CyberTao
Information Age

The CyberTAO Code

Matrix9! CODEC 901

P h y s i c s / M a t h e m a t i c s   C o n s t a n t s

Mathematical eHandbook for Change in Further eScience
Fundamental Constants the Natural Laws of the eUniverse

Part Three

I N T R O D U C T I O N

in

M E M E S
A - Z LARGE & small

Soundbytes of The Matrix9!

The Quantum M9! Music of the Spheres Sound bytes

S P A C E T I M E   C O N S T A N T S

C O D E C

901 Constants CODEC

of

The Matrix9! *e*Universe

code/decode - codec

The Matrix9! *e*Universe *e*Science Constants

T H E   M A T R I X 9!
C O M P U T A T I O N A L   U N I V E R S E
C O N S T A N T S   *of*   C H A N G E

The Matrix9! 362880 CPU Constant
Fractal Decimal Harmonic
R e s o n a n c e
SpaceTime

Ripples

Down the Rabbit Hole and what Cyber Alice found there

A

The Matrix9! Rabbit Hole

Matrix9! Holofractal
ALICE'S EVIDENCE
Harmonic eUniverse

Down the Rabbit Hole and what Cyber Alice found there

Rabbit Hole -   The Matrix9! *e*Universe CONSTANTS CODEC 901

Matrix9! 901 Theorem
E V I D E N C E

Mathematical Foundations of the Matrix9! Constants

Most of the Constants have been derived by exceptional Experimentation - wiki

The Matrix9! eUniverse eScience Constants Source *e*Book
901 Constants CODEC Large-data

The Grand Unified Theory
G.U.T. Evidence

The Matrix9! Theory CODEC Mathematical Evidence

*Fractal geometry is not just a chapter of mathematics, but one
that helps Everyman to see the same world differently.* - B Mandelbrot

The Matrix9! Theory provides evidence of Einstein's long sought-after unification theory through the use of Mandelbrot's recently uncovered fractals and Lisi's E8 mathematical pattern (*An exceptionally simple theory of everything*). The Algorithm shown here is the final connection between Standard and Quantum Theory physics, using proven mathematical constants together with factorial 9! which can be considered 'self-similar' Decimal Fractal Harmonics Field of Synchronicity-Entanglement These Constants of proportionality are shown in a Unified Field Matrix from Subatomic to Solar Systems and Beyond.

B

901 CONSTANTS MATHS & PHYSICS CODEC

of

The Matrix9! Computational Holographic Quantum Gravity Cosmos

A CyberTAO Quantum Information Theory

In string theory, one of the many vibrational states of the string corresponds to the graviton, a quantum mechanical particle that carries gravitational force. Thus string theory is a theory of quantum gravity. - wiki

A Holographic Quantum Resonant Universe of Fractal Harmonics
The Matrix9! has a Quantum Entanglement-Pauli-Synchronicity basis
of Quantum Information in a Simple Computational Format

The Matrix9! *e*Universe
The Matrix9! Holographic Fractal Harmonic Algorithm shows
Unity in Diversity
in this CyberTAO journey Down the Math-Portal Rabbit-Hole
that shows ultimately the only true Constant is Change
'Time or Change' and down through the Onederland Garden Door
The Matrix9! fully rebooted Principle of Synchronicity Mathematics

C

SYNCRONICITY / ENTANGLEMENT
Wolfgang Pauli
Pauli conceived his idea of the Neutrino
Pauli's & Jung's Principle of Synchronicity
Pauli's The Periodic Table Exclusion Principle
Pauli–Leibniz Principle named by Herman Weyl

Pauli receives Nobel Prize - nominated by Friend Albert Einstein
Max Born thought that Pauli was, perhaps an even greater scientist
than Einstein. He had a fortunate he was Godson of Ernst Mach.
Pauli a Student of Kepler and literally a student of Arnold
Sommerfeld and his Ideal Number discoveries
2nd quantum number the azimuthal quantum number, and the spin
quantum number the 4th quantum number. Sommerfeld after
attending a course by Hilbert on the theory of ideal numbers
focused on Pure Mathematics. Pauli Principle/Fermionic
Entanglement

SYNCRONICITY PRINCIPLE
Jung-Pauli
Jung and his assistant Marie-Louise von Franz thought that
numbers are the archetypes of order, and innate in synchronicity
creation

C

My Leibniz mania
- B Mandelbrot

Leibniz-Pauli

Information Theorists

I Ching Mathematics Theorists

Leibniz's The Monad - One Theory

Leibniz Greatly Inspired Mandelbrot

Leibniz may have been the first computer scientist and Information Theorist

Introduced the binary binary number system to the West from the East, anticipated, Algorithmic Information Theory, functions of the Universal Turing machine and Cybernetic Theory

Leibniz- wiki Quotes

My Leibniz mania is further enhanced by judging that for a moment its hero attached importance to geometric scaling. - Mandelbrot

Leibniz discoveries of Boolean algebra and Symbolic Logic
See - Symbolic Logic of Charles Lutwidge Dodgson, mathematician alias Lewis Carroll of Alice's Adventures in Wonderland and its sequel Through the Looking-Glass. - wiki

Leibniz in particular also stated that space and time are inherently relational.

Leibniz was the first computer scientist and information theorist using the binary number System base Two

Norbert Wiener accepted Leibniz to be the founder of cybernetics

Leibniz's (He) noted with fascination how the I Ching hexagrams correspond to the binary numbers from 0 to 111111, and concluded that this mapping was evidence of major Chinese accomplishments in the sort of philosophical mathematics he admired wiki

Leibniz greatly influenced Riemann

Voltaire mocked Leibniz as Professor Pangloss, described as' the greatest philosopher of the Holy Roman Empire

Information Technology
The Monad (The One)

the Leibniz interpretation of monad as a spiritual entity, which reflects the totality of the world, in the informational sense. - wiki

No philosopher has ever had as much experience with practical affairs of state as Leibniz, except possibly Marcus Aurelius. -wiki

Leibniz Inside Out

Leibniz was groping towards hardware and software concepts worked out much later by Charles Babbage and Ada Lovelace. In 1679, while mulling over his binary arithmetic, Leibniz imagined a machine in which binary numbers were represented by marbles, governed by a rudimentary sort of punched cards. Modern electronic digital computers replace Leibniz's marbles moving by gravity with shift registers, voltage gradients, and pulses of electrons, but otherwise they run roughly as Leibniz envisioned in 1679.

My Leibniz mania is further enhanced by judging that for a moment its hero attached importance to geometric scaling. - Mandelbrot

D

M A T R I X 9! H O L O G R A M C O N S T A N T S

The 901 Grand Unified Theory GUT
C O N S T A N T S C O D E C
Fractal *e*Universe of Change

New Simple Fractal Algorithms found!
Fractal Harmonics
&
Reciprocal Principle Algorithm
Uniting The Physics and Mathematical Constants
The E8 +1Fractal M9! Periodic Table

901 Universal Constants
Subatomic Systems to Solar Systems
of
The Inner Cosmos and Outer Cosmos

The 362880 Cycle
Factorial 9 Matrix9!
+1 Fractal Harmonics

All shown as Fractal Harmonics of the Factorial 9 or 9!
From smallest Planck Length to Largest Exoplanet
Equations of 9!th Standing Waves & Ripples

CyberTAO Simple Algorithm Ripples
E V I D E N C E
901 Ripples of the Matrix9!
Grand Unified Theory - GUT

'Furthering

Outsiders Einstein , Mandelbrot & Lisi'

Matrix9! Chaos Theorems

The most complex object in mathematics, the Mandelbrot Set ... is so complex
as to be uncontrollable by mankind and describable as 'chaos'. - B Mandelbrot

Chaos theory is an interdisciplinary *theory* stating that, within the apparent randomness of *chaotic* complex systems, there are underlying patterns, constant feedback loops, repetition, self-similarity, fractals, and self-organization. ... This behavior is known as deterministic *chaos*, or simply *chaos*.
- wiki

E8 Physics Fractal Harmonics

Garrett Lisi's - An Exceptionally Simple Theory of Everything - The E8 Lie group

Unified Field Theory of Particle Physics and Einstein's theory of Gravitation

The Matrix9! E8 Permutations and +1Fractal Computations

E8 & M9! Physics Fractal Harmonics

E8 & M9! DNA I Ching Harmonics

E8 & M9! DNA Brain Harmonics

E8 & M9! Solar Systems

E8 & M9! Mandelbrot Fractal Universe

E8 & M9! Quantum Gravity Wave Field Constants

Large & small

A wondrous inner and outer 8-dimensional model of the universe

E8, a symmetric higher-dimensional polyhedron consisting of 248 vertices in eight-dimensional space from elementary particles and forces to planets and solar systems

A Matrix9! Universe Field Theory
of
Synchronicity-Entanglement
Time & Change
Relativity

Most of the constants for the equations are phenomenological - Found by fitting the equations to experimental data. - wiki

E

T h e Matrix9! C o m p u t i n g *e*U n i v e r s e

C O D E C

Galactic Solar *e*Systems / Quantum *e*Systems

General Relativity Theory & M Quantum Theory
0 1 Yin Yang cyber Universe Uni = Tao = One
Alice's A B C of the LARGE **& small**

The CyberTAO Matrix9! Constants Theory
of

*e*verything
- the theory that
'Change's Everything'
*eLARGEST to *e*smallest*
in a QuBit Principle of Synchronicity
Planck Scale to Galactic Cyber Solar Systems
R E S O N A N C E

A.L.I.C.E. Theory Matrix9! SpaceTime
Unified Field-Onederland
The One and the Many
*e*Universe

The Matrix9! Quantum String Theory
Matrix9! Remainder Theorem
Algorithm-Code/Decode CODEC
Number Theory-Harmonic Analysis

Interface with
Information Theory

A CyberTao Code Fractal Harmonic Constants Theory

of

The Matrix9! Fine-tuned Universe

decoded!

The history of the universe is, in effect, a huge and ongoing quantum computation.
The universe is a quantum computer. - Seth Lloyd Programing the Universe

Further mathematical Evidence showing a cyber Field

of Natural Units constructs of the M9! Holographic Universe

The Fundamental Constants are THE basic Harmonics building

The Holographic Matrix9! Universe

The Matrix9! Maths Theory unifying the Constants of Nature

M9! Theory unifying The Standard Theory & Quantum Theory

showing
The Matrix9! Fractal Harmonic Constants-Fabric of the Universe
The Cosmos can tuned in Further with Matrix9! Constants
CERN can tune in Further with The Matrix9! Constants
The Matrix9! Matter & Mind Theory of Everything
Synchronicity-Entanglement S-E Oneness

F

All is Number

Frequency/ Number

The Matrix9! Algorithm-Code Whole Number Harmonics

of
Natures Constants

Eddington's Dream
dreaming of finding the numerological explanation for the constants of nature
- J D Barrow The Constants of Nature,Eddington's Unfinished Symphony

Matrix9! Holographic Universe Quantum Non-local Substructure
Infinite 'Pixels' of 362880 or Matrix9!Ripple Sets
Binary Digital encoded Information
of
Zero-point Energy Field Vacuum Potential Quantum Foam
creating the emerging Cosmos in rippling interference
emerging waves of elemental fundamental reality

The Matrix9! Universe is an Evolving interconnected Hologram
The M9! String Theory Holographic Principle is a principle of Quantum Gravity

We are living in a Cosmic Computer Hexagram programed Reality
The Universe emerges from the Ripple effects of intersecting Frequency Fields
or interference Information Waves these Holographic Standing Wave Vortexes of
Matter/Particle/Standing Waves and Mind Ripples/biophysics interactions/Fields.
These are Bohm's reciprocal Enfolding and unfolding patterns of information.
The holographic spectrum of encoded Frequency, Spin and QAM interconnected
patterns in physics and biophysics such as DNA qubits of electron spin quantum
gates. Pribram has shown the brain's encoded information holograms and many have
shown the I Ching-DNA bio-hologram is a wave-guide matrix for Life

Factorial 9! or 362880 Matrix Algorithm Whole Number Harmonics

of

the Physics Constants

Cyber-MATTER

EUREKA! a new Algorithm Uniting the Physics Constants and establishes values to at least nine decimal places then by remainder division to it's Whole Number.
This is shown by an algorithm of Number 362880 or Factorial 9! in Harmonic Matrix Equations in a Harmonic Unity of Natures Constants

This Simple Fractal Harmonic Algorithm Evidence

shows

Einstein's and Hawking's etc. Elusive Theory of Everything

This Constants Algorithm of TOE Unified Field Upgrades

the Quantum Standard Model and unites it with Quantum Gravity

The One source

This is the algorithm that eluded Eddington (who showed the first evidence to prove Einstein's Theory of Relativity) and it has opened a world of wonderful correlations. Fractal Harmonic Constants emerged from One source the Factorial 9! and resonate, connecting all? Natures Constants. This discovery adds evidence to others quantum-cosmological theories. The Matrix9! Constants include Standard Model of Quantum Particle Physics - upgraded and that now includes Quantum Gravity, Mandelbrot Fractal Harmonics and much more in this Matrix9! quantum-cosmological theory.

Fractal Harmonic Method also has equations using Tesla's simple 3, 6, 9 Harmonics and the Primes. Cosmic Evolution Cosmic Survival Cosmic Change

E8 & M9!
Fractal Harmonics
Particles Forces and Mathematical Constants shown by

The Matrix9! Fractal-Remainder-Algorithm method

as harmonics and harmonic fractals of 9!
362880 = Factorial 9
&

Constant M9! 362880 x 64x3 = 69672960 E8 Constant

Matrix9! 362880 History

Sumerians & Indian Vedic Mathematics probably created the Egyptian Giza Pyramids and Fu Hsi China the South American Complex Teotihuacan

Foundation Number
Sumerians 362880x54
Vedic 382880/.2
Egyptian 362880/10
Chinese 362880
Teotihuacan 362880

G

The Matrix9! CODEC
Universal Physics Constants
Fibonacci Phi Polygon Pi Pixphi Fractal
Geometric Quantum Gravity
Computational Cosmos
Matrix9! *e*Chaos Theory

The theory of chaos and theory of fractals are separate, but have very strong intersections. That is one part of chaos theory is geometrically expressed by fractal shapes.   - B Mandelbrot

The Matrix9!
of
Mind & Matter

Quantum Consciousness - Mind &Matter

I regard consciousness as fundamental. I regard matter as derivative from consciousness. We cannot get behind consciousness. Everything that we talk about, everything that we regard as existing, postulates consciousness
M. Planck Nobel Prize laureate Founder of Quantum Physics

Fibonacci numbers and the golden Ratio Number Theory

Base 10 Fractal Harmonic S-Remainder Theory
0-Infinity-1
of
LARGE Cosmos & Quantum small
Matrix9! Cyber Universe

EXPERIMENTS

Matrix9! cyber A.L.I.C.E - LARGE - C.E.R.N. Atlas

Matrix9! cyber A.L.I.C.E - small -C.E.R.N. Alice

H

The Matrix9! Constants Algorithm 901 Theorem CODEC

The Matrix9!

901 Theorem Rabbit Hole

Cosmic Ripples algorithm Wonders

Coding and Decoding the Holographic *e*Universe

of Yin & Yang as you journey Further Down the Rabbit Hole

A formula can be very simple, and create a universe of bottomless complexity.

Bottomless wonders spring from simple rules, which are repeated without end.
<div align="right">- B Mandelbrot</div>

I

THE MATRIX 9! THEORY OF SYNCHRONICTY

M9! Constants 901 CODEC

THE MATRIX 9!

901 CONSTANTS CODEC

The CyberTAO Code.com

The Matrix9! Fractal *e*Universe CODEC

of

901

Constants & Change

901 C O N S T A N T S C O D E C
of
The Cyber TAO Matrix9! Theory

E V O L U T I O N - C H A N G E
Cosmic Quantum-Matrix9! DNA Consciousness

Quintessence Scalar Field

Michael Talbot holographic Universe - Synchronicity

The Cosmological Constant - Dark Energy

Einstein "greatest mistake". regretted modifying the cosmological constant

Therefore, the cosmological constant can be interpreted as arising from a form of energy which has negative pressure, equal in magnitude to its (positive) energy density - wiki

Such form of energy—a generalization of the notion of a cosmological constant—is known as dark energy - wiki

In fact, in order to get a term which causes an acceleration of the universe expansion, it is enough to have a scalar field which satisfies - wiki

Instead of the cosmological constant itself, cosmologists often refer to the ratio between the energy density due to the cosmological constant and the critical density of the universe, the tipping point for a sufficient density to stop the universe from expanding forever. This ratio is usually denoted Ω_Λ, and is estimated to be 0.6911 ± 0.0062 - wiki

J

The Matrix9! Computer Science Field

Furthering
Matrix9! Harmonic Fractal Oscillators

Spin-OrBit Entangled Spin State Quantum Computation

Matrix9! Holographic S W E G Fractal SpaceTime
Strong-Weak-Electromagnetic-Gravity
(Sweg - noise)
- The Matrix9! Holographic-Onederland *e*Universe

Decimal-Digital Harmonic Fractal Algorithms - Further

901 CONSTANTS CODEC Evidence of Evolution-Change

K

- The CyberTAO Code -
901 CONSTANTS
CODEC
of
Cosmic Quantum-Matrix9! Constants
SPACETIME

A photon is a single quantum of (visible)light as well as all other forms of electromagnetic radiation and can be referred to as a "light quantum". The energy of an electron bound to an atom is quantized, which results in the stability of atoms, and hence of matter in general. - wiki

Matrix9! Quantum Gravity Wave Universe
Mandelbrot Fractals Matrix9! Constants Wavelet-Ripples

Uniting
M String Theory & Standard Classic Theory Constants
in
The CyberTao Matrix9! Quantum Universe Theory
of
Light, Matter & Mind
Fractal Harmonics

Photon/Quantum
Light Quantum

CyberTAO 64 Hologramic Harmonic Format
Quantum of Change
A
Quanta of Interaction
Photon Light Theory

Furthering Copernicus-Kepler-Newton Solar System Constants
The Fine Tuned Universe Matrix9! Music of the Spheres
Fractal Harmonic Relationships Above & Below

Newton standing on the shoulders of Giants -
The Principa built on the work of other scientists, especially Kepler, whose three basic laws of planetay motion led Newton to formulate his law of gravity - Ian Stewart Mathematician

L

A.L.I.C.E.
Astro Logic I Ching Evolution
LARGE & Small
Galaxy D-E Solar System Constants *to* Standard Model Constants

Solar Systems Constants *down to* Particle Physics Constants
Beyond the Standard Model

Holographic Surface Area Encoded Binary Information

Planck Length /Area

M9! Holo-Info M-F Field Area Pixphi Q-Gravity Constants

Rutherford's 'Proton'

Matrix9! Atomic Program Pos + Yang & Yin - Neg Format

The Particle Physics Nuclei (QCD) Color Gluons glueing
up, down, strange, charm, bottom and top Quarks
&
Leptons

Periodic Table Program 8 Fold Way Electron Qubit 2x2x2

The Atomic Nucleus Protons Positive-Yang
&
Neutrons
&
Electrons Negative-Yin

M

The C y b e r T A O
of
T H E M A T R I X 9!
U N I V E R S E

The Matrix9! C O D E C Theory
Physics Mathematics
C O N S T A N T S OF C H A N G E
uniting
R E L A T I V I T Y with Q U A N T U M
M A T R I X 9! S T R I N G   T H E O R Y
&
C O D E C
The Cosmic DNA Computer CODE

8x8 Matrix = 64

E = M9!
Einstein's elusive TOE Equation
in an E-Simple mathematical Algorithm

The Matrix9! Holographic Universe Unified Field Theory

Harmonic Fractal Field Theory 101 and Matrix9! CODEC 901

N

CyberTAO

Matrix9! Cyber SpaceTime
'Cosmic Computer Clock'
Binary Digital Universe Fractal Harmonics

The Matrix9! 362880 byte
Cyber Solar System S E M Clock
Quantum Gravity Cyber Spin SpaceTime

Milky-Tao-Way Galaxy
Cyber Sun Earth Moon - Cyber S E M Time
362880 Factorial 9 Permutations 9!
scaleable permutation algorithm of
9! bytes the Hub-base-Cycle of Change - CPU Time

Cosmic Summation Σ Consciousness Resonance
Mind-Consciousness
Resonant Wholeness OrBit Levels of Cosmos Σ Summation

Matrix9! Yin-DNA-Yang Operating System

The Matrix9! Theory
CONSTANTS conversion factors
of
The Standard Model of particle physics
&

Matrix9! Quantum Field Theory
Mathematical Holographical Supersymmetry

0

Matrix9! String Theory Celestial Consciousness
Resonant Field / Resonant Information

The Matrix9! Music of the Spheres Principle

&
the Generalised Music (GM) principle
RESONATE

The Matrix9! Quantum eUniverse
Harmonic Resonance
Tao-Way of
C h a n g e
'Listen to the music'

Gabriele Veneziano and Mahiko Suzuki discovered in 1969 what became

known as the Dual Resonance Model or Veneziano Model

This was the origin of string perturbation theory, which today is the dominant method of extracting higher order information from string/M theory.

Matrix9! Ripples

Waves in strings, reflections, standing waves and harmonics.
vibrational harmonic 'notes' Fundamental First Harmonic Patterns

of

Matrix9! Unified-Field-Onederland U.F.O. Algorithm
The Rhythmic Dance Holographic Harmonics of creation

Matrix9! GUT
Grand Unification, a string theory of harmonic I Ching-DNA 2 ness 4 ness 8 ness
16 ness 64 ness Onederland-Unified Field oscillations
Matrix9! SFT
Michio Kaku co-founded string field theory, a subset of string theory

CYBERTAO CODE CODEC
Theory of Everything

&

Generalised Music (GM)
of
Geesink & Meijer

M9! Mandelbrot Fractal-Planck Quantum Gravity
of
The Matrix9! Solar System

&

A new causal deterministic coherence law
in quantum physics revealed by H. Geesink, D. Meijer

Generalized Music (GM) Quotes

Professor D.K.F. Meijer and Nanotechnologist J.H. Geesink

Standard Model -GM-model underlies the quantum field theory

A mathematical basis for the spectra of discrete coherent and non-coherent electromagnetic (EM) frequencies was derived, in which the algorithm exhibits an information distribution according to ratios of 2:3 in 1:2 at a semi-harmonic manner. This generalized music (GM)-model shows that energy both in elementary particles and animate systems is semi-harmonic, quantized and discrete. A support for an ontological basis of the Standard Model was found, and indicates that the GM-model underlies the quantum field theory of subatomic particles.

Generalized Music (GM)-model - is semi-harmonic, quantized and discrete

This generalized music (GM)-model shows that energy both in elementary particles and animate systems is semi-harmonic, quantized and discrete. A support for an ontological basis of the Standard Model was found, and indicates that the GM-model underlies the quantum field theory of subatomic particles.

The present theory combines quantum mechanics and classical periodic systems, obeys to locality and solves the "hidden variable theory of Bohm". The discovered pattern of electromagnetic field eigenvalues, within a broad range of discrete frequencies, points at a de Broglie/Bohm type of causal interpretation of quantum mechanics, implying an integral resonant pilot-wave/particle modality.

The model has been substantiated by a meta-analysis of measured discrete energies of: 37 different elementary particles, 45 different EPR-measurements, zero-point energies of

elements and about 450 electromagnetic wave frequencies of cells. It has been shown that the GM-scale is frequency-locked with zero-point oscillations, and thereby evidently implies involvement of entanglement.

Quantum entangled life conditions and graded states of consciousness in the universe are scale invariant and areguided by a quantum wave meta-language in a superfluid quantum space/ zero-point energy field that is instrumentalin creating quantum coherent states through pilot wave resonant connectivity. This interacting dynamic EM field issteering life processes through semi- harmonic tuning of fractal structured water and vibrating macro-molecules suchas DNA and hydrated proteins in the cell, including several cell types in the human brain. Consciousness is seen asarising through interaction of life systems with a holographic, field-receptive workspace, that is associated with thebrain as a global supervening memory horizon, that is organized through toroidal geometry.

Discovering the Generalized Music (GM)-scale

The history of the discovery of the generalized music (GM)-scale is highlighted in relation to the areas of bio-field research and quantum biology. The central message is that nature may be guided by a discrete pattern of electromagnetic frequencies. This guiding is based upon a physical coherence principle that is coupled to entanglement, acts in a local and non-local way, and is embedded in a toroidal geometry. We performed meta-analysis studies on biomedical, cancer and neurological literature, revealing the discrete EMF frequency pattern in a consistent manner. This novel biophysical principle exhibits a mathematical background and was also applied to brain function (consciousness research) and 3-dimensional protein folding in integrates cells. Strikingly, this life algorithm could also be detected in various non-animate systems. Superconductivity provides an interesting bridge between life systems and pure physical phenomena. - Henk Kieft net

Life and Consciousness are Guided by a Semi-Harmonic EM Background Field

Quantum entangled life conditions and graded states of consciousness in the universe are scale invariant and are guided by a quantum wave meta-language in a superfluid quantum space/ zero-point energy field that is instrumental in creating quantum coherent states through pilot wave resonant connectivity. This interacting dynamic EM field is steering life processes through semi-harmonic tuning of fractal structured water and vibrating macro-molecules such as DNA and hydrated proteins in the cell, including several cell types in the human brain. Consciousness is seen as arising through interaction of life systems with a holographic, field-receptive workspace, that is associated with the brain as a global supervening memory horizon, that is organized through toroidal geometry. - Neuro Quantology

Matrix9! Cosmos Constants Small and Large
Zero point Energy Harmonic Fractal
Super String-Ripples
to
Solar Systems & Beyond

Matrix9! Unified Field

Quantum Theory + Relativity Theory

Harmonic Fractal Constants of both small & Large

The Matrix9! Relativity Frame of 9 = 3x3 Magic Square

9! = 362,880 possible ways to place the numbers in the square

Cosmos Fabric Numeric Patterns or Constants are Harmonics of 362880

The small - Oscillating Ripple-Strings a hundred billion billion times smaller

than an atomic nucleus. The Large - Sun is 0.5x 10^{19} bigger than an atom.

Quantum-Relativity-Geometric-Gravity

The key idea of Einstein's theory of general relativity is that gravity is not an ordinary force, but rather a property of space-time geometry. - wiki

SpaceTime-Gravity curvature geometry

Einstein's theory of general relativity, gravity is a distortion of

Matrix9! SpaceTime

SpaceTime-Gravity / Polygon Pi

R

Mass Electron-Yin : Yang-Proton Mass RATIO

The structure of atoms and molecules is controlled almost
completely by two numbers
Electron Mass : Proton Mass Ratio
&
The Fine Structure Constant
- J D Barrow The Constants Of Nature

S

The Matrix9! CyberTAO Natural Laws of the Universe
Fundamental physics Constants & Mathematical Constants

The Matrix9! Quantum Cosmos Computing
The Cyber Subatomic System,
The Cyber DNA System & The Cyber Solar System

Pixphi
Ellipsoid Constant
The Apec of Matrix9! Quantum Cosmos Computing
Cosmological Holographic virtual/center/infinite bitmaps

Kepler's ellipsoidal trigonometry insight into the laws of Nature - leading to the
Rational Pixphi Principle of *e*Solar System and universal *e*Cosmos organisation
of
The *e*Matrix9! Universe

T

Cosmic Hologram Computer

The Matrix9! Program Format - Onederland

Universal Computer Program of Quantum Gravity Change

Binary digital Planetary Units of Change

U

The CyberTAO Code

of
The Matrix9! Universe
'Onederland-Cosmic Computer'

: Quixotic-Zen to Quantum-Gravity

Theory of eEverything

: a Cosmological DNA Evolution Theory of

Relativity - LARGE & small - quantum

a Fractal Harmonic CyberTAO Universe of

Negative-Yin & Yang-Positive

Change

V

The Matrix9! Quantum-Onederland Theory of *e*Everything

small & LARGE

Quantum Gravity

Uniting

M Quantum Theory & General Relativity

A Synchronistic Harmonic Fractal Theory

of

The Matrix9! YIN & YANG *e*Universe
Q-Gravity Contraction-Yin & Yang-Expansion Q-Radiation
Gravity & Light

The Matrix9! Holograhic Binary 1 & 0 Universe

Expansion - Yang 1 & 0 Yin - Contraction

Alice's small

Planck Constants Holographic Quantum M9! Theory

to

Hubble Constants Holographic Relativity M9! Theory

Alice's LARGE

in

101 Matrix9! Universe Harmonics Theory & 901 Constants Codec

CyberTAO Fine Tuned DNA-ZPE SpaceTime Consciousness
Simple Fourier transform Harmonics Pribram/Bohm Holonomic Brain Theory
LAN Eclipse Local Area Network Program Algorithms
M9! Quantum Gravity I Ching-DNA Mandelbrot Fractals
Holograms - Hexagrams - Trigrams - Bigrams

This Is Your Brain on God
– the Almighty isn't dead, he's an energy field.
And your mind is an electromagnetic map to your soul.

-Michael Persinger WIRED

: a Cosmological DNA Evolution Theory

of

Relativity - LARGE & small - quantum

a Fractal Harmonic CyberTAO Universe of

Negative-Yin & Yang-Positive

Algorithms

of

Change

small : From Universe Quantum-Planck Series Constants

Middle : Galactic Atomic Dust

The Holographic Solar System of DNA resonance Fractals

W

The Matrix9! CyberTao
Binary Digital Universe Synchronicity Computer Clock

Optomechanics glass microcavities

Light Photon & Vibration Phonon

Quantum Gravity Computing

Peak Wave Cycle 1 > Superposition < 0 Peak Wave Cycle

Whole-Entanglement W-E

X

The Matrix9! Quantum-Relativity-Gravity

Mathematical Change algorithms

of

Matrix9! Quantum Field Theory (M9! QFT)

Pixphi-Spin Geometric Quantum Gravity

&

Geometric Electro/magnetic Force/Weak Force/STRONG Force

Mandelbrot fractal

H A R M O N I C S

Y

The Cyber Onederland-Universe Uniting
M Quantum Theory & Relativity Theory

e = Yin-Neg 0 & 1 Pos-Yang

Fractal Harmonic Ripples

Matrix9! Atomic absorption spectroscopy
the 21cm line of hydrogen (1420.40575177 MHz),
which is due to the atomic transition between the two hyperfine levels of the
hydrogen 1s ground state with an energy difference of 5.87433 µeV.

The energy of a photon is a function of its frequency $E = h\nu$

Time-bin qubits
classical bits of information are either 0 *or* 1
quantum bits qubits can be in superposition states of 0 *and* 1

Photon-Wave-Packet
Spin-flip Up-Down Energy

The 21 cm Hydrogen spectral line

• Galaxy Rotation - Quantum Gravity - redshifted Photon CMB - SETI wavelength

A Cybertao code of the Onederland-unified field Universe

Decoding the Quantum Hydrogen Line Fractal Spectra

Through the Onederland Looking Glass

Z

The CyberTAO keycode

The Matrix9!
C O S M O S

The *e*Science of Everything

Suggestions that we need 'new methods of science
- Historian of science Helge Kragh
Aarhus University Denmark

0-1 & Superposition-Remainder S-R
SYNCRO-CAUSUAL CLOCK
Galactic Black Hole Central Processing Unit
&
Local DNA Solar System CPU
of
Mind and Matter

2 Binary Yin 0 / 1 Yang & Positive + / - Negative Forces

4 Fundamental Force Fields of Physics

Gravitation-Yin & Electromagnetism-Yang, Weak-Yin Force & Strong-Yang Force

Matrix9! TimeSpace Resonance
Binary-digital Harmonics & Sub-harmonics

of

M9! Constants 901 CODEC

The Matrix9! String Theory of Everything