don't Fear the Symmetry:
The Poetry of William Blake
by Stephanie Vest

Tyger Tyger, burning bright,
In the forests of the night;
What immortal hand or eye,
Could frame thy fearful symmetry?



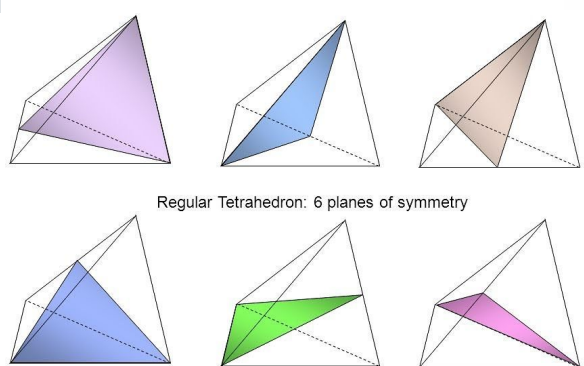
Symmetries

Keen attention to visual and symbolic symmetries in thought, history, biology, everything.



532.11 Oscillation of Symmetry and Asymmetry
532.12 There is no true "order" or "chaos". There are only as yet undifferentiated and uncomprehended frequency and magnitude orders. Chaos and ignorance are both conditions of the brain's only-serve-harvested and stored information as yet unthoughtfully reviewed and comprehensively processed by the order-seeking and - finding mind.
532.13 All most-economic-pattern systems, asymmetric as well as symmetric, are resolvable into symmetric components in synergetic accounting.
532.14 Our sensibility is so inherently local that we rarely see anything but the asymmetries. Sociologists have trouble because they are overwhelmed by the high frequency of asymmetries (rather than the only synergetically discoverable principles).
532.15 Oscillation of Symmetry and Asymmetry: Symmetry is only generalized. In cosmic event averaging, symmetry is even implicit in the preponderantly-almost-symmetric, spontaneous symmetry-referenceability of all asymmetry. Symmetry is systemic. Symmetry has nothing to do with the scenario series; it has nothing to do with local, special case realizations. You can find balances in series—positive and negative energies—but absolute symmetry is characteristic only of generalized systems. (See Secs. 223.02 and 200.33.)
532.18 Crystallography is always special-case and is always confronted with near-symmetric asymmetry; ergo, crystallography must recognize and reference its special case aspects to generalized symmetry. Generalized symmetry conceptuality is only manifest as the vector equilibrium and its involvement domain. The regular-regular means absolutely uniaxial—tetrahedron is absolute and generalized, thus never physically realized. All physical reality is special case. This is why Universe has a capital U.
532.20 Dynamic Symmetry
532.21 Within every equilateral triangle, we can inscribe a three-bladed propeller, its tips protruded into the three corners. The propeller blades are approximately pear-shaped, and each of the blades is the same shape as the others. The pear-shaped propeller blade is locally asymmetric. We call this reversible omnibalanced asymmetric dynamic symmetry.
532.22 We then have three pear-shaped blades at 120 symmetric degrees from one another. They act as three perpendicular bisectors of an equilateral triangle, crossing each other at the triangle's center of area and dividing the total triangle into six right triangles, of which three are positive and three are negative. So there are six fundamentals of the triangle that make possible dynamic symmetry. (One part may look like a scalene, but it doesn't matter because it is always in balance.) Each corner is balanced by its positive and negative-like four streetcorners. This is called dynamic balance. Literally, all machinery is dynamically balanced in this manner.
532.23 Let me take one propeller blade by itself. I am going to split it longitudinally and get an S-curve, one in which the rates are changing and no power of the curve is the same. So it is asymmetric by itself. It is repeated six times: positive, negative, positive, negative... and the six blades come round in dynamic symmetry. The energy forces involved are in beautiful absolute balance. We have energetic balance.
532.30 Symmetrical and Omnisymmetrical
532.31 The difference between symmetrical and omnisymmetrical is that in symmetrical we have no local asymmetries as we do in any one of the propeller blades taken by themselves. Symmetrical means having no local asymmetries, whereas in contrastation, omnisymmetrical and dynamic symmetry both permit local or momentary asymmetries, or both.
532.32 Universe is omnisymmetrical as well as dynamically symmetrical in its evolutionarily representative representation of scenario Universe.
532.40 Three Basic Omnisymmetrical Systems
532.41 There are only three possible cases of fundamental omnisymmetrical, omnitriangulated, least-effort structural systems in nature: the tetrahedron, with three triangles at each vertex; the octahedron, with four triangles at each vertex; and the icosahedron, with five triangles at each vertex. (See illus. 611.02 and Secs. 224.1010.20, 1011.30 and 1031.13.)

611.01 If the system's openings are all triangulated, it is structured with minimum effort. There are only three possible omnisymmetrical, omnitriangulated, least-effort structural systems in nature. They are the tetrahedron, octahedron, and icosahedron. When their edges are all equal in length, the volumes of these three structures are, respectively, one, requiring one structural quanta; four, requiring two structural quanta; and 18.51, requiring five structural quanta. Six edge vectors equal one minimum-structural system: 6 edge vectors = 1 structural quantum.



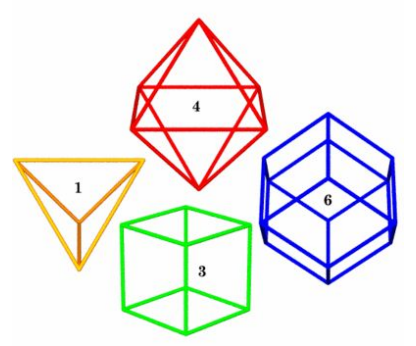
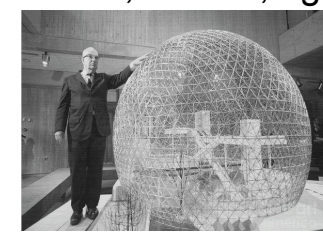
Fuller

From Synergetics Index

Seven axes of symmetry, 100.105, 251.021, 251.18, 251.29, 415.50-53, 527.25, 986.204, Table 986.304, 986.317, 986.821, 987.111, Table 987.121, 987.122, 1040-1042.05, 1041.10-13, Fig. 1041.11, 1043.00-02, 1044.00-13, 1238.21

See also: Fourteen faces of truncated tetrahedron, Great circle foldability, Great circle spinnable symmetries Symmetrical & concentric, 987.044 Symmetrical contraction of vector equilibrium, 461.00-14, 1033.30-36

See also Jitterbug: Jitterbug model Symmetry: Symmetric, 167-70, 174, 222.51, 223.31, 260.41, 400.54, 445.07, 466.13-14, 506.43, 527.05, 536.01, 542.02, Fig. 542.02, 542.04, 622.10, 724.34, 953.50, Table 982.62, 982.70



See also:
Axes of symmetry
Central symmetry
Conservation of symmetry
Constant triangular symmetry
Coordinate symmetry
Cosmic symmetry
Dynamic symmetry
Great circle spinnable symmetries
Maximum symmetry
Omnisymmetric
Rotational symmetry
Seven axes of symmetry
Symmetry & asymmetry, 168, 223.33, 223.34, 224.03, 260.33, 326.40, 400.05, 400.40-44, 400.51, 421.21, 427.01-02, 427.12, 529.40, 531.02, 532.10-16, 532.17, 602.01, 605.01, 620.04, 623.14, 632.01, 905.18, 905.71, 910.11, 936.14, 954.10, 986.634, 986.721, 990.04, 1031.11-16, 1053.30, 1239.10-31, 1232.23
See also Locally mixed symmetry

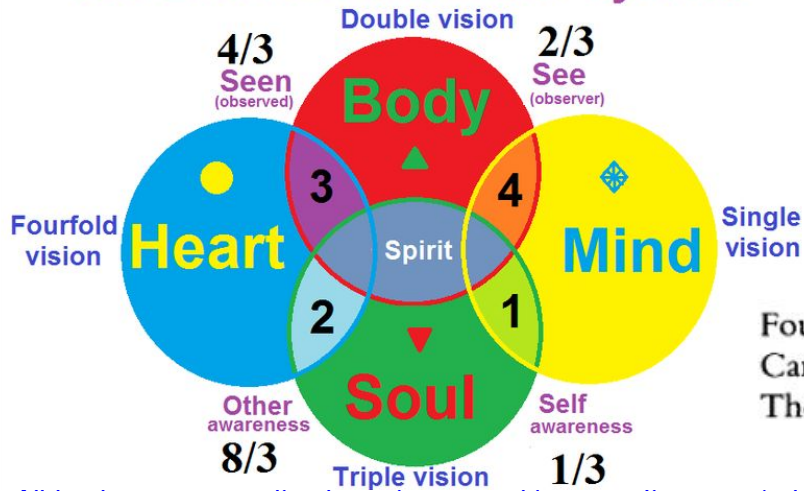
Blake

Fourfold Vision

Fuller

The Fourfold Visions of William Blake and Martin Heidegger
Marcel O'Gorman, University of Detroit Mercy

The Blake/Schumacher system



Four Mighty Ones are in every Man; a Perfect Unity
Cannot Exist. but from the Universal Brotherhood of Eden
The Universal Man. To Whom be Glory Evermore Amen

(3:4-6)

Albion has a composite character second to none. It means (originally) England, but at a deeper level it means the cosmos, **which is a man!** (In this Blake agrees with the Adam Kadmon of the Kabbalah, the Heavenly Man of Philo, St. Paul's heavenly man, the second Adam, and the cosmic man of Gnostic mythology, and the Hindu god, Krishna.). ([Ramhornd](#))

BLAKE, THOMAS BOSTON, AND THE FOURFOLD VISION

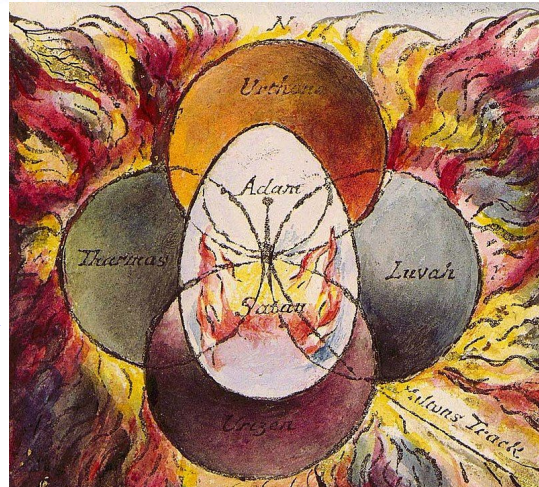
"Four Mighty Ones are in Every Man" The Development of the Fourfold in Blake By Dóra Janzer Csikós · 2003

David Groves
[Link](#)

The word "fourfold" or "four-fold" appears many times in Blake's longer poems, and is clearly one of his favorite expressions. Probably the best-known example occurs in his letter to Thomas Butts:

Now I a fourfold vision see,
And a fourfold vision is given to me;
'Tis fourfold in my supreme delight
And threefold in soft Beulah's night
And twofold Always. May God us keep
From Single vision & Newton's sleep!¹

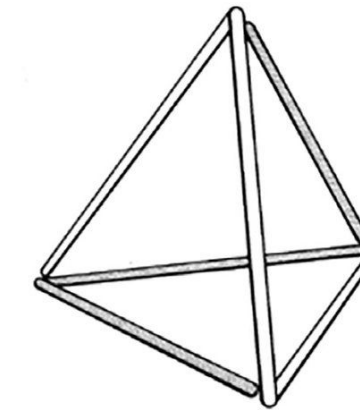
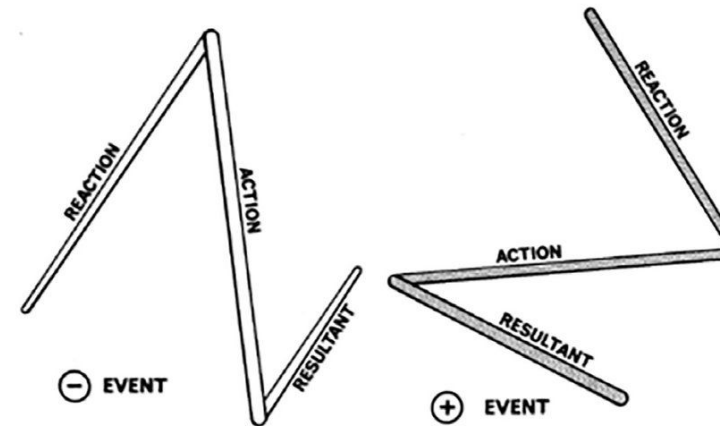
The word "fourfold" can be found twice in the 1611 Bible and once in *Paradise Lost*, but its frequent use by Blake is very striking. Contemporary readers may have detected an echo of Thomas Boston's book *Human Nature, in its Four-fold State*, a popular work of theology which went through at least two dozen editions in Britain between 1720 and 1800.



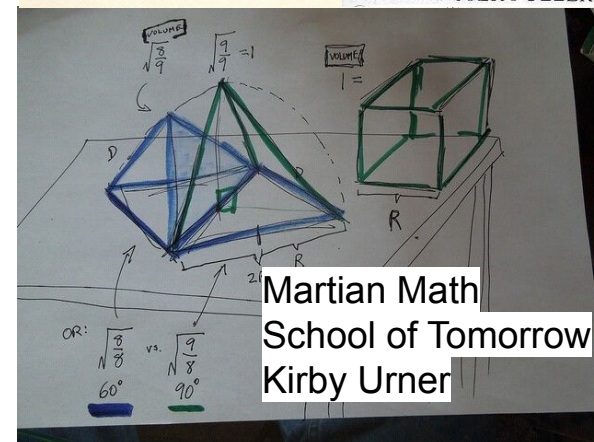
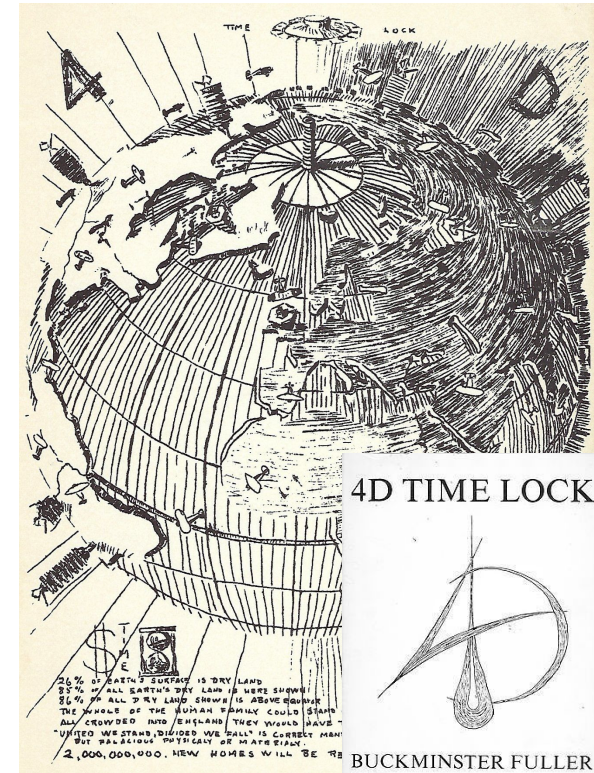
Used a four-fold mnemonic to summarize systems (physical and cognitive), in terms of a unified-while-compositional geometric nature

- Tetrahedron! (or call it what you like)
- Tet is minimum system, has edge length **and** volume 1.
- "Unity is plural and at minimum 2"
- $1+1+1+1=1$

A TRIANGLE IS A SPIRAL
AND IS ONE ENERGY EVENT



ONE POSITIVE + ONE NEGATIVE EVENT
= TETRAHEDRON



Exploring Dynamics, Unity and Interactions of Tetrahedrons ("Quartrorbs") <https://youtu.be/jNfpUFEjVL4>

- The Fourfold Vision & The Age of Imagination with Yasuhiko Kimura: New Spirituality of the Future <https://youtu.be/SrR-ccTsjU>
- Fourfold Vision: Why, What, How, Who? an Exploration https://youtu.be/vGX9_huMMZc

Blake

Negations & Contradictions

Fuller

Jerusalem, Plate 17

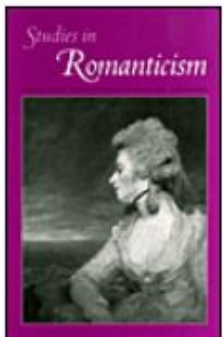
Negations are not Contraries: Contraries mutually Exist:
 But Negations Exist Not: Exceptions & Objections & Unbeliefs
 Exist not: nor shall they ever be Organized for ever & ever:
 If thou separate from me, thou art a Negation: a meer
 Reasoning & Derogation from Me, an Objecting & cruel Spite
 And Malice & Envy: but my Emanation, Alas! will become
 My Contrary: O thou Negation, I will continually compell
 Thee to be invisible to any but whom I please, & when
 And where & how I please, and never! never! shalt thou be
 Organized

Marriage of Heaven and Hell, Plate 3

Without Contraries is no progression. Attraction and
 Repulsion, Reason and Energy, Love and Hate, are necessary to
 Human existence.

William Blake and the Problem of Progression

Russell Prather [Link](#)



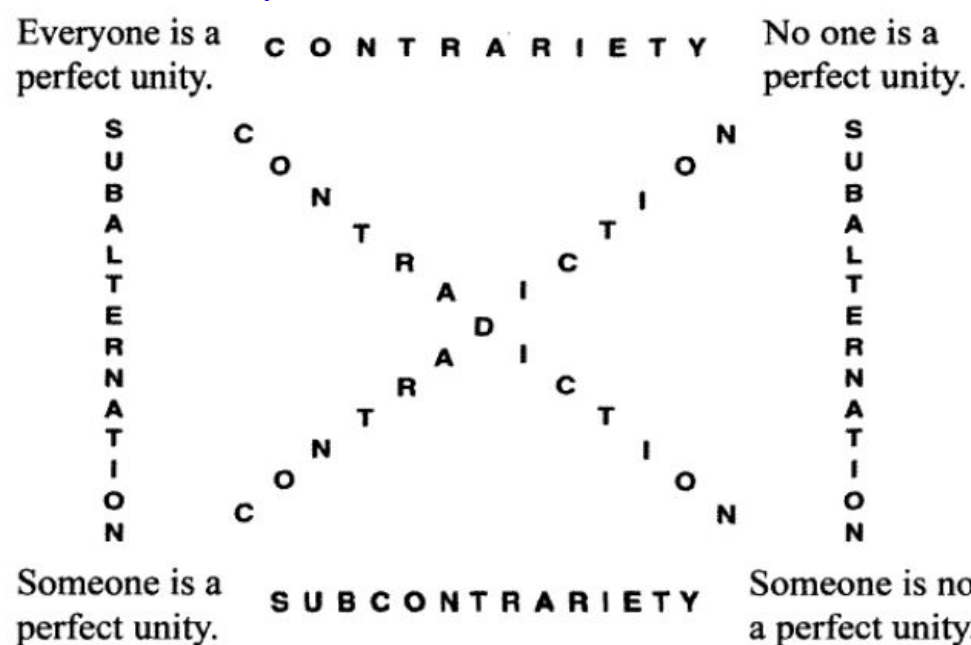
Studies in Romanticism
 Vol. 46, No. 4 (Winter, 2007), pp. 507-540 (34 pages)
 Published by: [The Johns Hopkins University Press](#)

Blake's appropriation of the term "contraries"—and its limitations—in *The Marriage of Heaven and Hell*. It then focuses on a short passage at the beginning of *The Four Zoas* that extends the *Marriage's* twofold conception of contraries into a fourfold complement of contraries and *subcontraries*: four possibilities that the passage, disregarding basic rules of logic, synecdochically embraces.

WITHOUT CONTRARIES IS NO PROGRESSION: IN VIEW OF BLAKE'S THE LAMB AND THE TYGER ([link](#))

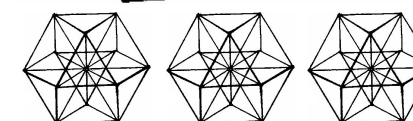
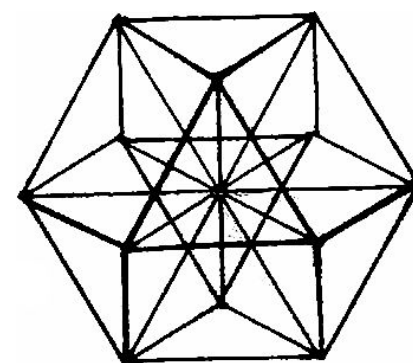
Used logical paradigms which distinguish between **Negation (not-A)** and **Contradiction (complement-to-A)**

Embodied and elaborated that paradigm into Art, Myth, and Beyond – Generating a system of their own



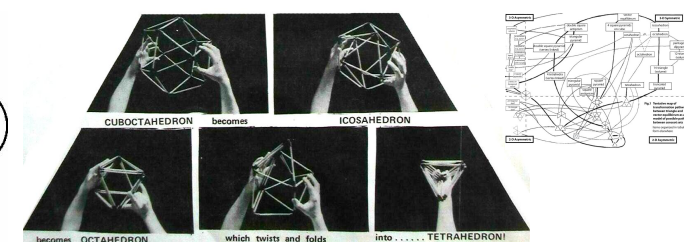
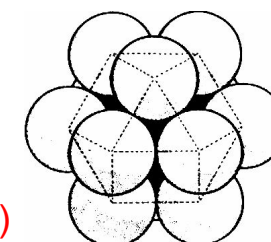
The paper begins by considering

Do what you will, this world's
 a fiction and is made up of
 contradiction.
 William Blake



445.11 At eternal "outset," the vector equilibrium's frequency is none non, which is inactive, which is different in meaning from nonexistent. Zero is the inside-out phase of conceptual integrity; it is the eternal complementation of system. Quite the contrary to "nonexistent," it means only "eternally existent" in contrast to "temporarily existent." Experience is all temporary. Between experiences is the forever eternal metaphysical, which cannot be converted into existent.

Vector Equilibrium and its Transformation Pathways (Laetus In Praesens)

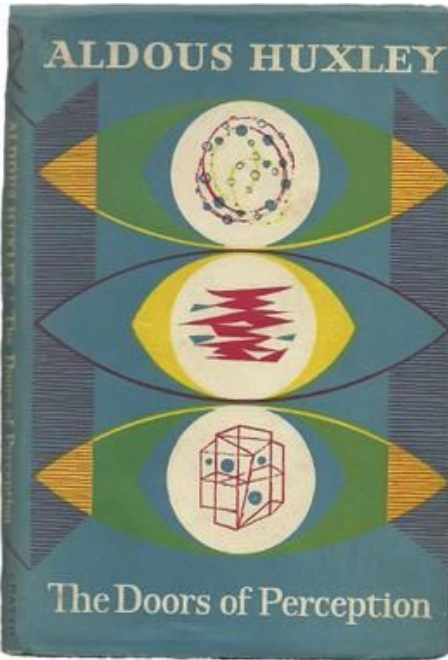


- "Everything I Know" ([link](#))
- We have, then, I found there is what you call a multiplicative "two" and an additive "two." There was an additive two of the poles for EVERY system in Universe. There was also a multiplicative two because there is a concave and a convex there is inherent duality of this congruence of an inside system because concave and convex are not the same. You just have to realize that you have a fundamental congruence of the macrocosm and microcosm. There is negative and positive simply congruent there, but you can't separate them.
- I want you to realize then that you're going to find in closest packing that the arrangement of centers of spheres and centers of spaces is this arrangement. Where you are suddenly going to discover that the vector equilibrium, I gave you originally the vector equilibrium flat, and then I gave you where it curved the edges, where it became convex, or it could be concave. The same vector equilibrium can become concave or it can become convex. And so can the octahedron. So we have, then, spaces that suddenly become spheres, they blow up and the spaces contract. So there is something terribly exciting going on here

Blake

Perception, Cognition, Action

Fuller



“If the doors of perception were cleansed every thing would appear to man as it is: infinite.”

The Marriage of Heaven and Hell



“Blake and the Mark of the Cognitive: Notes Towards the Appearance of the Sceptical Subject”, [Sha 2019](#)

WILLIAM BLAKE'S INTEGRAL PSYCHOLOGY: READING BLAKE AND KEN WILBER TOGETHER, [Adams \(2006\)](#)

In *The Gutenberg Galaxy* McLuhan reformulates the Aristotelian-Thomist concept of the *sensus communis* in terms of a 'sense-ratio', a concept ostensibly adopted from William Blake.

Quoting from Blake's poem *Jerusalem: The Emanation of the Giant Albion* (written 1801-1820), McLuhan asserts that Blake 'is concerned with the changing patterns of human perception'.¹

He says that Blake's theme is captured in these lines from Book II, Chapter 34 of the poem:

If Perceptive organs vary, Objects of Perception seem to vary;
If the Perceptive Organs close, their Objects seem to close also.

[Link](#)

“In the Universe, there are things that are known, and things that are unknown, and in between there are doors.”

“Man has no Body distinct from his soul; for that called Body is a portion of a Soul discerned by the five senses, the chief inlets of Soul in this age.”

Artistic, skillful, and professional use of physical tools

Lifelong development of physical, social, and cognitive niche

Cosmic, dual eso/exoteric perspective on the function and meaning of human life and sensemaking

Aware and attentive towards historical and global traditions and practices of inquiry and action

Situated their work expertly and explicitly in relation to past, present, and future colleagues

Both find resonance with modern trends towards...

- **Agential realism** (Barad et al.)
- Embodied, Embedded, Enacted, Extended, Affective (4EA) cognitive science
- Active Inference, Free Energy Principle and Cognitive/Physical (*another day!!!*)
- Systems and Complexity: Reductionism/Holism, Emergence, etc....
 - MU below from *Gödel, Escher, Bach: an Eternal Golden Braid*



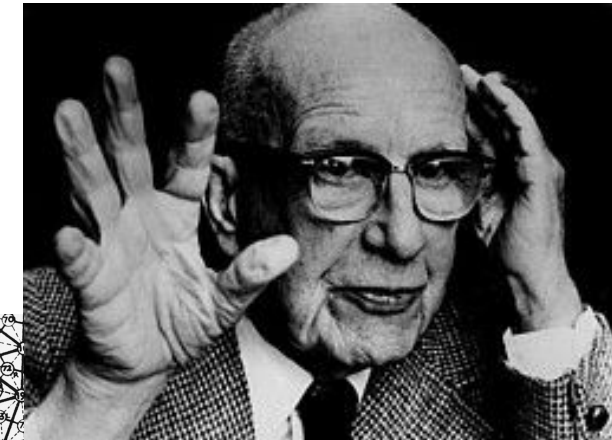
Marshall McLuhan & Buckminster Fuller's First Meeting on an Intellectual Cruise Around the Greek Islands 26jul16



Communications
Physical media



“Since the initial publication of the chart of the electromagnetic spectrum, humans have learned that what they can touch, smell, see, and hear is less than one-millionth of reality.”



MAN IN UNIVERSE 1963
CRITICAL PATH 1981

Bucky Inc. offers a deep exploration of Richard Buckminster Fuller's work and thought to shed new light on the questions raised by our increasingly electronic world. It shows that Fuller's entire career was a multi-dimensional reflection on the architecture of radio. He always insisted that the real site of architecture is the electromagnetic spectrum. His buildings were delicate mobile instruments for accessing the invisible universe of overlapping signals. Every detail was understood as a way of tuning into hidden waves. Architecture was built in, with, for and as radio.

Blake

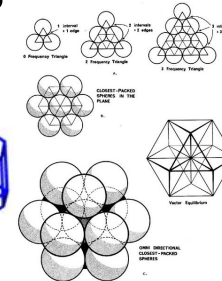
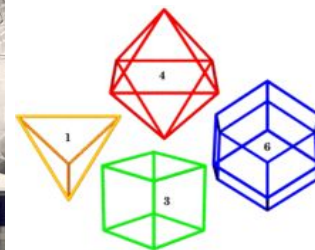
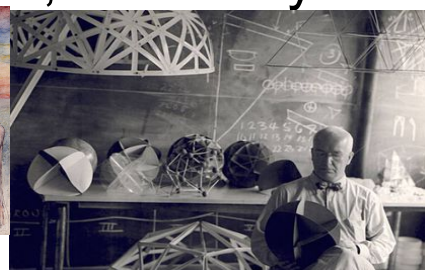
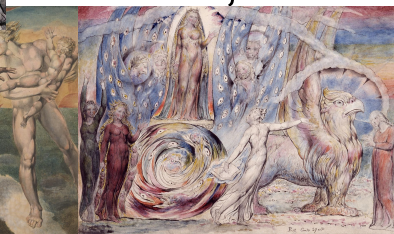
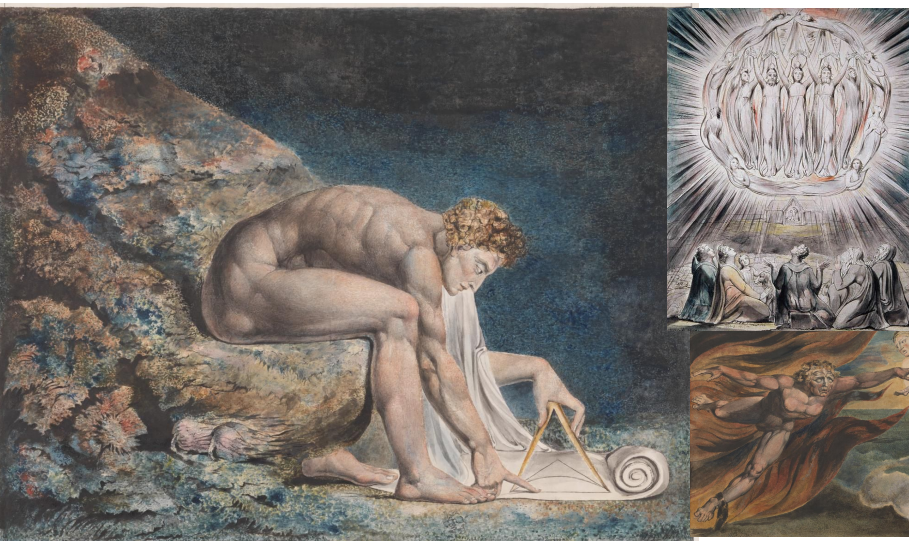
World-View

Fuller

'The Sky is an immortal Tent built by the Sons of Los;
 And every Space that a Man views around his dwelling-place
 Standing on his own roof, or in his garden on a mount
 Of twenty-five cubits in height, such space is his Universe:
 And on its verge the Sun rises & sets, the Clouds bow
 To meet the flat Earth & the Sea in such an order'd Space:
 The Starry heavens reach no further but here bend and set
 On all sides & the two Poles turn on their valves of gold.
 And if he move his dwelling-place his heavens also move
 Where'er he goes & all his neighbourhood bewail his loss.
Such are the Spaces called Earth & such its dimension.
As to that false appearance which appears to the reasoner
 As of a Globe rolling thro' Voidness, it is a delusion of Ulro.
The Microscope knows not of this nor the Telescope, they alter
The ratio of the Spectator's Organs but leave Objects untouch'd;
For every Space larger than a red Globule of Man's blood
Is visionary.' *Milton*

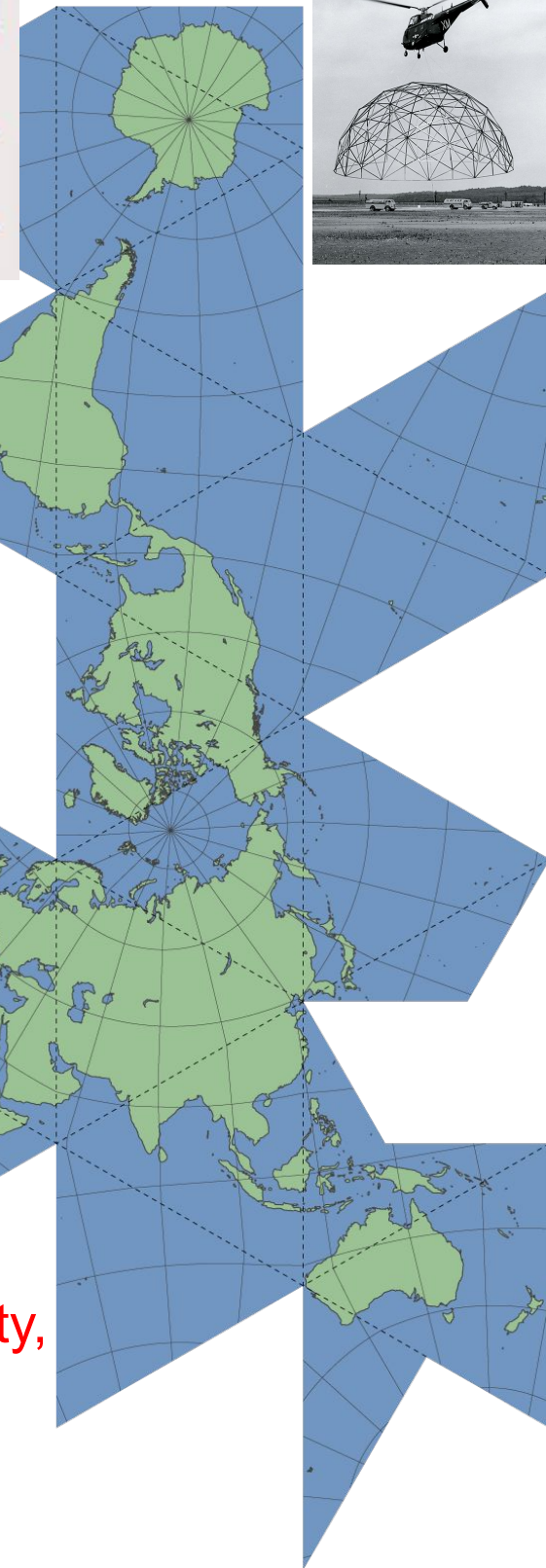
Intense, unique, charismatic world view characterized by:

- Emphasis on physicality/metaphysicality and constraints/affordances of the brain and body
- Authentic perspectives on histories and understandings of people and ideas
- Deep fractal mythologies (personal, national, global, cosmic) scattered across works
- Tone can be ambiguous, is it a prophecy, prediction, an exhortation, or what?
- Intense criticisms and compliments of other ideas and people, as contrast
- Critic (and visionary) about the relationship between humans, technology, and ecology
- Integrated their values, broader work, practices, skills, income, differently at different times



With great labour upon his anvils, & in his ladles the Ore
 He lifted, pouring it into the clay ground prepar'd with art;
Striving with Systems to deliver Individuals from those Systems;
 That whenever any Spectre began to devour the Dead,
 He might feel the pain as if a man gnawd his own tender nerves.

making "the world work, for 100% of humanity,
 in the shortest possible time, through
 spontaneous cooperation, without ecological
 offense or the disadvantage of anyone."



Blake

Faith

Fuller

Deep personal & family faith traditions. Complex and meaningful relationship with Christian and other faith & belief communities

All Bibles or sacred codes have been the causes of the following Errors.

1. That Man has two real existing principles Viz: a Body & a Soul.
2. That Energy, call'd Evil, is alone from the Body, & that Reason, call'd Good, is alone from the Soul.
3. That God will torment Man in Eternity for following his Energies.

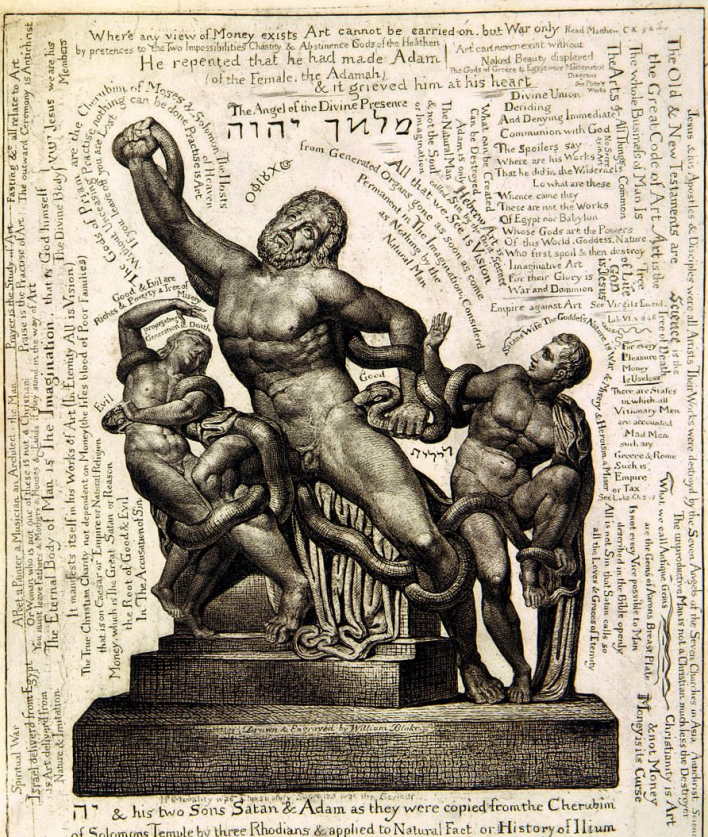
But the following Contraries to these are True

1. Man has no Body distinct from his Soul for that call'd Body is a portion of Soul discern'd by the five Senses, the chief inlets of Soul in this age
2. Energy is the only life and is from the Body and Reason is the bound or outward circumference of Energy.
- 3 Energy is Eternal Delight

The Marriage of Heaven and Hell



The ancient tradition that the world will be consumed in fire at the end of six thousand years is true, as I have heard from Hell. For the cherub with his flaming sword is hereby commanded to leave his guard at the tree of life, and when he does, the whole creation will be consumed and appear infinite and holy whereas it now appears finite & corrupt. This will come to pass by an improvement of sensual enjoyment. But first the notion that man has a body distinct from his soul is to be expunged; this I shall do, by printing in the infernal method, by corrosives, which in Hell are salutary and medicinal, melting apparent surfaces away, and displaying the infinite which was hid. If the doors of perception were cleansed every thing would appear to man as it is, infinite. For man has closed himself up, till he sees all things thro' narrow chinks of his cavern.



“My task was not to preach about God, but to serve God in silence about God.”

“Personally, I am overwhelmed by the spiritual evidence of a greater intellect. Call it God, but a word is just a direction and so utterly inadequate to capture the meaning of this 100 percent efficient, eternally unlimited integrity. ...in whatever way we humans refer to this ‘integrity,’ it will always be an inadequate expression of its cosmic omniscience and omnipotence.”

“No More Secondhand God”

Here is God's purpose-
for God, to me, it seems,
is a verb
not a noun,
proper or improper;

Here is God’s purpose – For God, to me, it seems, is a verb not a noun, proper or improper; is the articulation not the art, objective or subjective; is loving, not the abstraction “love” commanded or entreated; is knowledge dynamic, not legislative code, not proclamation law, not academic dogma, nor ecclesiastic cannon. Yes, God is a verb, the most active, connoting the vast harmonic reordering of the universe from unleashed chaos of energy. And there is born unheralded a great natural peace, not out of exclusive pseudo-static security but out of including, redefining, dynamic balancing. Naught is lost. Only the false and nonexistent are dispelled (Fuller, 1971, p.

- By Glory I mean the synergetic totality of all physical and metaphysical radiation and of all physical and metaphysical gravity of finite but nonunitarily conceptual scenario Universe

EVER RETHINKING THE LORD’S PRAYER July 12, 1979

I define Universe as all of humanity’s in-all-known-time consciously apprehended and communicated (to self or others) experiences.

Love is metaphysical gravity.

In using the word, God, I am consciously employing four clearly differentiated from one another experience-engendered thoughts.

To God
If you have form'd a Circle to go into.
Go into it yourself, & see how you would do.



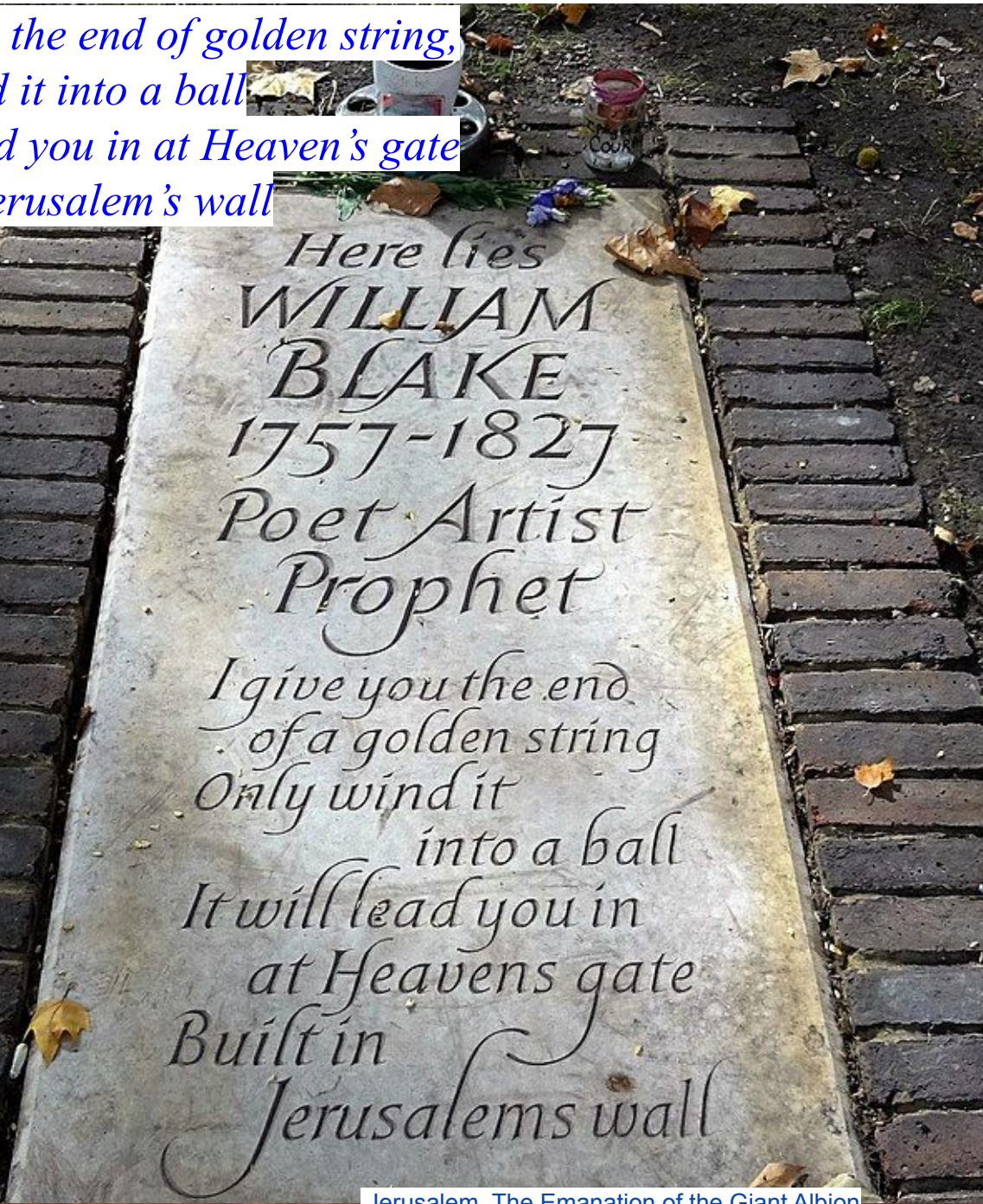
To God
If you have form'd a Circle to go into
Go into it yourself & see how you would do

Blake

Closing Words

Fuller

*I give you the end of golden string,
Only wind it into a ball
It will lead you in at Heaven's gate
Built in Jerusalem's wall*



Jerusalem. The Emanation of the Giant Albion

“Call me Trimtab”

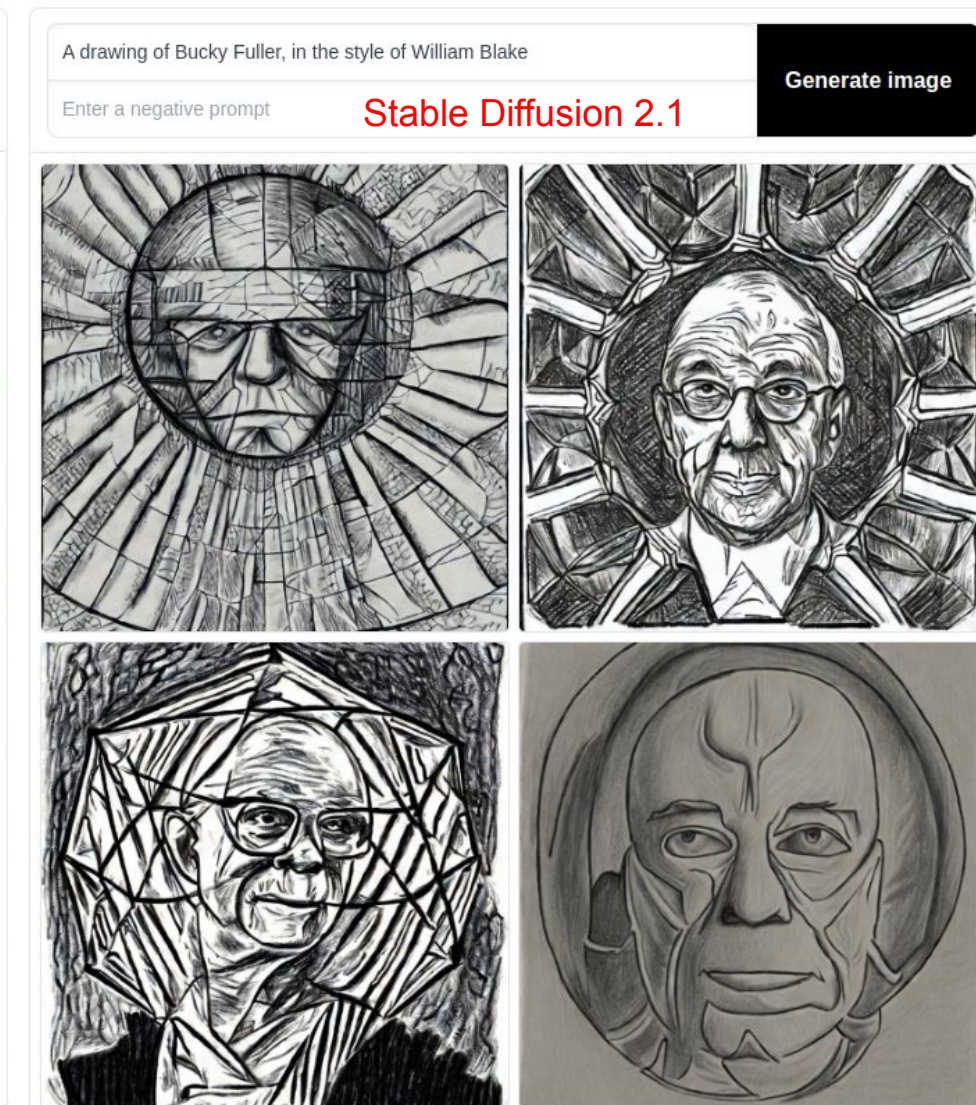
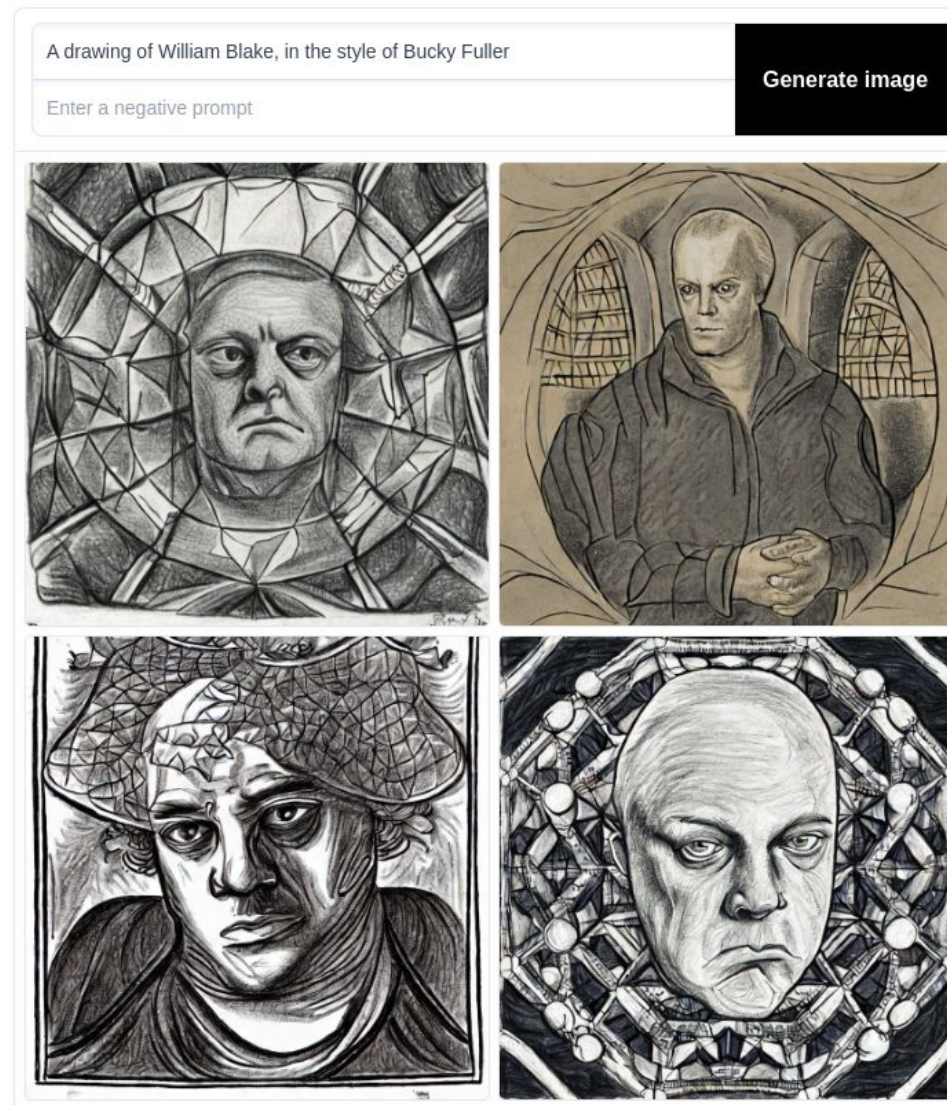


Conclusion

With respect to **William Blake** and **Buckminster Fuller**

- There are complex and rewarding similarities, divergences, and resonances.
- There are multiple possible perspectives to take on this juxtaposition.
- There are many salient paths of INQUIRY and ACTION.

- These slides are downloadable and citable
 - DOI: 10.5281/zenodo.7514368
- This is an early communication of a complex project
- Please reach out if you want to work in this area



Discussion

We can go back to one of the previous areas:

- Life & Times
 - Approaches & Practices
 - Deep Generativity
 - Full Page Creativity
 - Children & Education
 - Symmetries
 - Four-fold Vision
 - Negations & Contradictions
 - Perception, Cognition, Action
 - World-View
 - Faith
 - Closing Words
- Context
 - Comprehensivity
 - Conclusion

Or start a juxtaposition page for a new topic, or do something else

Thank you, and Onwards!

Blake

New topic.....

Fuller

Blake

New topic.....

Fuller

