

Explorations in the Geometry of Thinking

An introduction to Synergetics



Selected Quotes from R. Buckminster Fuller

“Human intellect (mind) has gradually discovered a number of these extraordinary, generalized, non-sensorially-apprehensible eternal principles. We human beings have been give access to at least some of the design laws of the Universe.”

- Inventions, Guinea Pig B ,1982

162.00 There are eternal generalizations that embrace a plurality of generalizations. The most comprehensive generalization would be that which has $U = MP$, standing for an eternally regenerative Universe of M times P , where M stands for the metaphysical and P stands for the physical.

- Synergetics, 1973

[“326.01](#) The support of life on our planet consists of two kinds—metaphysical and physical. Both cosmic and terrestrial energetic regeneration, organic and inorganic, are physical; while the know-what of pure science and the know-how of applied science are both metaphysical. The know-what of science’s experimental evidence informs technology’s know-how to employ efficiently the substantive resources and synergetic metaphysical patterns progressively found to be operative in Universe. “

- Synergetics

“ I am enthusiastic over humanity’s extraordinary and sometimes very timely ingenuities. If you are in a shipwreck and all the boats are gone, a piano top buoyant enough to keep you afloat that comes along makes a fortuitous life preserver. But this is not to say that the best way to design a life preserver is in the form of a piano top. I think that we are clinging to a great many piano tops in accepting yesterday’s fortuitous contrivings as constituting the only means for solving a given problem. Our brains deal exclusively with special-case experiences. Only our minds are able to discover the generalized principles operating without exception in each and every special-experience case which if detected and mastered will give knowledgeable advantage in all instances.”

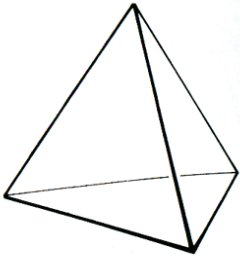
- Operating Manual for Spaceship Earth, 1969

“You can’t change the world by simply talking to it. Philosophy to be effective must be mechanically applied.”

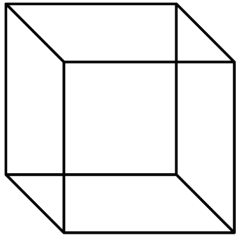
- Inventions, Guinea Pig B 1982

Synergetic Structures

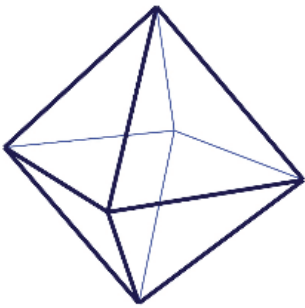
Euler's Formula : $F + V = E + 2$



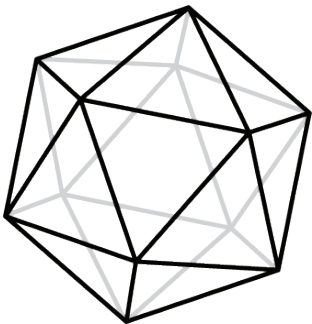
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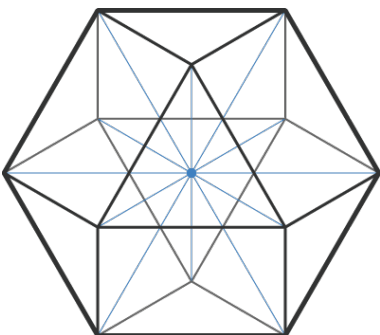
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