



A GLIMPSE INTO THE ULTIMATE REALITY



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**Perceptions: Center for higher learning.
Understanding the Ultimate Reality scientifically.**



How all that exists is merged into one

The Ultimate Reality- What does it imply?

- All that we see around us, including ‘ourselves’ is ‘Real.’
So why do we have the notion of ‘The Ultimate Reality’?

The way we see the Universe and the way we perceive our own ‘Living’ could itself be the Ultimate Reality.
After all at least we are witness to these.

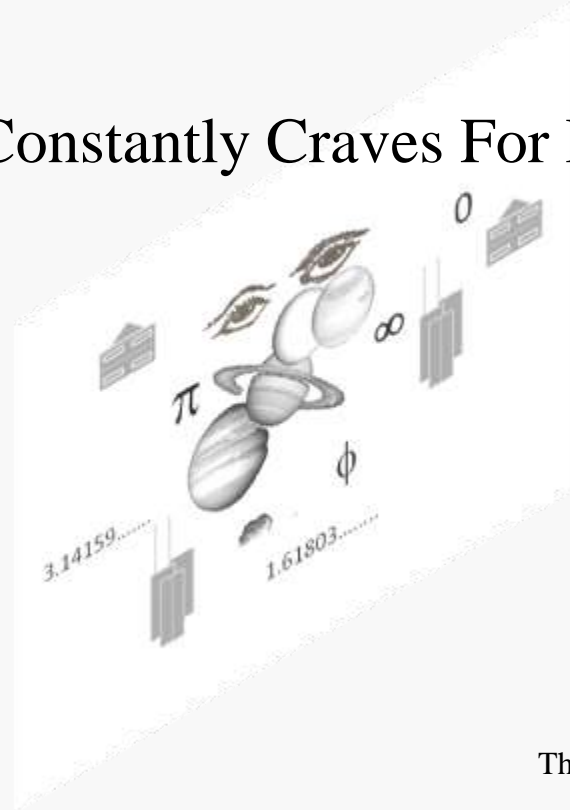
WHY THE ULTIMATE REALITY?

Why there is a need for such a Knowing?

'What lies beyond what we see. That which is beyond the realms of the Physical Universe'

Here is why

- Because of Mathematics (and The Mathematicians).
- Because Physics Perpetually Hints Us.
- Foremost: Mind Constantly Craves For It.



Different words in different languages

“Implying the same meaning”

- Physics ----- God’s eye
- Biology ----- Awareness
- Psychology ----- Higher self
- Spirituality ----- Soul
- Religion ----- God
- Mathematics ----- Mathematics (its existence)

Starting from concepts of Zero & Infinity, the very existence of mathematics through all its branches reveal how entities exist . The existence of mathematics additionally highlight the presence of the metaphysical state, beyond the entities.

Or the Ultimate Reality, all simply signify a higher state beyond the reality of the Universe we perceive.

From biophysics to 'Universe & Us'

- *Why am I saying all of this out of the blue?*
- *Why I have moved from being a professional Biophysicist to address The Ultimate Reality?*
- *Why I left academic services to start my own company?*
- *The initiative is to generate awareness on how 'We' exist in relation to the 'Universe'. But why did I take this initiative in the first place?*

There is a single straightforward answer. There are several not so straight forward components of that answer. These ‘Whys’ are addressed within this presentation against specific contexts. I hope I will be able to clarify all of these by the end of the presentation. For any ambiguity, further curiosity and specific questions you can write to me.

I am a biophysicist and biochemist by training, theoretical biophysicist and physicist by profession (until now). I was a naturally driven seeker of The Ultimate Reality, that encompasses the knowledge of the way we exist in this universe.

[In the rest of the presentation the text within the 3-D background relates to the subject that I am introducing.]

A GLIMPSE FROM MATHEMATICS

- Mathematics doesn't provide clues as to what The Ultimate Reality is like. The very existence of 'Mathematics' itself images the existence of the 'Universe'. The reason behind the existence of Mathematics parallels to the reason behind the existence of the Universe and the Mind.

Soon after perceiving how we exist in relation to the Universe, I became truly astounded with the existence of Mathematics and the concepts that emerge through it.

Major branches in Mathematics

- Arithmetic
- Geometry in all of its forms
 - Euclidean
 - Coordinate
 - Differential
 - Algebraic and relating to Topology
- Trigonometry
- Set Theory
- Algebra
- Calculus
- Statistics and Probability
- The Mathematics that goes into the Advanced Concepts and Theories
 - Topology
 - Parallel-dimensions
 - Calabi-Yau Space
 - String Theory and its inbuilt Symmetries and Super-symmetries
- & Mathematical Paradoxes (I will get to some of them)

*All of these in one way or
the other reflect the way
the Universe exists*

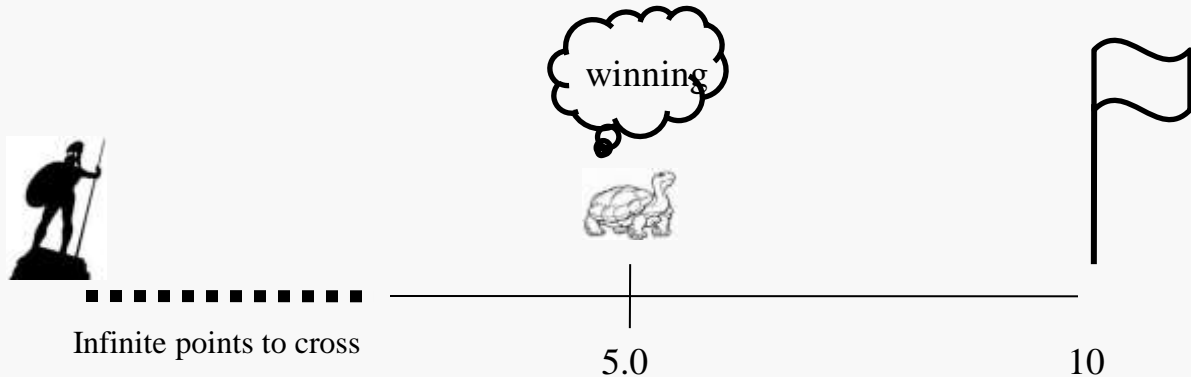
A simple arithmetic

“Countability Is possible only because there is an empty space present between the counts”



Zeno's paradox:

Achilles cannot win a race with tortoise if tortoise starts slightly ahead. Paradox exists because of infinite countability between any two points of the race track.



Example: Between points 1 and 2, infinite points (in no specific order 1.12, 1.13, 1.14; 1.121, 1.122, 1.123; 1.211, 1.212, 1.213.. so on) exist.. Mere counting generates the counts. There is no upper or lower limits, or a specific range of counts in between counts.

This lead us to -

The concept of Zero and Infinity

- ‘Zero’ is not an entity that is smaller than 1, it is simply the empty less-ness before One. Addressed as ‘nothingness’ in ancient philosophical texts, ‘Zero’ implies the absence of countability.
- Similarly ‘Infinity’ refers beyond countability. Infinite counts emerge through ‘nothing-ness’. ‘Nothing-ness’ refers to Empty Space that is a medium for the counts to emerge.
- Similarly, the physical entities, cosmic to quantum levels, exists through the empty space, a notion that is addressed as God’s eye in Physics and Metaphysics.

*Theories and concepts in advanced physical sciences and teachings in ancient religious texts advocate the presence of the all pervading empty-ness. **‘Self-realization’ proves it.** The property of the ‘Empty-space’ and what ‘Self-realization’ refers, I will address it shortly.*

INFINITIES

Set theory in mathematics describes different levels of infinities, based on the count density a particular set.

For instance: 1, 2, 3, 4 as discrete entities are part of a set.

In comparison there are numbers which have infinite decimal expansion. As a result their number space will be far more dense.

Through the different levels of Infinities originated the concept of the Universal Set

Russell's paradox:


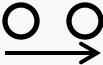



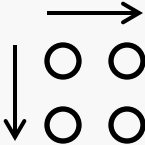
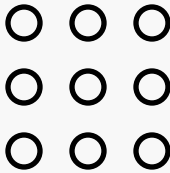
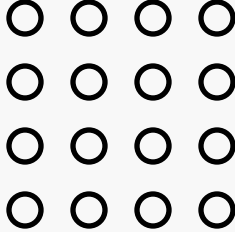

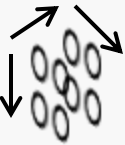

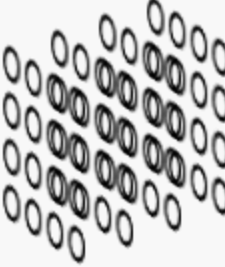
A universal list, which contain all the lists.

The notion basically imply that that the universal list should be part of itself, for the statement to be correct.

The power set of a set can explain how a universal set can be a set of itself, simply because the power set takes into account the presence of the Empty Space.

I cannot go into complex details in this introductory presentation. This is explained, in a general readers language, in my forthcoming book on How We Exist Relative To The Universe.

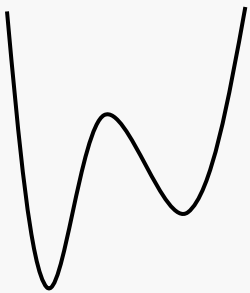
Mathematics in its simple forms

	1	2	3	4
SINGLE-DIMENSIONAL				
Squared Represent 2-DIMENSIONAL.				
	$1^2(1)$	$2^2(4)$	$3^2(9)$	$4^2(16)$
Cubed Represent 3-DIMENSIONAL.				
	$1^3(1)$	$2^3(8)$	$3^3(27)$	$4^3(64)$

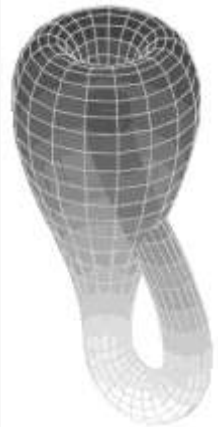
The 'one' remains same through all the dimensions itself gives a profound meaning on **one-ness through parallel universes**. How it does is covered in the forthcoming title. Also is explained how such simple logics highlight the significance and intricacies of **Pythagorean theorem** and **Fermat's last theorem**.

MATHEMATICS IMAGES THE PHYSICAL UNIVERSE

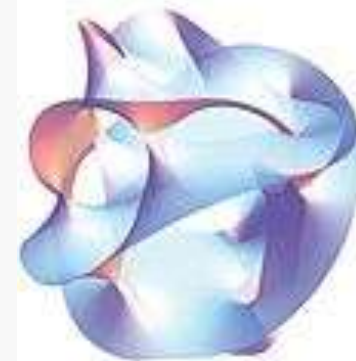
- These are only tiny amount of glimpses from simple mathematics. The true relevance of ‘Empty space’ is found in branches such as Arithmetic, Geometry, Set theory, Algebra and its complex forms.
- Mathematics in its complex forms such as Topology, Calculus, its higher dimensional forms (such as Calabi-Yau manifold) can highlight how the Universe exists through the continuum of the entities, and why it is nearly impossible for us to come across that which lies beyond the entities.



A polynomial expression



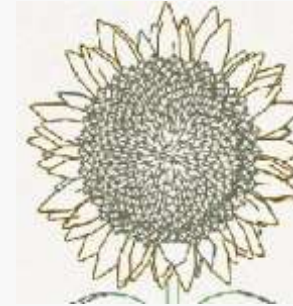
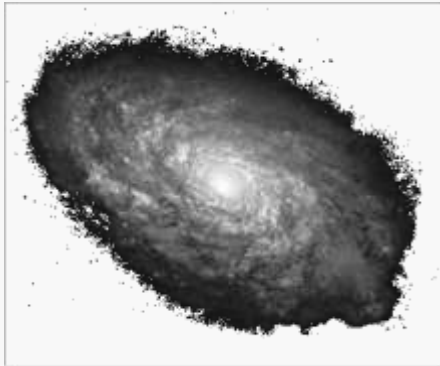
Klein bottle: A Mathematical form



Calabi-Yau manifold typifies continuum of entities through higher dimensions

A little glimpses on Mathematics and Universe from my upcoming book.

THE UNIVERSE IS MATHEMATICAL



Some of the natural objects (from an ever expanding list) that reflect a mathematical pattern, known as The Golden Ratio. The number (1.61803) denotes an unending decimal expansion.

THE MIND IS MATHEMATICAL TOO



Parthenon



Mona Lisa



Pyramid of Giza



Notre Dame



World class music symphonies
(such as by Mozart and Beethoven)

Beautiful man made objects and human creativities that please the mind reflect the Golden Ratio too.

THE UNIVERSE AS WELL THE MIND IS MATHEMATICAL

- The way the universe exist is the same as the way the mind does. The entities of the universe (from cosmic to quantum levels) and the entities of the mind (emotions, memories, desires etc.) exist through the ‘Empty Space’.

“Empty space is not just the absence of entities. Empty space symbolizes a property beyond forms (addressed in later sections)”.

Beyond Our Five Senses the Physical Universe and The Mind is one. Power Set in The Set Theory, Polynomial Expressions, Mathematical Hyperspaces, Objects from Topology and Mathematical Exponentiations Illustrate this Most Beautifully. Self Realization Proofs it.

The Mathematics has a power to illustrate most elegantly how the parallel worlds, encompassing the Universe and the Mind entities exists through Empty Space. The findings in classical and advanced physics corroborate such illustration. The Self Realization proofs it.

PHYSICS CORROBORATES WHAT MATHEMATICS ILLUSTRATES

- Classical mechanics
- Thermodynamics
- Special and General Relativity
- Time-Space continuum
- Heisenberg's uncertainty
- Quantum Mechanics
- Proposed unification of Matter and Forces by the String Theory and all its forms.

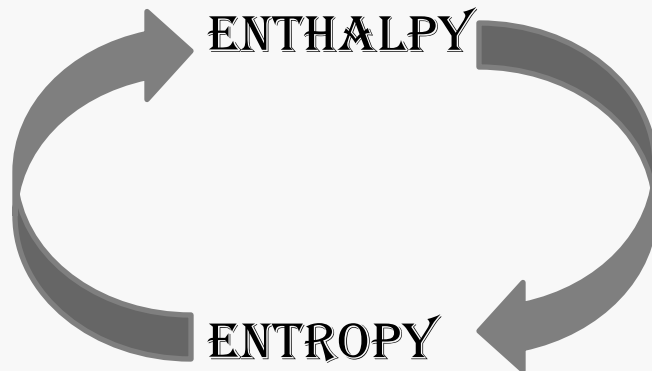
All of the above demonstrate that “To Exist is to Co-Exist”

The Mass-Energy and Universal Forces Exist through Dualities.

Action-reaction; Enthalpy-entropy; Mass-energy; Space-time; Space-movement; Particle-wave; Mass-gravity; Matter-antimatter; Mass-force; Positive-negative. Any theory or discovery from any branch of Physics tells us that all exists in partnership. One implements because the other is present.

THE EXISTENCE THROUGH CO-EXISTENCE

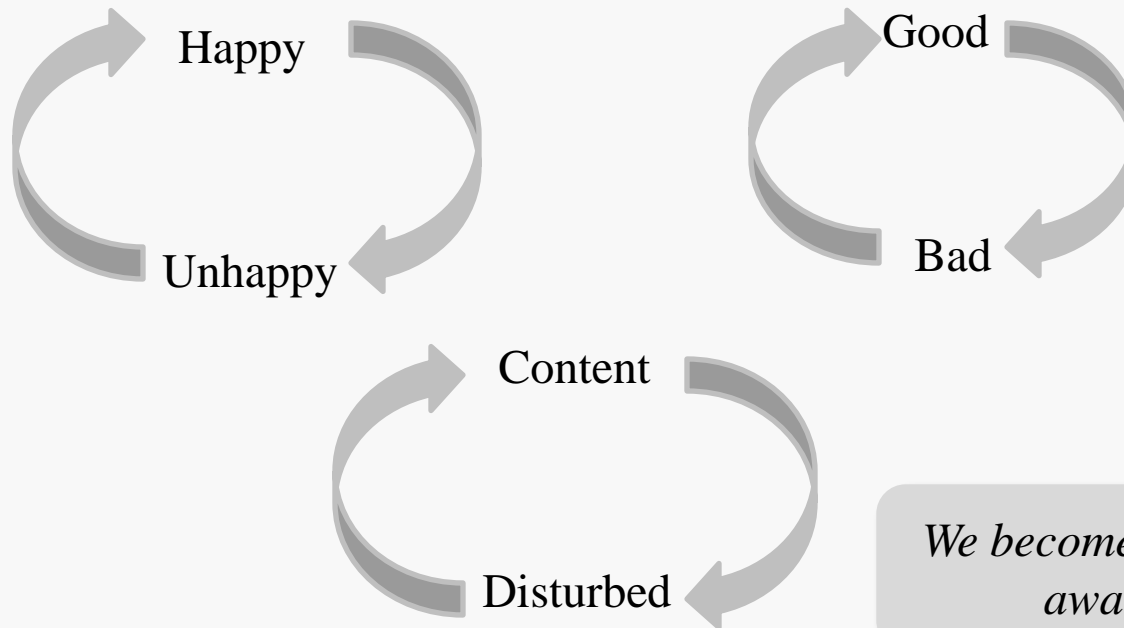
- Co-existence imply concurrence. The partners are the flip sides of the same coin, while only one implements at any given point of time.



Enthalpy and Entropy are the flip sides of the same coin. Only one implements at any given point of Time

THE EXISTENCE OF MIND THROUGH CO-EXISTENCE

- Mind entities exist in concurrence too.



We become one because we are aware of the other.

CONCURRENCE IN PERPETUITY

Concurrence implements through all that there is (that includes the Universe and The Mind), through masses, through energies, through forces. Concurrence implements in the Universe through Parallel Universes. Physics from every angle tells us about the presence of the 'Concurrence'. Mathematics beautifully illustrates how concurrence prevails through the Empty Space. Mind entities justify the essentiality of concurrence. Self realization proofs the prevailing concurrence through the Empty Space.

Because of the introductory level of this presentation I can highlight only a small number of points from the subject that I am trying to initiate. There are exponential details and astonishing beauty on the path that reveals The Ultimate Reality.

For instance, how 'concurrence' is essential for the Universe and Mind cannot be covered here. Or what is the role of concurrence in the implementation of parallel universes cannot be covered here either. For queries and talks write to me. Or look for my upcoming title.

WHAT IS MIND?

- The sum of entities that exist through us
 - Emotions & Desires
 - Memory
 - Dreams

Independent of these entities we have the five senses through which we perceive the Physical Universe.

WHAT IS MIND? WHO ARE WE?

- We have external entities through the five senses.
- We have internal mind entities.

We cannot be any of these entities, because either we are perceiving it or we are feeling it. Could we be the Empty Space, through which the entities prevails? Science, Philosophy and Religion suggests we are. Mathematics illustrates it how. Self Realization proves that the real plane is the Empty Space.

“Empty space is not just the absence of entities. Empty space symbolizes a property beyond forms (addressed in the next slide)”.

THE PROPERTY OF THE EMPTY SPACE

- If the entities prevail through Empty Space. The all pervading Empty Space should have a property.

That property is “being aware” or a “watcher”.
Ancient spiritual texts note the presence of ‘Awareness’
Physics indicates its presence.
Self realization puts you in that plane.

The Significance of ‘Watcher’ is only there because there is something to watch. The watcher and the entities co-exist.

THE UNIVERSE AND ITS PARALLEL UNIVERSES

- The existences of parallel universes, that include human existence, can be beautifully illustrated when we take into account the entities of the mind.

Complex polynomials, mathematical topology , general relativity and the mathematics of the string theory illustrate the existence of the parallel universes through all the entities (The Universe and The Mind). The outcome is the same fact which is perceived upon Self Realization.

This is an introduction in a minute quantities. The details are not just end-less, they are the most ravishing.

THE UNIVERSE AND US: THE SELF REALIZATION

- **Advaita** is a Sanskrit word meaning “They are not two things” (literally- Non-duality). Its origin is in spiritual philosophical texts Upanishads from ancient India. It refers to the metaphysical state, beyond all the entities. It addresses the all pervading consciousness (awareness) through which entities exist.
 - Self Realization is realizing the all pervading awareness through the mind. Self realization is realizing the true identity of the self. The ultimate identity of all that exist is ‘Watcher’, beyond all entities (of the Universe and the Mind).

I was a natural seeker of the ultimate reality for many years. I was keen to understand what it means to be spiritual, and what has been addressed in spiritual and metaphysical teachings. One day on my way to the office in a relatively contemplative state I perceived the all pervading awareness, through the identity switch from being an ‘Entity’ to being a ‘Watcher’.

HOW WE EXIST RELATIVE TO THE UNIVERSE

MY EXPLANATIONS THROUGH THE NEW ENDEAVOR SHOW:

- How Mathematics and Physics direct us toward The Ultimate Reality, when we take into account the entities of the Mind.
- How Mathematics and Physics of the Universe and Mind illustrate the unification of all that there is.
- How The Mind is a part of The Space-Time continuum.
- How the Physical Forces shield The Ultimate Reality.
- How the world we perceive is actually a Gigantic Dream State.
- How are the Forces of the Universe implement through us.
- How We exist through Parallel Universes.
- Why there are Parallel Universes.
- How the metaphysical Non-duality stands true for the Universe and the Mind entities too.
- What is the significance of the Ultimate Reality in the absence of the entities.

HOW 'WE' EXIST RELATIVE TO THE 'UNIVERSE'

- For queries, curiosities, upcoming titles or if you want me to give a talk please write to me:

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636-536-2331.

- Please check the website for current undertaking and related information.

www.perceptions.iwarp.com



*I look forward to hear from you. I look forward to
all that we can see together.*

P. S.: Do not get baffled by the involved mathematics and theories in physics. Their complex forms are presented in a most simplified way to illustrate what The Ultimate Reality is like. The subject is for everyone who is interested in understanding the Ultimate Truth, their own life or what 'Living' means in scientific terms.