

Bucky's Principles

Generalized principles

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Self disciplines

- Think for yourself * Learn from mistakes
- Greatest good
- Alignment with universals
- You are an experiment
- Comprehensive *
- Livingly
- Power of the individual *
- Regenerative *
- Do it yourself *
- Maker *
- Provide advantage
- [https://en.wikipedia.org/wiki/Critical_Path_\(book\)#Chapter_4_-_Self-Disciplines_of_Buckminster_Fuller](https://en.wikipedia.org/wiki/Critical_Path_(book)#Chapter_4_-_Self-Disciplines_of_Buckminster_Fuller)

Great discoveries

- Inter-attractive forces
- Zero
- Gases / elements
- Atoms
- Electromagnetic waves
- Precession
- Non simultaneous
- Similitude
- Wisdom Acceleration in metaphysical evolution
- Mathematics
- Radiation
- Gravity
- <https://books.google.com/books?id=jaDgDQAQBAJ&lpg=PP1&pg=PP1#v=onepage&q&f=false>

Geometry of Space

- Shape
- Closure in 3D Systems have
 - polyhedral aka structure
 - Frequency (= size) Nestedness
 - Angle
- Closest sphere packing
- Dimensions of nature
- <http://www.grunch.net/synergetics/ivm.html>
- <http://www.12degreesoffreedom.org/Isotropicvectormatrix.html>
- Isotropic vector matrix
- <https://en.wikipedia.org/wiki/Cuboctahedron>
- Cuboctahedron
- <https://www.bookofthrees.com/buckminster-fuller-building-blocks/>
- Jitterbug transformation
- Stability requires triangulation

Interconnection

- Of systems
 - Gas = one node
 - Liquids = two nodes
 - Solids = three or more nodes

Precession

- Action
- Reaction
- Resultant = excess

Synergy

- Whole greater than the sum of the parts
- Implies a system

Ephemeralize

- Transmaterialization
- Progression of fields (Triz)

Forces are coupled

- Radiation
- Compression
- Orbit of earth = precession

Relations

- Verbs = connections
- Define all systems

- Valving
- Movements
- Lever