

# Proto-physics the link between Quantum Physics and Metaphysics

Presented on Thurs Nov 17, 2011

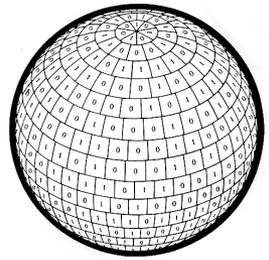
Café Metaphysics

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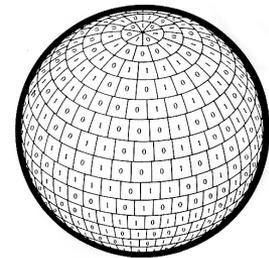
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# Abstract



Physics and information science have a lot to say about connecting quantum physics to metaphysics. This quantum related science is best described as proto-physics, since the very high dimensional features connect these two subjects and are the source vibrations under everything and no-thing. 'Quantum Mind', 'It from Bit' and 'thoughts are quantum things' will be some of the subjects discussed.

# Brain/Mind/Spirit Model Continuum



Classical Brain  
Mind is brain state

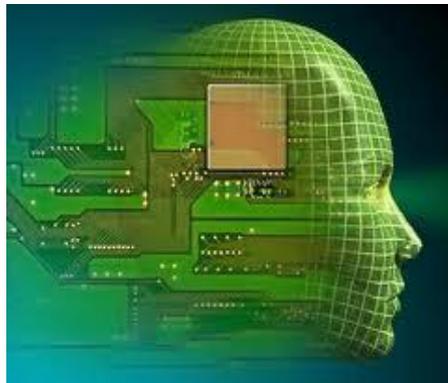
Dualistic Brain/Mind  
Mind requires Brain

Brain is Transceiver  
Quantum/Spirit Mind

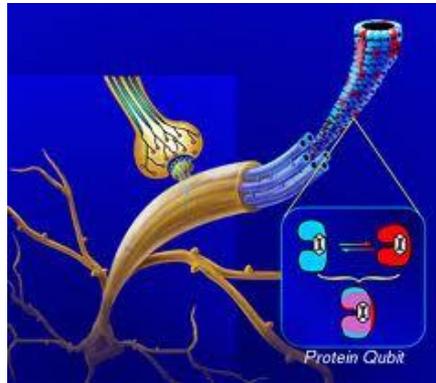
Classical

Quantum

Spiritual



Brain is Computer



Neurons are Coherent



Brain is Transceiver

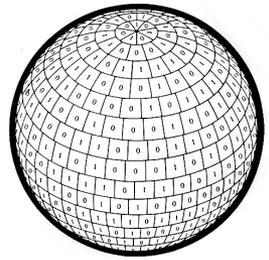


Self as Eternal Spirit

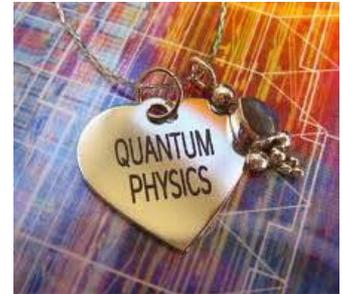
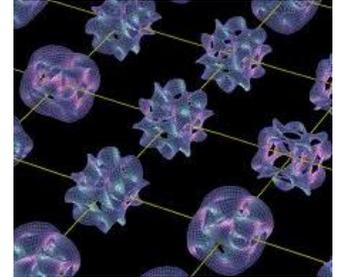
3d Space/ 1d Time  
Matter/Energy  
Locality & Conservation  
Neuron Connectivity & Parallelism

Quantum State Spaces  
Change without Time  
Information & Probabilities  
Law of Attraction & Supermind

# Physical & Protophysical Models

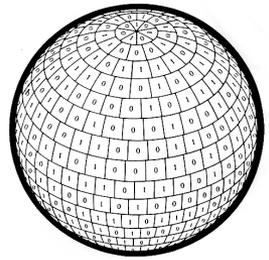


- Classical Physics Properties
  - Matter/Energy, Mass, Space/Time
- Black hole physics ties Relativity & Quantum
  - It from Bit, Sciences of very big and very small
- Quantum Physics Properties
  - State Spaces, Exponential Speedup
- Metaphysics and Chi Research
  - Non-local space/time awareness and healing states
- Spiritual and Manifestation
  - Law of Attraction and divine states

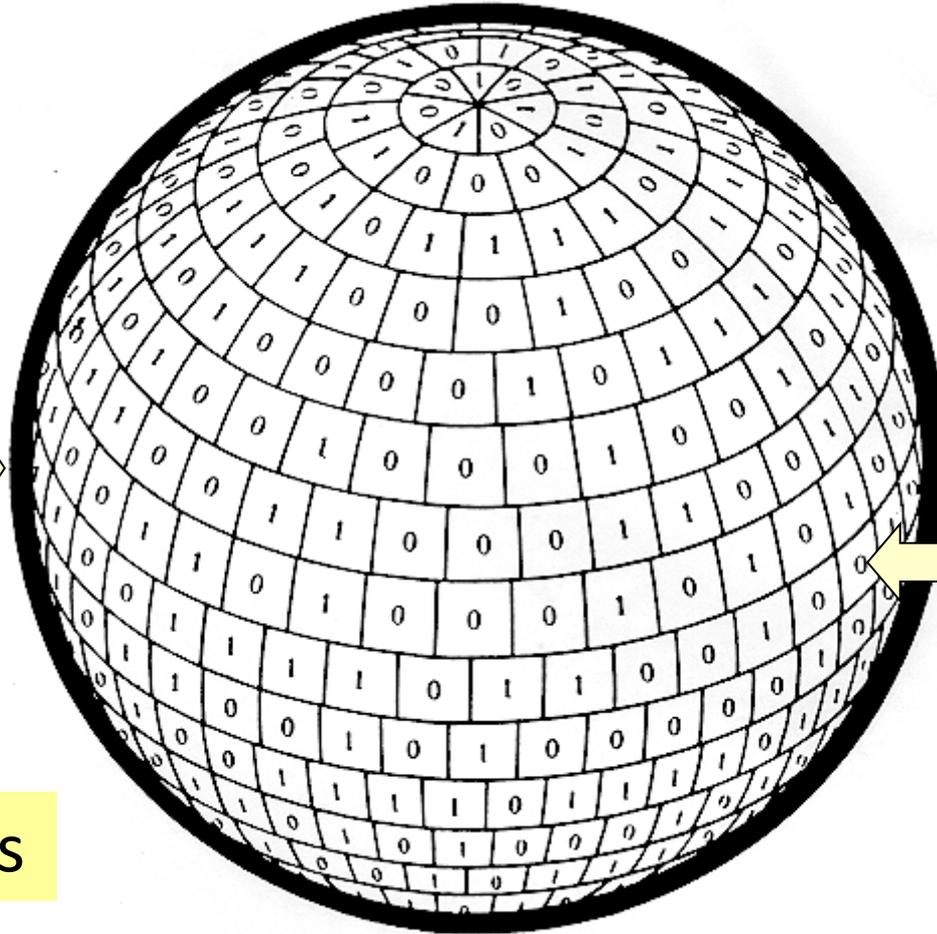


Everything is quantized when very small, even space & time

# Information is Physical



Black Hole event horizon (inside is a singularity without space and time) →



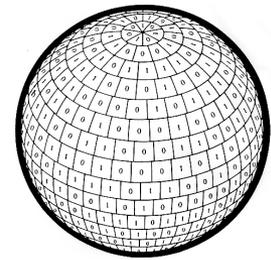
Quantum Bits are consistent with Black Hole Mechanics

← Bits as entropy (Planck's areas on surface)

$M \rightarrow E \rightarrow \text{Bits}$

Wheeler's "It from Bit"

# Classical Physics Properties



## States of Matter

- Solid, liquid, gas, plasma, atomic, quarks

## Forms of Energy

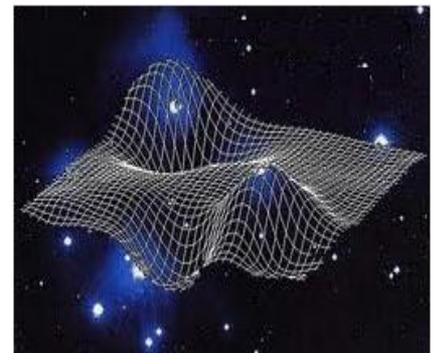
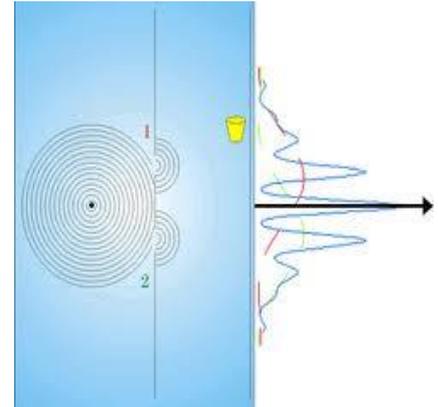
- Temperature, heat, complexity, thermodynamics
- Chemical & nuclear bonds, phonons, photons
- Potential energy, gravity, zero point energy

## Space and Time

- Classical space-time, computational space-time
- Relativistic space-time, black hole singularity
- Quantum space-time (Shor's Algorithm)

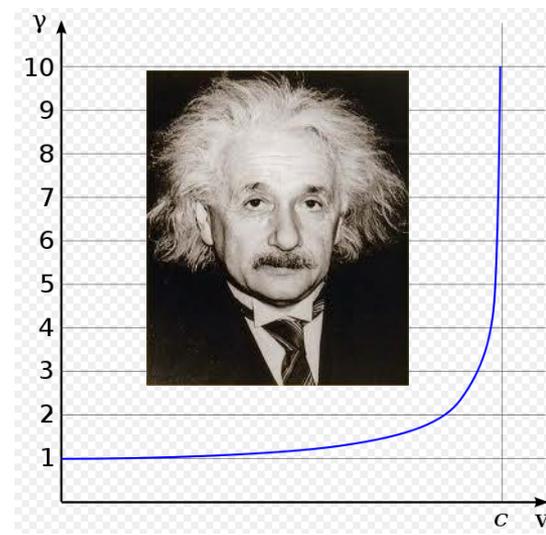
## Physical Limits

- Density, heat, speed, frequency, noise, complexity, representation



# Relativistic Space-Time

- Lorentz Factor  $\gamma = \frac{1}{\sqrt{1 - v^2/c^2}}$



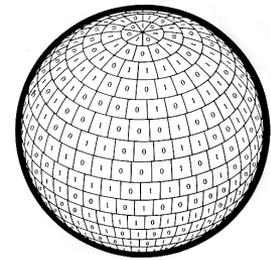
- Time Dilation  $\Delta t' = \gamma \Delta t = \frac{\Delta t}{\sqrt{1 - v^2/c^2}}$

- Length Contraction  $L = \frac{L_0}{\gamma} = L_0 \sqrt{1 - v^2/c^2}$

- Relativistic Mass  $m = \gamma m_0 = \frac{m_0}{\sqrt{1 - v^2/c^2}}$

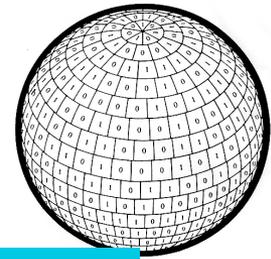
Near the speed of light: distances are longer, clocks run slower and masses are heavier than the rest mass.

# Classical vs. Quantum Bits



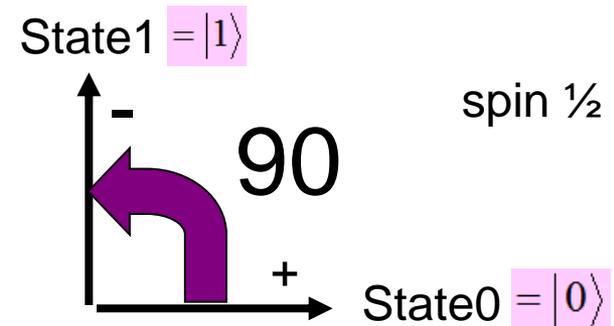
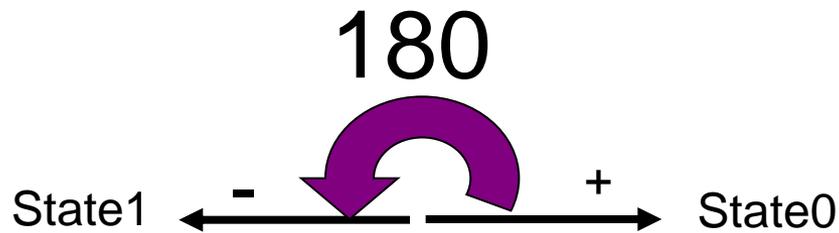
| Topic         | Classical                 | Quantum  |
|---------------|---------------------------|--|
| Bits          | Binary values 0/1         | Qubits $c_0 0\rangle + c_1 1\rangle$   |
| States        | Mutually exclusive        | Linearly independ.   |
| Operators     | Nand/Nor gates            | Matrix Multiply  |
| Reversibility | Toffoli/Fredkin gate      | Qubits are unitary   |
| Measurement   | Deterministic             | Probabilistic  |
| Superposition | <i>Code division mlpX</i> | Mixtures of $ 0\rangle$ & $ 1\rangle$  |
| Entanglement  | <i>none</i>               | Ebits $\Phi^\pm =  00\rangle \pm  11\rangle$   |

# Quantum Bits – Qubits



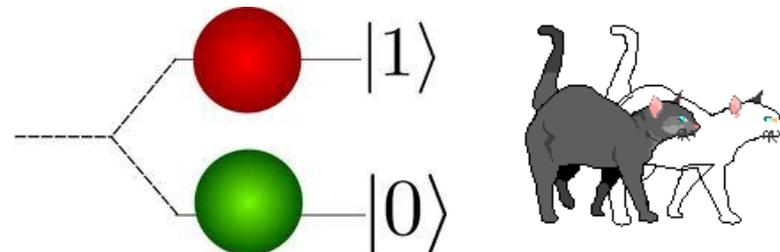
Classical bit states:  
*Mutual Exclusive*

Quantum bit states:  
*Orthogonal*

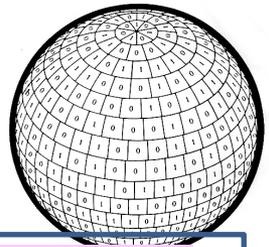


Classical states  
co-exclude others

Qubits states are  
probabilistic



# Quantum Space-Time



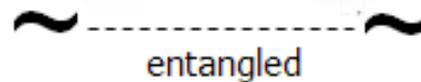
- Qubit (Quantum Bit)
  - Superposition ( $q \cdot 2$  states)
  - Unitary ops & measurement

$$\begin{aligned} \text{state}0_0 = |0\rangle &= \begin{bmatrix} 1 \\ 0 \end{bmatrix} \\ \text{state}1_0 = |1\rangle &= \begin{bmatrix} 0 \\ 1 \end{bmatrix} \end{aligned}$$

- Qureg for  $\geq 2$  Qubits
  - Tensor Product  $\otimes$  ( $2^q$  states)
  - for  $q=200$  then  $1.6 \times 10^{60}$  states

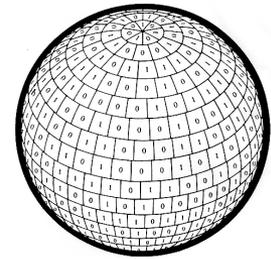
$$\text{state}0 = |00\rangle = \begin{bmatrix} 1 \\ 0 \\ 0 \\ 0 \end{bmatrix}$$

- Ebit for  $\geq 2$  Qubits acting as 1
  - Entanglement
  - Separated but states act as one
  - Non-local correlated states (EPR/Bell/Magic)

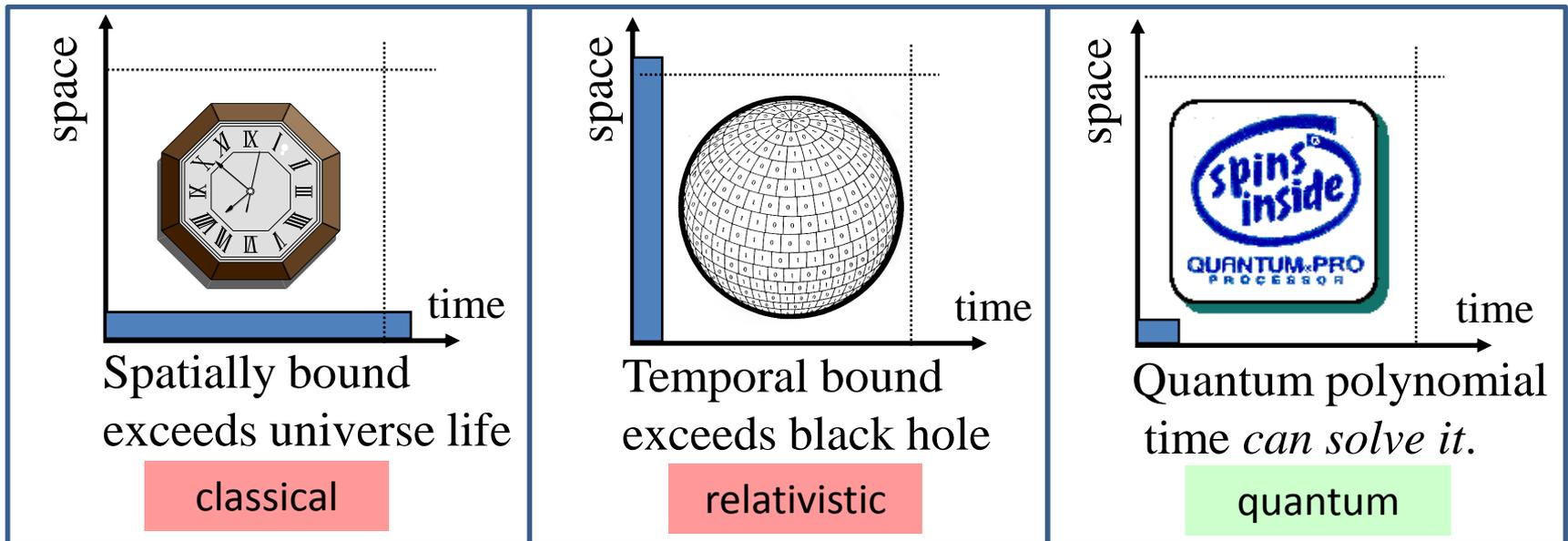


$$\begin{aligned} \Phi^\pm &= |00\rangle \pm |11\rangle \\ \Psi^\pm &= |01\rangle \pm |10\rangle \end{aligned}$$

# Quantum Computing Speedup

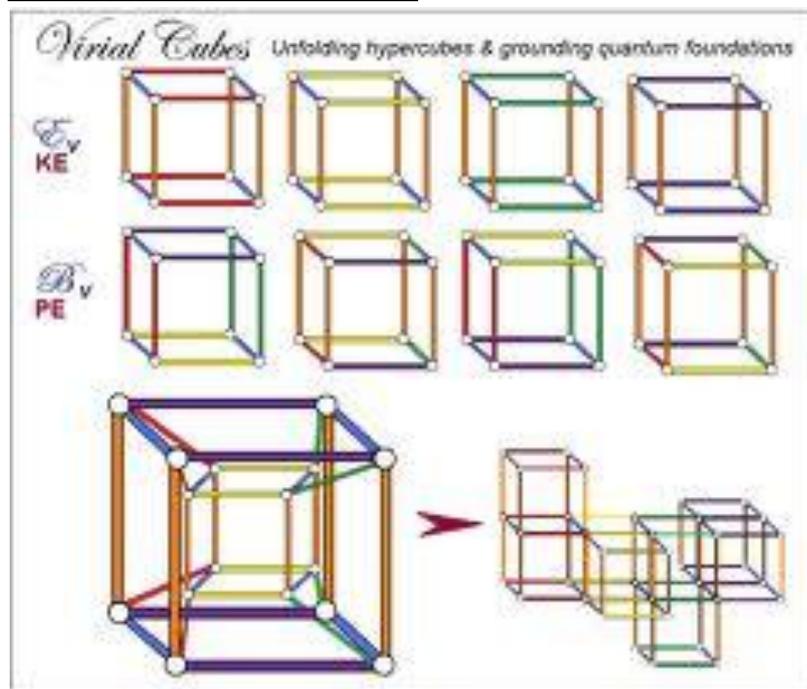
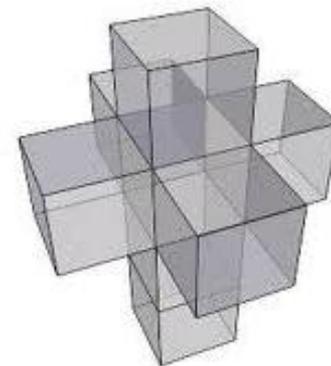
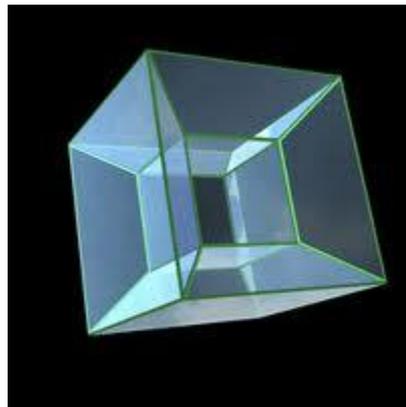
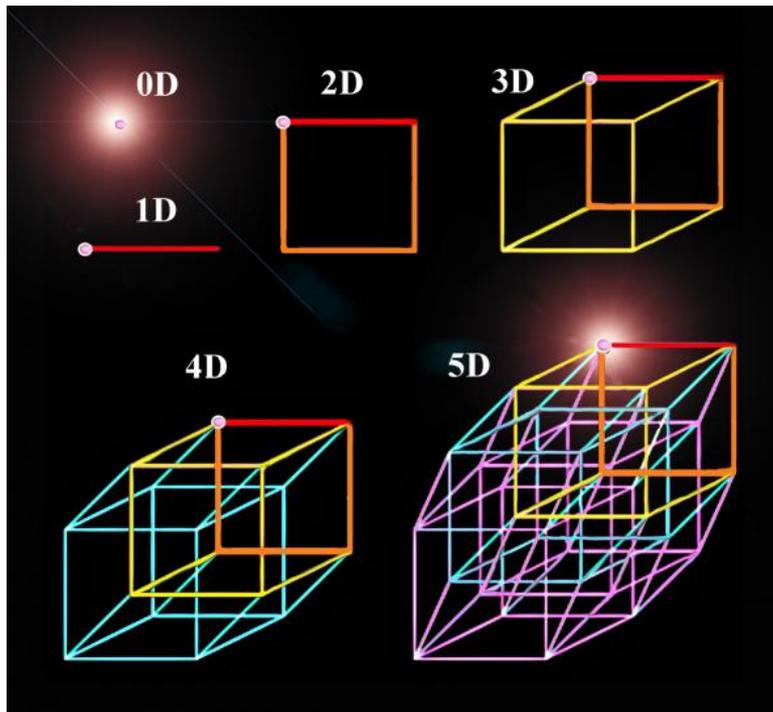
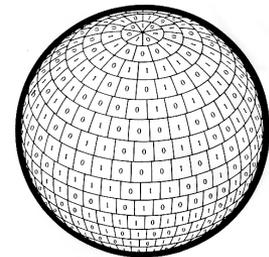


- Peter Shor's Algorithm in 1994
- Quantum Fourier Transform for factoring primes
- New quantum polynomial time complexity class



Solutions to some problems don't fit in the classical universe!!

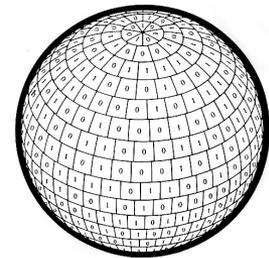
# High Dimensional Topologies



Start  
animation



# Quantum Mind Model

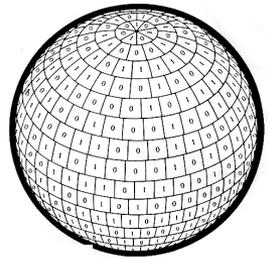


## Thoughts are dimensional strands of source

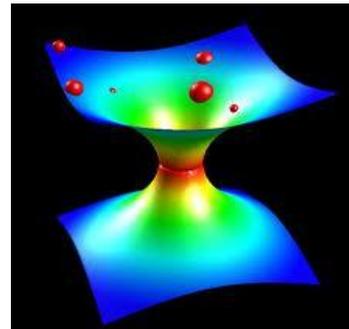
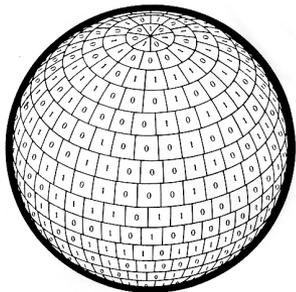
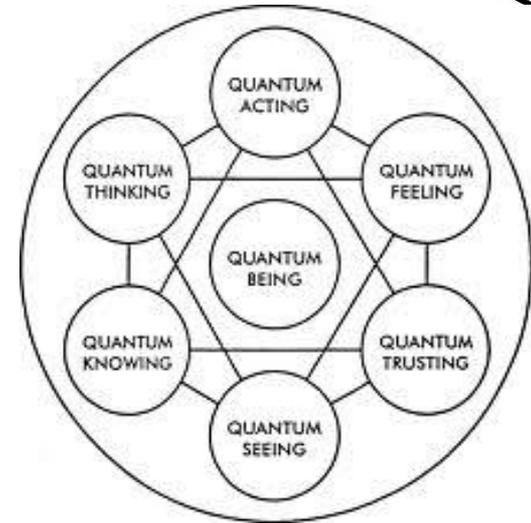
- State space is outside of 4D spacetime
- Very high dimensional state space
- Randomness is key resource
- Quantum style orthogonal states
- Probabilistic state combination
- CDMA style computational framework
- Dimensional increase due to superposition/entanglement
- Semantic relations exist & can be constructed
- Brain/mind mapping using phase invariance (patent)



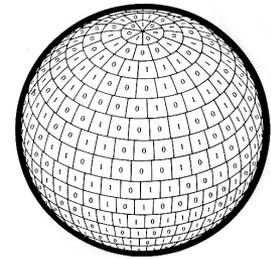
# Thoughts are Quantum Things



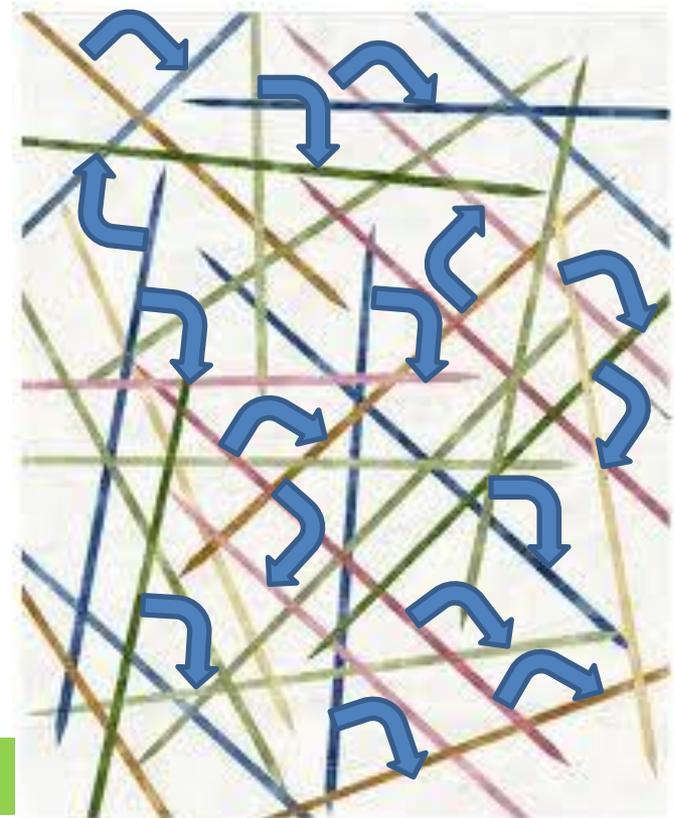
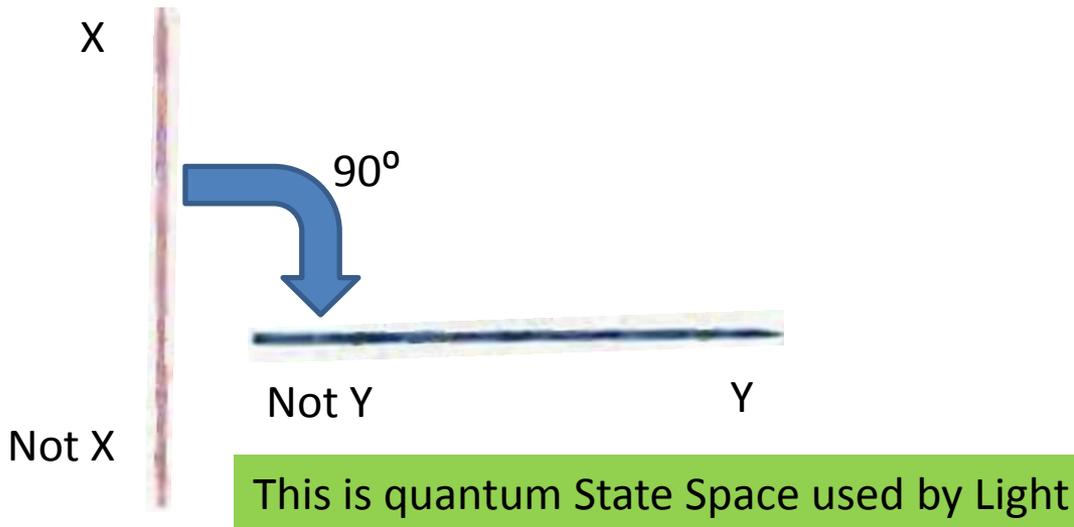
- Thoughts are 'Things'
- Information is Physical
- Wheeler's 'It From Bit'
- Thoughts affect probabilities
- Thoughts have an effective mass/energy
- Source that creates worlds



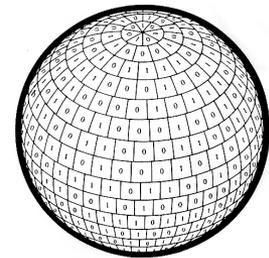
# Inclusion Based Universe



- Each dimension is own meaning (vibration)
- Each Dimension represents both X and Not X
- Not X  $\neq$  Y
- Quantum state space



# Law of Attraction as Physics?



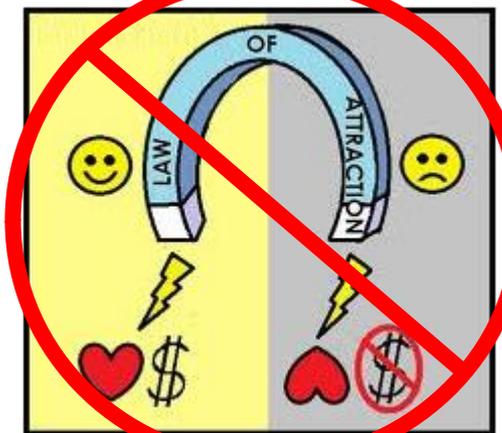
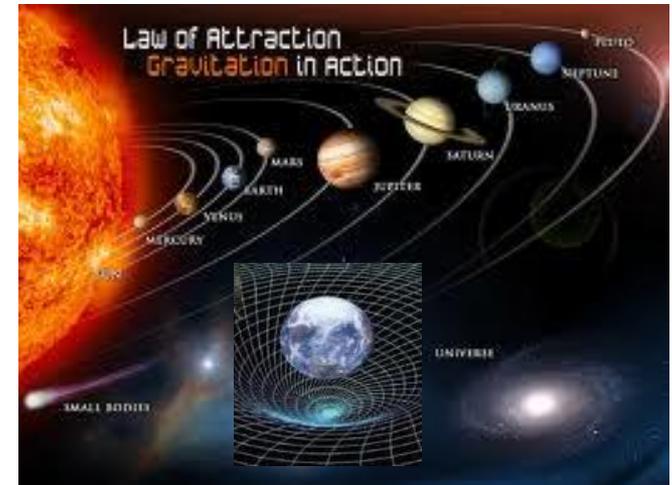
- Attraction Information Properties

- Likeness = Nearness
- Address is Meaning
- Attraction is like gravity wells
- Attraction is monopole →

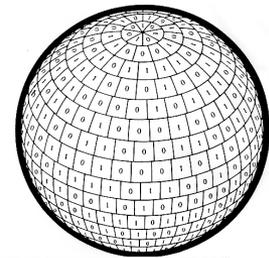
 Polarity is Energy Centric 

- Dimensional Inclusion

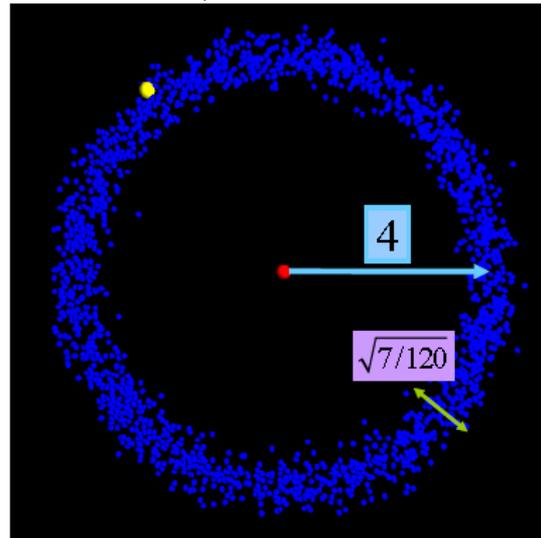
- Dimensions are bits & complexity
- Inclusion of semantics/meaning
- Semantic network topologies



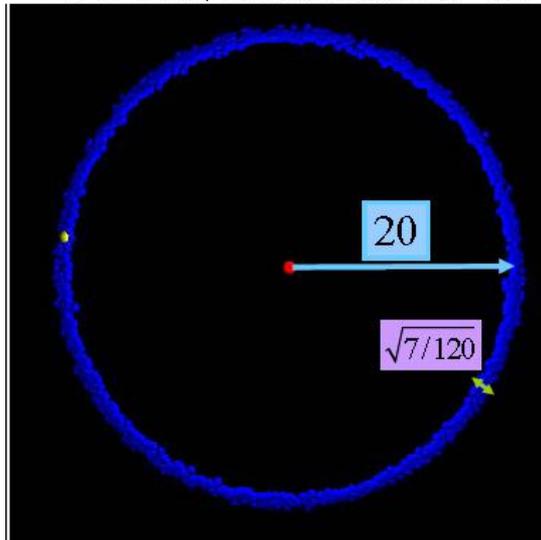
# Math of Thought Dimensions



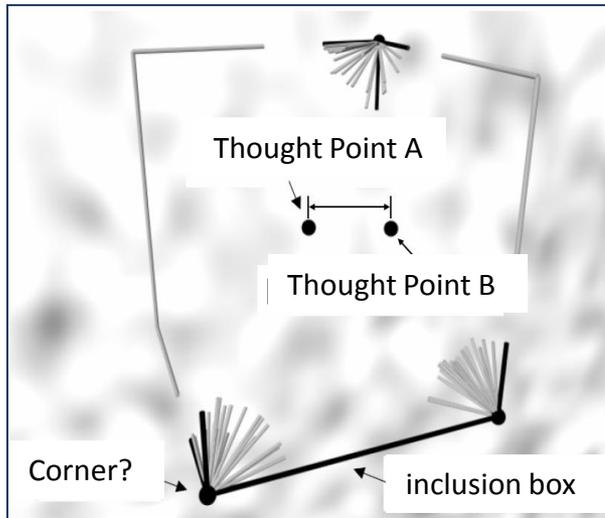
For N=96, Standard distance = 4



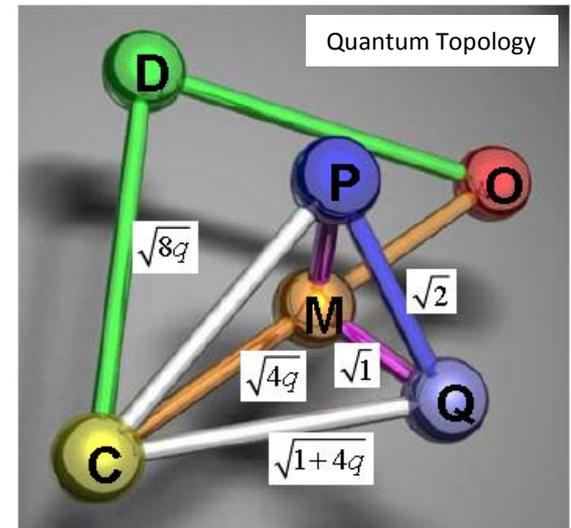
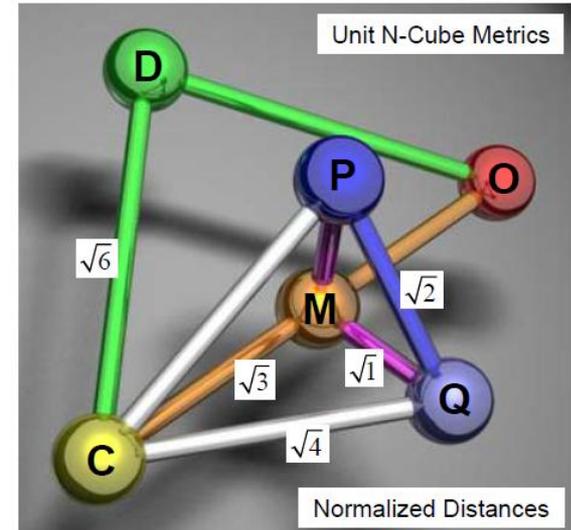
For N=2400, Standard distance = 20



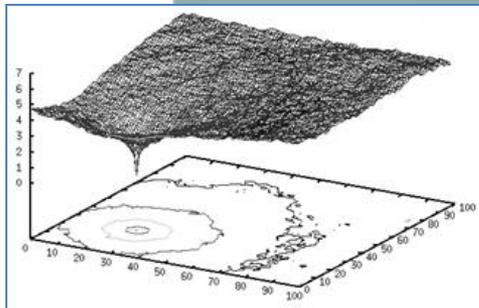
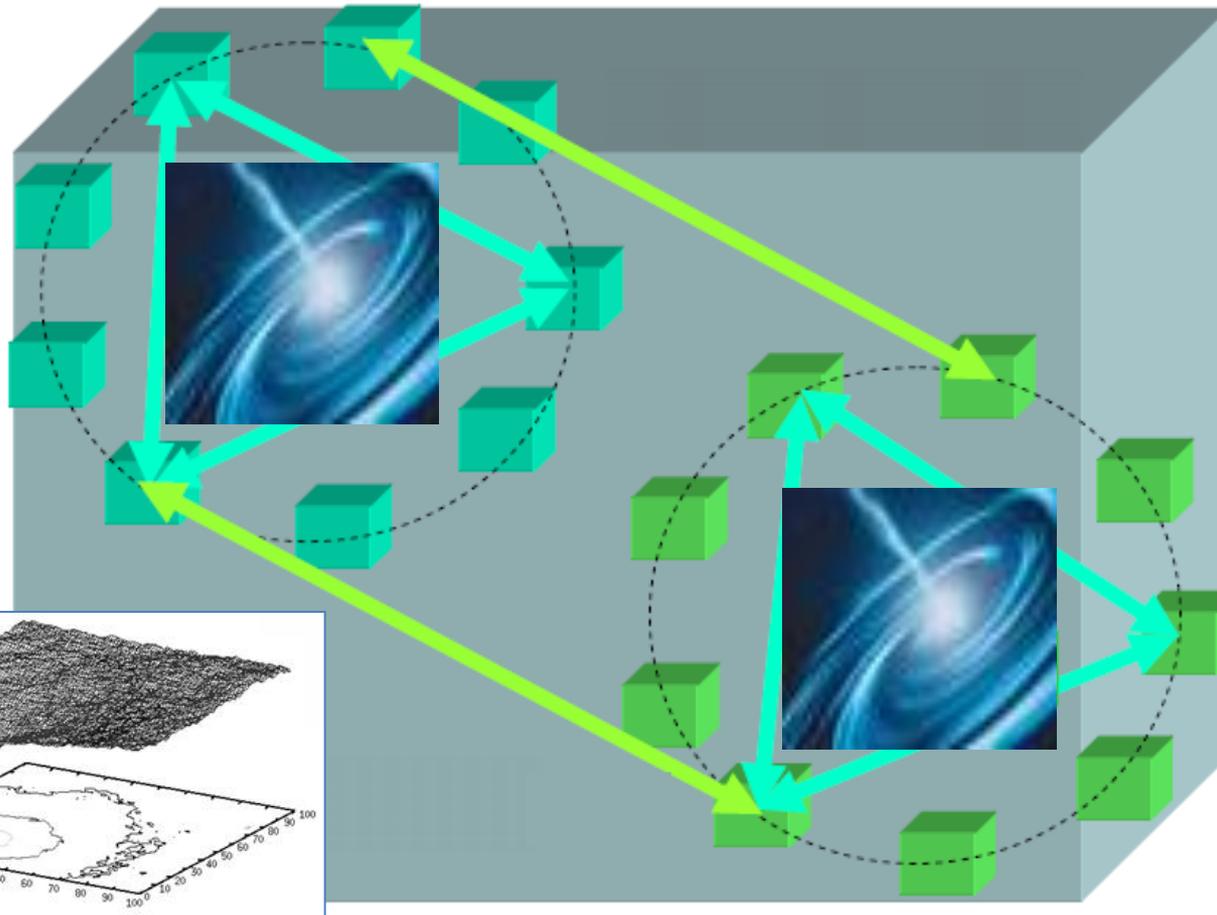
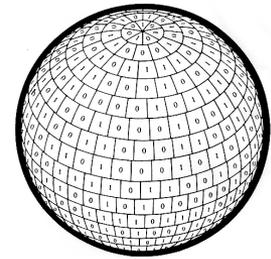
“Standard” Distance =  $\sqrt{\frac{N}{6}}$



Standard Deviation =  $\sqrt{\frac{7}{120}}$



# Vortices and Thought Mass/Energy/Bits

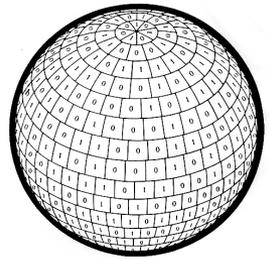


| Emotional Guidance Scale |   |
|--------------------------|---|
| 1.                       | Joy / Knowledge<br>Empowerment / Love<br>Freedom / Appreciation |
| 2.                       | Passion   |
| 3.                       | Enthusiasm  |
| 4.                       | Positive Expectation<br>Belief                                  |
| 5.                       | Optimism  |
| 6.                       | Hopefulness   |
| 7.                       | Contentment   |
| 8.                       | Boredom (neutral)   |
| 9.                       | Pessimism   |
| 10.                      | Frustration<br>Irritation / Impatience                          |
| 11.                      | Being Overwhelmed   |
| 12.                      | Disappointment  |
| 13.                      | Doubt   |
| 14.                      | Worry   |
| 15.                      | Blame   |
| 16.                      | Resentment<br>Discouragement                                    |
| 17.                      | Anger   |
| 18.                      | Revenge   |
| 19.                      | Hatred / Rage   |
| 20.                      | Jealousy  |
| 21.                      | Insecurity / Guilt<br>Unworthiness                              |
| 22.                      | Fear / Grief<br>Depression / Despair<br>Powerlessness           |

From: Ask and it is Given"  
by Abraham-Hicks pg./114

‘Like’ thoughts are semantically ‘near’ each other in localized clusters of ‘like’ thoughts

# Beings of Light Protophysics



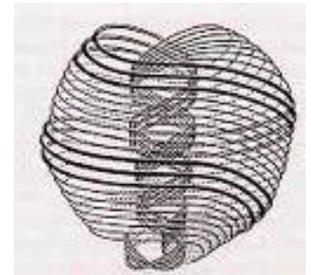
## Space oriented behaviors

- Vibration without classical metrics
- Ubiquitous
- Connectedness
- Unity and oneness
- Collective Beings
- Out of Body and Ascension



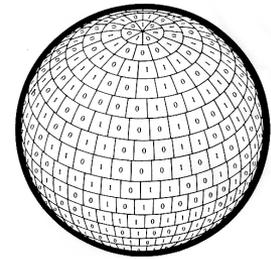
## Time oriented behaviors

- Eternal and timelessness (before time itself)
- Total experience without sequences/language
- Experience different time rates – proto-time
- Change/evolution without time

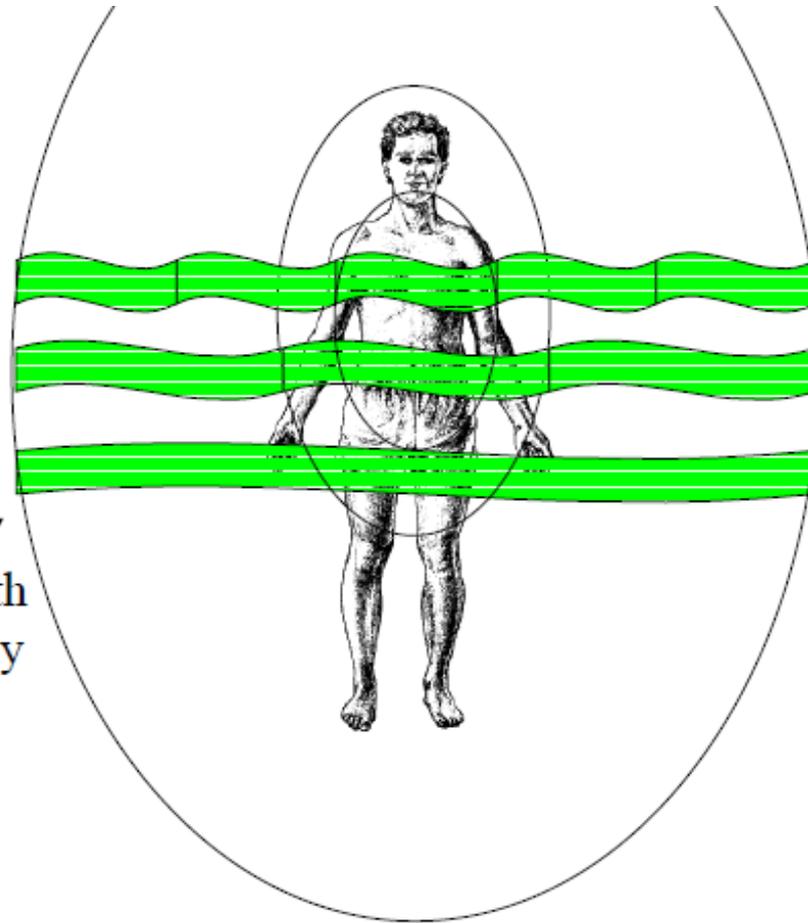


Quark or Anu?

# Quantum Mind Paradoxical Metrics



Wavelength determines Size of 'Now' Bubble



Higher Frequency  
and more sequential

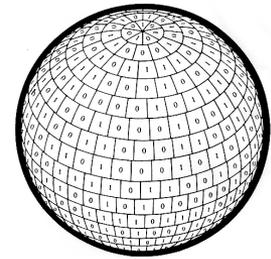
noise

energy

Longer wavelength  
leads to more unity

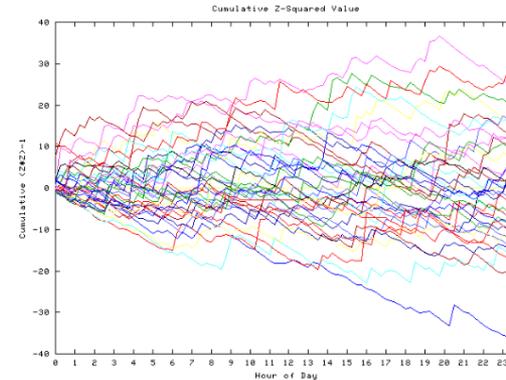


# Humans Affecting the Physical World

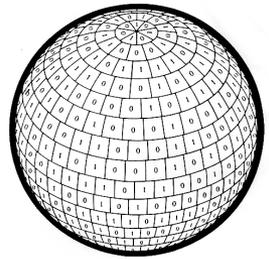


## Physical affects research

- Global Consciousness Project (on 9/11) →
- Copper Wall
- Mind affecting electronics
- Spoon Bending →
- REG, RNG & PK experiments
- Teleporting
- Orbs affect cameras →
- Manifestation
- ...



# Human Being Energy Behaviors

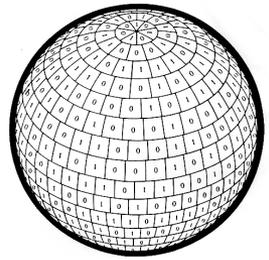


## Subtle Energy/Chi oriented behaviors

- Anchoring, squashes, phobia cures & reframing
- Grounding, balancing & clearing (QCS)
- Breathing and breath works
- Reiki and healing sciences
- Remote healing
- Subtle energy generators
- Auras, chakras, meridians, homeopathy,
- ...



# Beings of Light Energy-Info

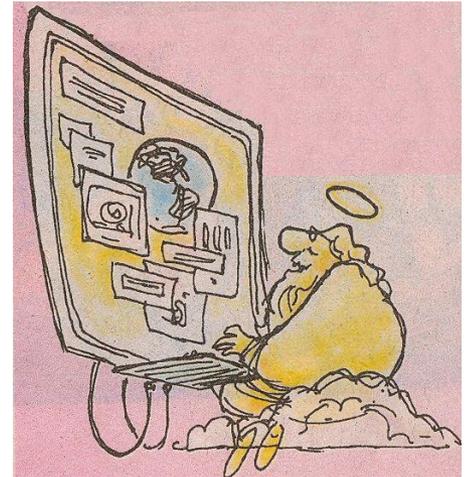


## Information/meaning oriented behaviors

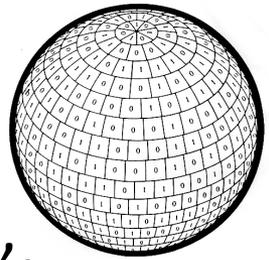
- Everything is Awareness, Consciousness & Intelligence
- All knowing and direct knowing/remembering
- Direct experience without language
- Universal Meaning without language
- Thought without brain and no-thought
- Akashic Records and Master Teachers
- Touch the Divine & exceptional experiences

## Energy

- All Powerful
- Emotion is thought amplifier (love, joy, peace, divinity)
- Thought/emotions can affect the brain/world
- Kundalini awakening, transcendence



# Quantum Dimensions Protophysics Summary



Quantum Dimensions (QDs) are root to every 'thing':

- QDs are proto-physical basis of classical space-time
- Classical world derived from QDs information properties
- Empty Space & Black holes derived from QDs
- QDs are information/intelligence and meaning
- Light derived from QDs
- Beings of Light are collections of 'intelligent' QDs
- Models of God have evolved with science advances

