



*Why the Universe is the way it is?*

*Why we see what we see?*

*How do 'We' exist relative to the Universe?*

*Why physical laws implement?*

*Why the Universe is mathematical?*

*How the Universe operates as an entity?*

*What is our role in the operations of the Universe?*

*What is mind?*

These are not just philosophical questions. All of these need to be addressed accurately so that the meaning behind the existence of the Universe and the human can be perceived. Without this understanding the life is perhaps nothing more than a deep sleep, where we live by groping our way through the emotions. Toward addressing the above enquiries we have three sets of facts in hand-

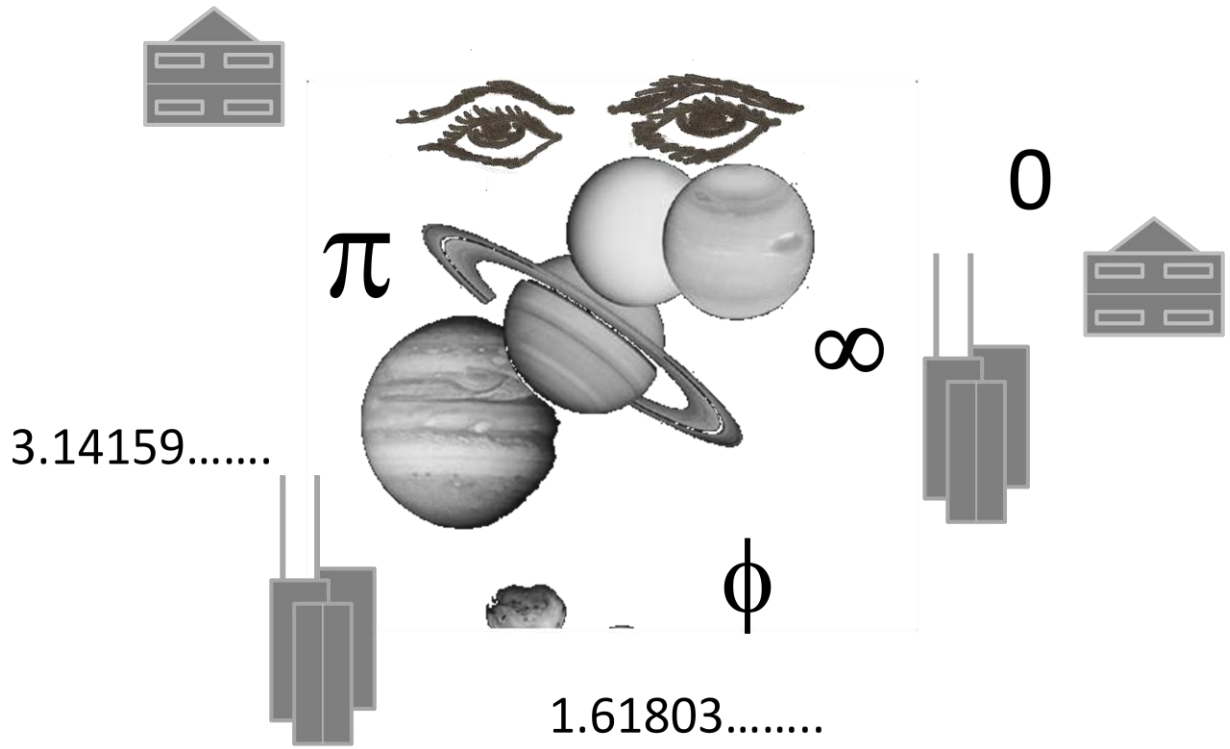
- 1) **The universe is unified through the laws of physics.** The matter-energy exists through the physical laws. The way physics operates here is the same as in the most distant galaxies that we can see.
- 2) **The universe is mathematical.** The more we study the more we find that mathematics reflects the universe and vice versa. Mathematical number patterns are

found in every aspect of the nature and the universe. It is as if the universe exists in the language of mathematics. Not only the physical world but also our choices and creativity display these same mathematical patterns too. In fact mathematical concepts themselves illustrate the way universe exists.

- 3) **We all know, without a doubt, that the mind exists**, even though its existence cannot be proved. We all have a set of things that exist inside us - thoughts, emotions, memories, dreams, images and desires.

How can we utilize the above-mentioned three sets of information to interpret how the universe exists? And how humans exist in relation to the universe? The preliminary requirement would be to figure out how the ‘Mind’ exists within the mass-energy framework. Einstein’s theory of general relativity illustrates how the space-time fabric exists through gravity. We need to know where the entity ‘Mind’ fits within this framework. **This is what I am addressing in the forthcoming book that explains:**

- *What does the concepts in mathematics and the theories in physics tell us on how the humans exist in the universe.*
  
- *How mathematics, advanced physics and the way we perceive the universe support a unified fact, and how human, as ‘entity’, is a part of the space-time continuum.*



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**Operating physical laws of the Universe:**

*Classical mechanics*

*Thermodynamics*

*Matter-energy equivalence through  $E=mc^2$*

*The special relativity*

*The general relativity: The space-time fabric through gravity*

*The space-time continuum and a unified field*

*The 'Time' and the 'Movement'*

*The accelerating universe and cosmic expansion*

*Heisenberg's uncertainty*

*Wave particle duality*

*Quantum mechanics*

*Various angles of the string theory*

*Inbuilt symmetries and super-symmetries (in physics, mathematics and nature)*

*All of these in one way  
or the other reveal the  
Hidden Reality*

**The Mathematics:**

The arithmetic

Geometry in all of its forms

Euclidean

Coordinate

Differential

Algebraic and relating to topology

Trigonometry

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

& The mathematical paradoxes.

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## **The Mind**

The five senses

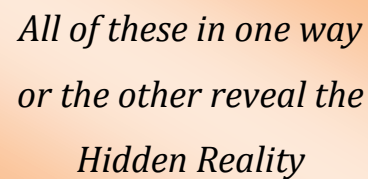
Our perceptions

The emotions and feelings

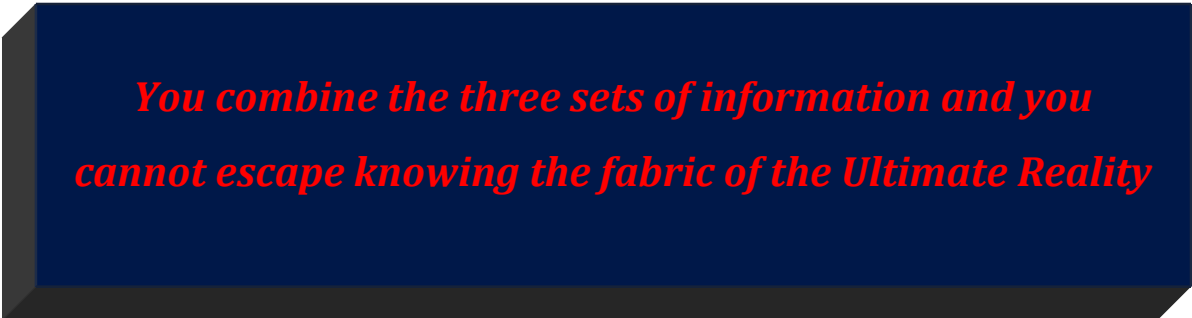
The sleep and the dream

The desires and visions

The timeline of our own lives



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Hidden Reality*



***You combine the three sets of information and you  
cannot escape knowing the fabric of the Ultimate Reality***

The Ultimate Reality is not just about the universe. The Ultimate Reality is about the universe, its parallel forms, humans and all the occurring energy operations.

Neeti Sinha, 2012