



# Table of Contents

- [1000.00 OMNITOPOLOGY](#)
- [1001.00 Inherent Rationality of Omnidirectional Epistemology](#)
  - [1001.10 Spherical Reference](#)
  - [1001.20 Field of Geodesic Event Relationships](#)
  - [1002.10 Omnidirectional Nucleus](#)
  - [1003.10 Isotropic-Vector-Matrix Reference](#)
  - [1004.10 An Omnisynergetic Coordinate System](#)
  - [1005.10 Inventory of Omnidirectional Intersystem Precessional Effects](#)
  - [1005.15 Volume and Area Progressions](#)
    - [1005.20 Biospherical Patterns](#)
    - [1005.30 Poisson Effect](#)
    - [1005.40 Genetic Intercomplexity](#)
    - [1005.50 Truth and Love: Linear and Embracing](#)
    - [1005.60 Generalization and Polarization](#)
    - [1005.611 Metabolic Generalizations](#)
  - [1006.10 Omnitopology Defined](#)
    - [1006.20 Omnitopological Domains](#)
    - [1006.30 Vector Equilibrium Involvement Domain](#)
    - [1006.40 Cosmic System Eight-dimensionality](#)
  - [1007.10 Omnitopology Compared with Euler's Topology](#)
  - [1007.20 Invalidity of Plane Geometry](#)
  - [1008.10 Geodesic Spheres in Closest Packing](#)

- 1009.00 Critical Proximity
  - 1009.10 Interference: You Really Can't Get There from Here
  - 1009.20 Magnitude of Independent Orbiting
  - 1009.30 Symmetrical Conformation of Flying-Star Teams
  - 1009.40 Models and Divinity
  - 1009.50 Acceleration
  - 1009.60 Hammer-Thrower
  - 1009.69 Comet
  - 1009.70 Orbital Escape from Earth's Critical-Proximity Programmability
  - 1009.80 Pea-Shooter Sling-Thrower. and Gyroscope: Gravity and Mass-Attraction
- 1010.00 Prime Volumes
  - 1010.10 Domain and Quantum
  - 1010.20 Nonnuclear Prime Structural Systems
- 1011.00 Omnitopology of Prime Volumes
  - 1011.10 Prime Enclosure
  - 1011.20 Hierarchy of Nuclear Aggregations
  - 1011.30 Prime Tetra Octa and Icosa
  - 1011.40 Congruence of Vectors
  - 1011.50 Instability of Vector Equilibrium
- 1012.00 Nucleus as Nine = None = Nothing
  - 1012.10 Positive-Negative Wave Pattern
  - 1012.20 Pumping Model
  - 1012.30 Indestructibility of Tetrahedron
- 1013.00 Geometrical Function of Nine
- 1013.10 Unity as Two: Triangle as One White Triangle and One Black Triangle
- 1013.20 Complementarity and Parity
- 1013.30 Eight Three-petaled Tetrahedral Flower Buds
- 1013.40 Nine Schematic Aspects of the Tetrahedron
- 1013.50 Visible and Invisible Tetrahedral Arrays
  - 1013.51 Visibly Demonstrable: Physical
  - 1013.52 Invisible But Thinkable: Metaphysical
  - 1013.60 Quantum Jump Model
- 1020.00 Compound Curvature: Chords and Arcs

- [1021.10 Convexity and Concavity of Tetrahedron](#)
- [1022.10 Minimum Sphere](#)
- [1023.10 Systematic Enclosure](#)
- [1024.10 What Is a Bubble?](#)
- [1025.10 Closest Packing of Bubbles](#)
- [1030.00 Omniequilibrium](#)
  - [1030.10 Omniequilibrium of Vector Equilibrium](#)
  - [1030.20 Gravitational Zone System](#)
  - [1031.10 Dynamic Symmetry](#)
  - [1032.00 Convex and Concave Sphere-Packing Intertransformings](#)
    - [1032.10 Convex and Concave Sphere-Packing Intertransformings as the Energy Patterning Between Spheres and Spaces of Omni-Closest-Packed Spheres and Their Isotropic-Vector-Matrix Field](#)
    - [1032.20 Energy Wave Propagation](#)
    - [1032.30 Complementary Allspace Filling of Octahedra and Vector Equilibria](#)
  - [1033.00 Intertransformability Models and Limits](#)
  - [1033.010 Involvement Field Integrates Topology Electromagnetics Chemistry and Cosmology](#)
    - [1033.020 Four-triangular-circuits Tensegrity](#)
  - [1033.030 Untenable Equilibrium Compulsion](#)
  - [1033.10 Octave System of Polyhedral Transformations](#)
  - [1033.120 Click-stop Subdivisioning](#)
  - [1033.180 Vector Equilibrium: Potential and Primitive Tetravolumes](#)
    - [1033.192 Table: Prime Number Consequences of Spin-Halving of Tetrahedron's Domain Unity](#)
    - [1033.20 Table: Cosmic Hierarchy of Primitive Polyhedral Systems](#)
  - [1033.30 Symmetrical Contraction of Vector Equilibrium: Quantum Loss](#)
  - [1033.40 Asymmetrical Contraction of Vector Equilibrium: Quantum Loss](#)
  - [1033.50 Quanta Loss by Congruence](#)
    - [1033.51 Euler's Uncored Polyhedral Formula](#)
  - [1033.60 Primitive Dimensionality](#)
  - [1033.61 Fifth Dimension Accommodates Physical Size](#)
    - [1033.62 Zerovolume Tetrahedron](#)

- [1033.63 Prefrequency and Initial Frequency Vector Equilibrium](#)
- [1033.64 Eightness Dominance](#)
  - [1033.65 Convergent-divergent Limits](#)
- [1033.66 Terminal Reversings of Evolution and Involution](#)
- [1033.70 Geometrical 20-ness and 24-ness of Vector Equilibrium](#)
  - [1033.73 The Quantum Leap](#)
- [1033.80 Possible Atomic Functions in Vector Equilibrium Jitterbug](#)
- [1033.90 Spheres and Spaces](#)
- [1040.00 Seven Axes of Symmetry](#)
  - [1041.00 Superficial Poles of Internal Axes](#)
  - [1041.10 Seven Axes of Truncated Tetrahedron](#)
  - [1042.00 Seven Axes of Symmetry](#)
  - [1043.00 Transformative Spherical Triangle Grid System](#)
  - [1044.00 Minimum Topological Aspects](#)
    - [1044.01 Euler + Synergetics](#)
- [1050.00 Synergetic Hierarchy](#)
  - [1050.10 Synergy of Synergies](#)
  - [1050.20 Trigonometry](#)
  - [1050.30 Simplest Trigonometric Solutions](#)
  - [1051.00 Circumference and Leverage](#)
    - [1051.10 Complementarity of Circumferential Oscillations and Inward and Outward Pulsations](#)
    - [1051.20 Central and External Angles of Systems](#)
    - [1051.30 The Circumferential Field](#)
    - [1051.40 Angular Functionings of Radiation and Gravity](#)
    - [1051.50 Leverage](#)
  - [1052.00 Universal Integrity](#)
    - [1052.10 Second-Power Congruence of Gravitational and Radiational Constants](#)
    - [1052.20 Spherical Field](#)
    - [1052.30 Gravitational Constant: Excess of One Great Circle over Edge Vectors in Vector Equilibrium and Icosahedron](#)
    - [1052.32 Possibility of Rational Prime Numbers in High-energy Physics Experiments](#)

- [1052.350 Microsystems](#)
  - [1052.360 Mite as Model for Quark](#)
- [1052.40 Vector Equilibrium and Icosahedron: Ratio of Gravitational and Electromagnetic Constants](#)
- [1052.50 Syntropy and Entropy](#)
  - [1052.51 Meshing and Nonmeshing](#)
  - [1052.54 Order and Disorder: Birth and Growth](#)
  - [1052.58 Pattern Sorting and Observing](#)
- [1052.60 Physical Limit and Metaphysical Absolute](#)
- [1052.80 Radiation-Gravitation: Electromagnetic Membrane](#)
  - [1052.81 Membrane Model](#)
- [1053.00 Superficial and Volumetric Hierarchies](#)
  - [1053.10 Spherical Triangular Grid Tiles](#)
  - [1053.20 Platonic Polyhedra](#)
  - [1053.30 LCD Superficial Quantation of Systems](#)
  - [1053.36 Sphere: Volume-surface Ratios](#)
  - [1053.40 Superficial Hierarchy](#)
  - [1053.41 Table: Spherical Surface Hierarchy](#)
  - [1053.50 Volumetric Hierarchy](#)
  - [1053.51 Table: Volumetric Hierarchy](#)
  - [1053.51A Table: Volumetric Hierarchy \(Revised\)](#)
  - [1053.60 Reverse Magnitude of Surface vs. Volume](#)
  - [1053.601 Octahedron](#)
- [1053.70 Container Structuring: Volume-surface Ratios](#)
- [1053.80 Growth and Decay](#)
- [1053.82 Life and Death](#)
- [1053.83 Positive Visible and Integral Invisible](#)
- [1053.84 Cay and Decay](#)
  - [1053.849 Table: Initial Frequencies of Vector Equilibrium](#)
- [1053.85 Inventory of Alternatives to Positive](#)
- [1054.00 Relationship of Gibbs to Euler](#)
  - [1054.10 Synergetic Analysis](#)
  - [1054.20 Relationship of Gibbs to Euler](#)
  - [1054.30 Synergetic Integration of Topology and Quanta](#)

- [1054.40 Topology and Phase](#)
  - [1054.50 Polyhedral Bonding](#)
  - [1054.60 Orbit as Normal](#)
  - [1054.70 Time as Frequency](#)
- [1055.00 Twentyfoldness of Amino Acid System Indestructibility](#)
  - [1055.01 Return to the Shell of Homogenized Contents of an Egg](#)
  - [1055.03 Icosahedral Twentyness](#)
  - [1055.04 Magic Number Twentyness](#)
  - [1055.05 Vector Equilibrium Twentyness](#)
  - [1055.06 Twentyness in Mass Ratio of Electron and Neutron](#)
  - [1055.07 Twentyness of Maximum Limit Nonnuclear Tetrahedron](#)
  - [1055.08 Twenty-Sphere Models of DNA-RNA Compounds](#)
- [1056.00 Hierarchy of Generalizations](#)
  - [1056.01 Epistemology](#)
  - [1056.10 Cosmic Hierarchy of Comprehensively Embracing Generalizations](#)
  - [1056.20 Cosmic Hierarchy of Comprehensively Embracing and Permeating Generalizations-of-Generalization = ggn](#)
- [1060.00 Omnisensorial Accommodation](#)
  - [1061.10 Tree Structure](#)
  - [1061.20 Conic Geometry of Trees](#)
- [1070.00 Plurality of Inherent Topological Twonesses](#)
  - [1071.00 Systematic Character of Prime Thinkability](#)
    - [1071.10 Prime](#)
    - [1071.20 Systematic Realization](#)
  - [1072.00 Definability of Structural Systems](#)
    - [1072.10 Proposition to Be Proven](#)
  - [1072.20 Generalized Topological Definability](#)
  - [1072.30 Wave and Particle Definability](#)
  - [1073.00 Cosmic Inherency](#)
    - [1073.10 Four Kinds of Twoness](#)
      - [1073.15 The Indispensable Center](#)
    - [1073.20 Interrelationship Twoness: Third Kind of Twoness](#)
  - [1074.00 Prime Nuclear Structural Systems](#)

- [1074.20 Omnitopological Domains](#)
- [1074.30 Spin Twoness and Duality Twoness](#)
- [1075.00 Special Case: Energy and Information](#)
  - [1075.20 Equation of Intellect](#)
- [1076.00 Primitive Regeneration](#)
- [1077.00 Prime Number Inherency and Constant Relative Abundance](#)

---

[Next Page](#)

---

Copyright © 1997 Estate of Buckminster Fuller