



A GLIMPSE INTO THE ULTIMATE REALITY



How all that exists is merged into one

The Ultimate Reality. Why?

- 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 perceive our own ‘living’ could themselves be the Ultimate Reality. After all we are witness to them, to say the least.

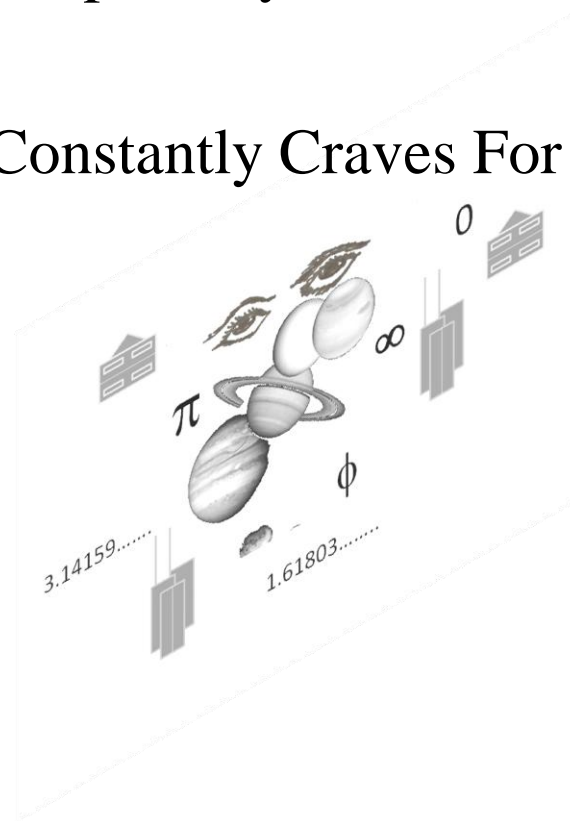
WHY THE ULTIMATE REALITY?

Why there is a need for such a Knowing?

*‘What lies beyond what we see, that could be
aside the folds of Physicality’*

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”*

Studies of physics, biology, mathematics, psychology and metaphysics point to the ultimate tapestry in their own contexts, and by their own terminologies, all in a nutshell insinuating a state besides the reality of the universe we perceive.

Starting from concepts of Zero & Infinity, the very existence of mathematics through all its evolving branches happen to reveal how entities exist, and even continue .

From biophysics to ‘Universe & Us’

- *Why am I saying all of this out of the blue?*
- *Why I have moved from biophysicist to the new initiative of addressing the Ultimate Reality?*
- *Why I left regular academics to take up this initiative?*
- *The initiative is to communicate how ‘We’ exist in relation to the ‘Universe,’ and understand the scientific rhythm of the Ultimate Fabric that has “us” within it.*
- *But Why?*

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. For any ambiguity, further curiosity and specific questions you can write to me.

I am a biophysicist and biochemist by training, theoretical biophysicist by profession (until now). I was a naturally driven seeker of The Ultimate Truth, which 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 trying to communicate.]

A GLIMPSE FROM MATHEMATICS

- Mathematics doesn't provide clues as to what the Physicality is like, or what the Ultimate Texture could be. The very existence of 'Mathematics' itself images the existence of the 'Universe.'*
The reason behind the existence of mathematics apparently parallels to the reason behind the existence of the universe and the mind.**

* a well pondered fact in mathematical community

** explanations in my forthcoming book.

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 another reflect the way the Universe manifests and goes on

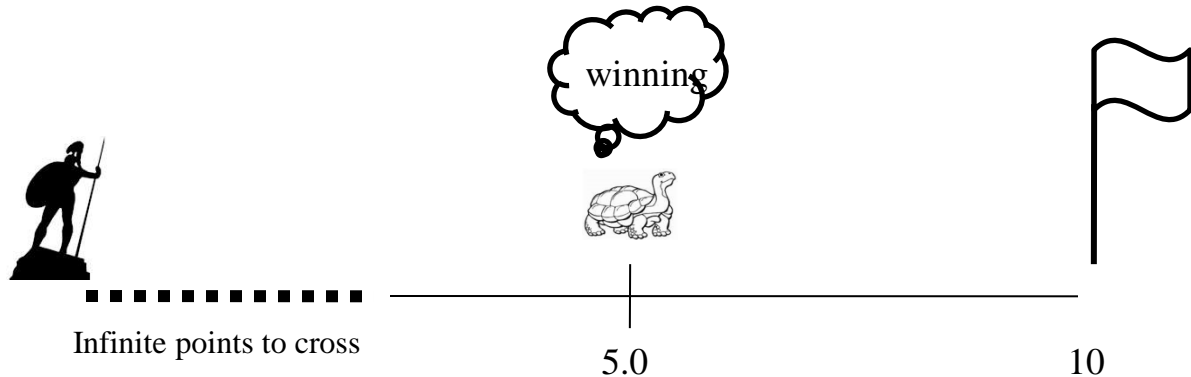
A simple arithmetic

“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-ness before One. Addressed as ‘nothingness’ in ancient philosophical texts, ‘Zero’ would imply the absence of countability.

*Theories and concepts in advanced physical sciences and teachings in ancient philosophical texts advocate the presence of an extent besides the furls of space-time. The ‘self-realized’ call it the ‘Watcher’. The aspect of ‘watcher’ self sprouts in the empirical judgments and mathematical explanations**

INFINITIES

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

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 different levels of infinities originated the concept of the Universal Set

Russell's paradox:


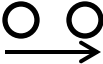



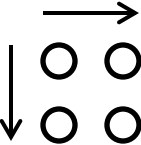
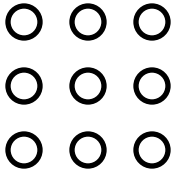
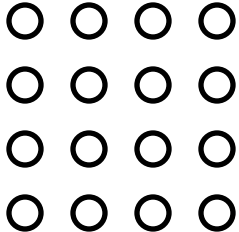

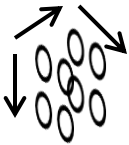

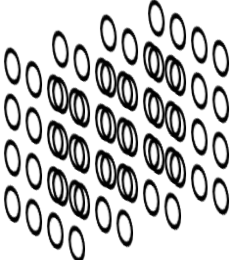
A universal list, which contain all the lists.

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

Such mathematical paradoxes are in fact revelatory, and point to a larger conceivable picture of the actual reality.

I cannot go into more detail in this introductory presentation. This is explained with a possible resolution, in a general reader's layout, in my forthcoming book on How We Exist Relative To The Universe.

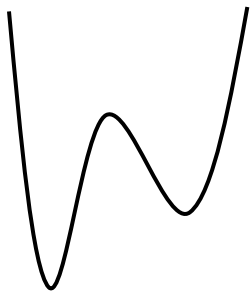
Mathematics in its simple forms

| | 1 | 2 | 3 | 4 |
|---|---|--|--|--|
| SINGLE-DIMENSION |  |  |  |  |
| 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. This 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**.

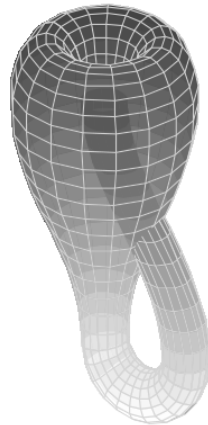
MATHEMATICS IMAGES THE PHYSICAL UNIVERSE

- These are only tiny amount of glimpses from simple mathematics. The detailed shine of physicality, and how utmost space-time flows can be envisioned from fields of Arithmetic, Geometry, Set theory, Algebra and its complex forms.
- Mathematics in its complex states such as Topology, Calculus, the 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 apart the entities.**



A polynomial expression

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

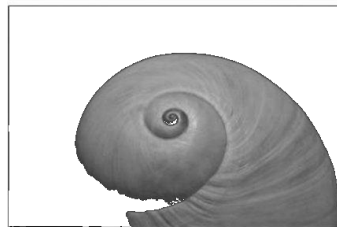
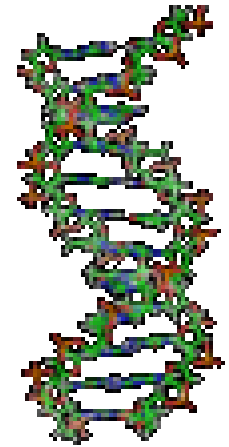
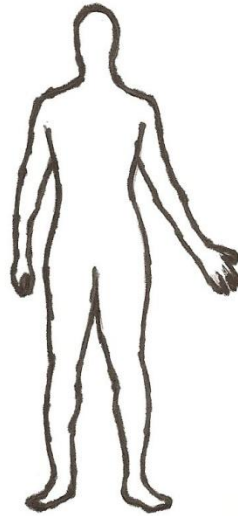
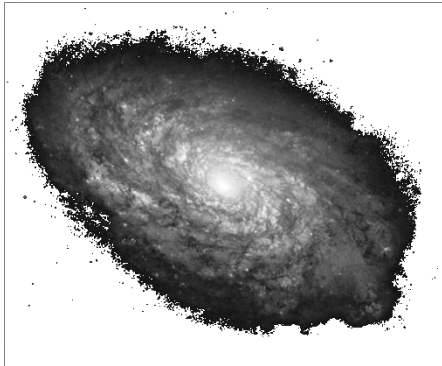


Klein bottle: A Mathematical form



Calabi-Yau manifold typifies continuum of entities through multi-dimensions, higher than that of three that we sense

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 in concordance with an extent besides physicality, or the “Watcher” that seers point to, the “Observer” of physics, and the empty-space in the tone of mathematics.

“The mathematical empty space doesn’t symbolize absence of entities, rather an extent stretched alongside entities (addressed in later sections)”.

Beyond our five senses the encountered universe and the sensed mind is one. Power set of the set theory, polynomial expressions, mathematical hyperspaces, and the topological objects Illustrate this most beautifully, and there are there are sturdy clues from physics

Mathematics has a power to illustrate most elegantly how the parallel worlds, encompassing the universe and the mind entities exists. The findings in classical and advanced physics run alongside such illustration.

PHYSICS CORROBORATES WHAT MATHEMATICS ILLUSTRATES

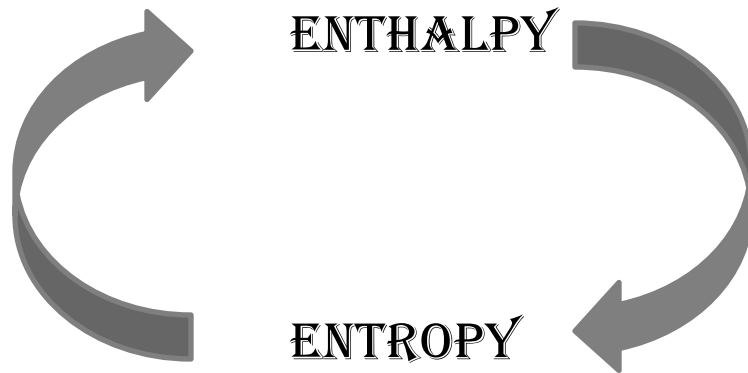
- Classical mechanics
- Thermodynamics
- Special and General Relativity
- Quantum Mechanics
- Proposed unification of matter and forces by the string theory and all its modernizations.

*As an example principles of physics tell us that To Exist is to Co-Exist
Advanced concepts suggest that the matter and the universal forces exist through
“dualities.”*

Simple examples of duality are Action-reaction; Enthalpy-entropy; Mass-energy; Space-time; Space-movement; Particle-wave; Mass-gravity; Matter-antimatter; Mass-force; Positive-negative. The workings in the universe occur in partnerships. One implements because the other permeates.

THE EXISTENCE THROUGH CO-EXISTENCE

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



Enthalpy and entropy are the flip sides of the same coin.

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 encountered universe and the perceived mind), through masses, through energies, through forces. Even the manifestation of parallel universes would be the order of concurrence. Physics from every angle highlights the infiltration of 'Concurrence.' Mathematics beautifully illustrates how concurrence (or symmetry) prevails alongside the image of the empty space. Mind states and dream manifestations could point to the essentiality of concurrence, and the span stretched alongside, that is indicated as Watcher by the seers .

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 communicate. There are exponential details and astonishing beauty on the path that could lead to the ultimate schematic of space-time, and its evolution.

For instance, how 'concurrence' is essential for the Universe and Mind, or what is the role of concurrence in the implementation of parallel universes cannot be covered here. 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, Interests, Passion
 - Memory
 - Dreams

Independent of these entities we have the five senses through which we perceive the 3-D 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 at the ultimate level the span that extends alongside the elements—the Watcher? Scientific observations and ancient philosophy suggest we are. Mathematics illustrates it how. Self-realized point to that plane.

Duality, or concurrence again....

The Significance of 'Watcher' would be there because there is something to watch. The watcher and the entities would 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—of the universe and mind.

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

HOW WE EXIST RELATIVE TO THE UNIVERSE

THE TOPICS COVERED IN MY UPCOMING BOOK:

- How Mathematics and Physics direct us toward the manifestation and evolution of the ultimate space-time 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 would actually be 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 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:

nsinha@perceptions.iwarp.com;

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 would be like. The subject is for everyone who is interested in understanding the ultimate streaming of space-time, their own life or what 'living' means in scientific terms.