

**THE
ULTIMATE UNIFICATION
THEORY**

THE KEY TO UNIVERSAL UNDERSTANDING

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by

Bambang Pramana
Dipl.Ing.(TH), MIEAust, CPEng.

If Einstein had only pushed his Relativity Theory to the farthest end, and applied "the movement at the speed of light" as his frame of reference, he wouldn't have wasted his time arguing with Neils Bohr, but realised that:

"The true and eternal reality is "the reality at the speed of light" or "the reality of light", whereas our physical reality in this time-space continuum is only an apparent reality, which is temporary.

The Absolute is beyond 'the reality of light', where time stops, - therefore patterns cease to be cyclic, periodic or time dependent, and space shrinks; hence separateness ceases to exist. Time-space and the whole Universe become Singularity, the Absolute, Infinite One-ness, The Universal GOD.

B. Pramana

CONTENT

INTRODUCTION	3
THE ULTIMATE UNIFICATION THEORY	7
"Patterns" instead of "Things"	7
THE THREE BASIC AXIOMS IN NATURE	9
The Law of One	9
The Law of Polarisation	13
The Law of Resonance and Induction	15
THE THREE BASIC AXIOMS IN MANIFESTATION	16
The Cross as a Metaphor	16
SOME ISSUES FOR FURTHER CONTEMPLATION	19
The Archetypes	19
Life, Consciousness and Energy	20
The Origin of the Universe - a Review	22
Human energy circuits (diagram)	23
SELECT BIBLIOGRAPHY	24

INTRODUCTION

Thousands of years ago, we thought that our Earth was flat like a platform, with heaven above and hell underneath it. Then we started to realise that it was spherical and thought that it was located at the centre of the Universe. No one had any doubt, because every one could always see the Sun, the Moon and all other Stars rise from the East and set in the West, as if the whole sky rotates around the Earth.

In 270 BC, Aristarchus of Samos came up with a theory, proposing that the Earth rotates and revolves around the Sun. The time wasn't ripe and mankind wasn't ready to accept the idea. No one took it seriously and the theory died out.

1800 years later, in 1543 Copernicus came up with the same theory again. He was lucky in that at least some understood him and even fought for his idea. Giordano Bruno was killed and Galileo Galilei was seized by the Inquisition in defending the Copernican theory.

The Copernican revolution proved that our bare perception was erroneous. Natural Philosophy, which then became Science, was born and developed other tools and methods, which were more reliable than the bare human sense perceptions. In 1686 Isaac Newton finally came up with his famous "Law of Motion" and rounded out the "Copernican Revolution", - the revolution of rationalism.

It took more than two hundred years before the majority accepted the Copernican Idea (the fact that our Earth is not the centre of the Universe). Nothing has changed since then, - the Sun is still rising each morning from the East and sets in the West each afternoon. But human awareness has changed dramatically.

In the middle of the last century, another scientific revolution has started with the discovery of the electromagnetic field. Michael Faraday, who had no scientific education discovered the electromagnetic field, which was beyond science at that time.

Albert Einstein wrote, "It is fascinating to muse: Would Faraday have discovered the law of electromagnetic induction if he had received a regular college education?"

At the turn of the century, modern Physics was born with Quantum Mechanics and Relativity Theory as the two major pillars supporting it. The Newtonian Physics was proved to be limited and only valid for macroscopic objects, - things we can see, touch and smell.

The goal of any scientific theory is to investigate the law of nature governing a wide gamut of happenings with as small a number of rules as possible. Einstein spent the last part of his life trying to formulate The Unified Field Theory (UFT), an attempt to unify Electrodynamics and Gravitation.

Meanwhile, Quantum Physics has flourished with some rather bizarre discoveries, which challenge our common sense in understanding our world. So far, our physicists have identified the four fundamental forces or interactions of nature, - the strong nuclear, the weak nuclear, electromagnetic and gravitation, and are still trying to work out the unification of them in one single theory, the Theory of Everything (TOE).

Once achieved, the TOE would be considered as the 'Basic Law', the single underlying principle governing our physical Universe. It may also be considered as the culmination of our scientific revolution, analogous to Newton's Law in the Copernican revolution.

But what about our Mind, our Consciousness, our Psyche or even our Spiritual world? Are they governed by the same law as the physical world? Or is there any other basic law governing all of them together?

A misunderstanding, which often leads to controversy is to think that science is all there is.

Some people think that our Universe is purely physical, and therefore, whatever science (especially Physics) cannot explain is considered as nonsense and as having no existence.

Some others believe in the non-physical and/or mystical reality and try to justify it using the law of physics, especially Quantum Physics, and a lot of them get lost and confused.

Some scientists or physicists, who really know what they are dealing with, realise their limitations. They also realise that there are realities other than the physical reality, but they do not confuse them.¹ A lot of our great scientists, in a sense, are very religious people, and not just a few of them are mystics. Some have even admitted that their great ideas came from mystical experiences.²

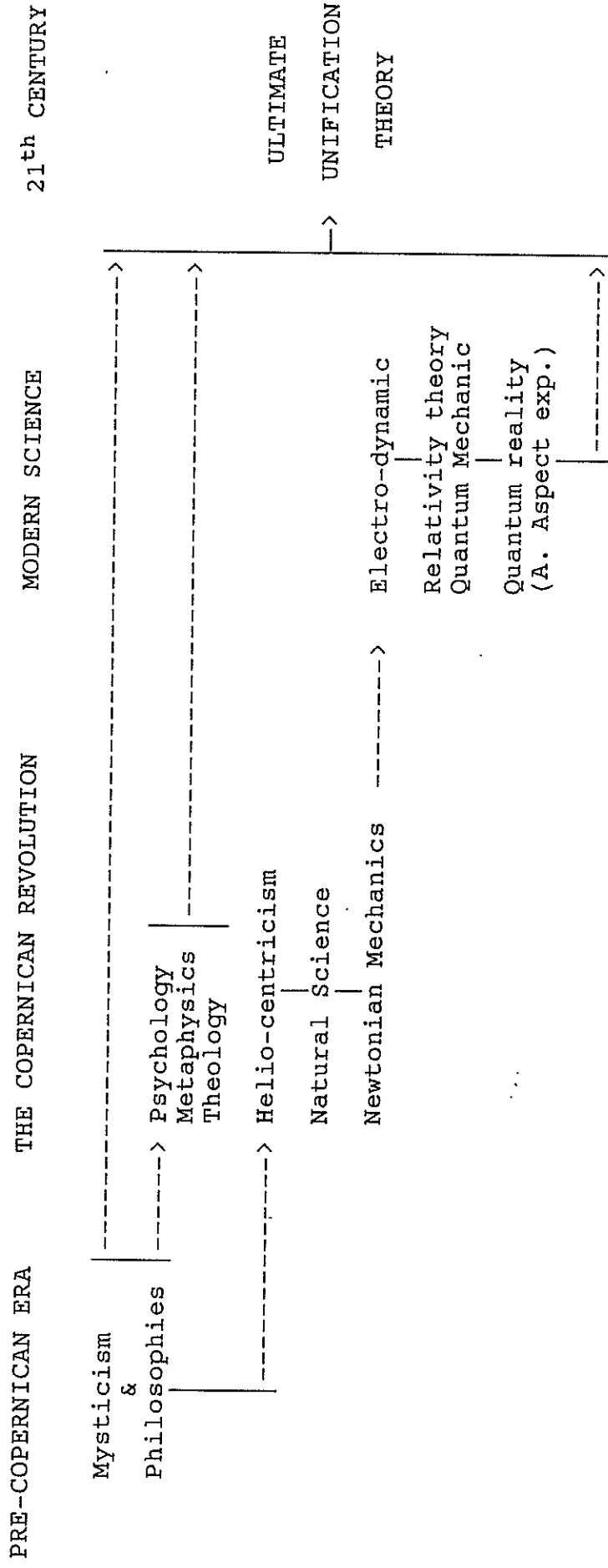
The unification of all physical theories into the TOE might be considered as the 'end' of Physics, but at the same time we realise that there is another area awaiting our exploration, the world beyond physics. Using the experience we have gained in our scientific endeavour during the last four centuries, we are now looking for a stepping stone, a foundation for our further exploration into the combined realm of physical, psychological and spiritual worlds.

The ULTIMATE UNIFICATION THEORY is not the final answer, but just a humble attempt to lay the first stone for our infinitely long road towards the Ultimate Truth, in trying to turn our Belief into Knowledge with a deeper understanding.

1 Please also refer to "Quantum Questions" by Ken Wilber (32)

2 Please also refer to "The Mind of God" by Paul Davies (11) p. 223 - 232. and "The Tao of Physics" by Fritjof Capra (9).

EVOLUTION OF HUMAN AWARENESS (Scientific Milestones)



Realising that our Earth is not the centre of the Universe.
Realising the inadequacy of our perceptions.

Realising the boundary of Newtonian reality.
Realising the reality of wave patterns.

Realising the boundary of the physical reality.

REALISATION ---->

THE KEY ----->

Put the Sun in the middle instead of the Earth.

Think of patterns instead of things

Diagram 1

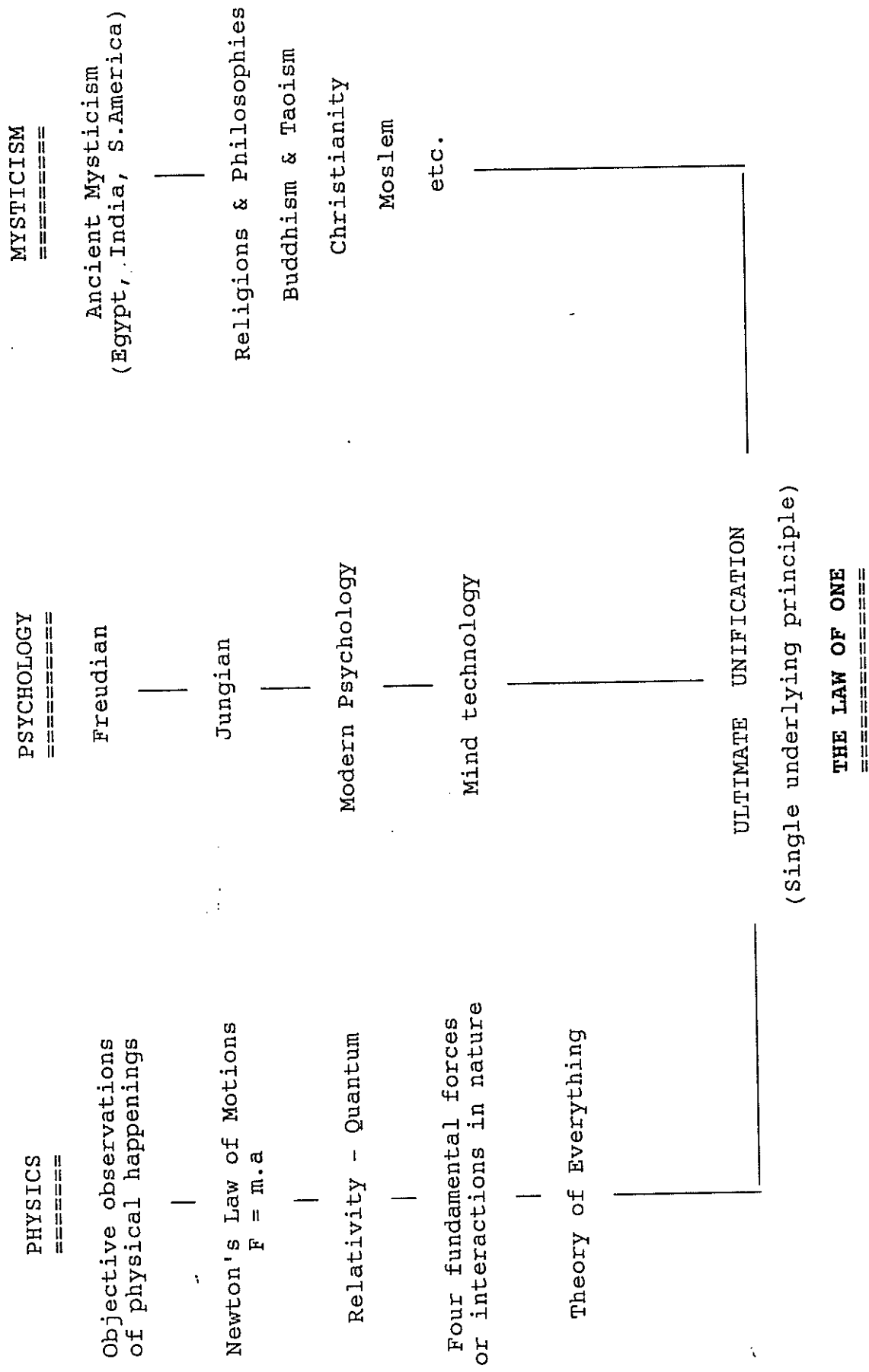


Diagram 2

THE ULTIMATE UNIFICATION THEORY (UUT)

The Ultimate Unification Theory (UUT) presented in this paper, is derived using the scientific method, namely by generalising the essence of the three realms, - the physical, psychological and spiritual realms, to arrive at a general common ground or principle. The only difference is that it's not mathematical. It is called a 'theory', since it is meant to be introduced, discussed, tested and refined through the common effective scientific procedures.

"PATTERNS" instead of "THINGS"

In Physics, sub-atomic particles are known as **"energy patterns"**. A nucleus consisting of protons and neutrons is another energy pattern, a little more complex than particles. An atom made from a nucleus and electrons, is again another pattern with a yet higher degree of complexity.

In chemical elements we often find **crystal patterns** formed by several atoms, while every molecule has a definite structure or pattern. Our DNA also has a definite pattern, and our whole physical body and senses could also be considered as our physical pattern.

In principle, instead of identifying all matter as 'things', we can also identify them as 'patterns' with different degrees of complexity showing different characteristics.

Besides the above, the word pattern can also be used to identify non-materialistic patterns such as 'behaviour patterns', 'emotional patterns', 'thought patterns', 'archetypal pattern' etc.

In the spiritual realm we can also identify all the spirits and the gods (not God) as spiritual patterns. We might argue that spirits or gods are only human imagination and are not real. But let us expand our concept of "reality" as well.

Human imagination, dreams etc. are **real** in their own realm, which do not necessarily interfere directly with our physical realm, and therefore can not be measured using physical instruments. However, we know that imagination has undisputable effects on human behaviour or actions.

Having generalised our premises by turning 'things' into 'patterns', the next step is to look for the common principles, which are valid for all those different kinds of patterns.

In the physical realm we have the definite underlying principles, the laws of physics. In the realm of mind and consciousness or psychology we have a tremendous amount of information based on empirical observations and experimentations but no definite underlying laws, while in the mystical or spiritual world we have the numerous Religions, Philosophies, Mythology, Occultism, Esoteric traditions and all kinds of other belief systems.

At first glance, it seems hardly possible for anyone to draw any common principle out of all the above. But, if we only look for the essence of each rather than the vast amount of detailed information available, we may be able to combine those three realms into one unity. (see diagram 2)

Modern Physics has arrived at the realisation that the whole Universe is basically indivisible (Quantum reality - Bell's theorem), while Mysticism has a basic essence in the One Absolute Reality.

Pondering these two, the author came to the common principle, namely **"The Law of One"**. Contained within The Law of One are two other principles, **"The Law of Polarisation"** and **"The Law of Resonance and Induction"**.

The Law of One, The Law of Polarisation and The Law of Resonance and Induction, make up the three basic axioms in nature, the "Trinity" in the UUT.

It must be stated here, that the author does not claim to have newly discovered those three basic axioms of nature, but rather "re-discovered" a most ancient mystical teaching hidden in Symbology and Mythology.

It is supposed to be the teaching of the Egyptian Sun God Ra at the time of King Araaraat around 11,000 BC. Ra called himself "a humble messenger of The Law of One". It is believed that The Law of One was already known by the Atlanteans, but no historical record is available.³

There is no official historical record either about Ra and The Law of One except in Edgar Cayce readings, but every Egyptologist knows the ancient egyptian meaning of the numbers. The three most important numbers, the 'Trinity' are the number One as the Absolute, Two as the Polarity and Three as the Relationship between the polarities.

Having learned from our scientific endeavour in the last four centuries, we will throw a new light on this ancient teaching and see if we can find a new meaning, regardless of how it was understood millennia ago.

3 Please see "The RA Material" by Don Elkin (14) and "Edgar Cayce's Story of The Origin and Destiny of Man" by Lytle Robinson (26), p. 91.

THE THREE BASIC AXIOMS IN NATURE

THE FIRST AXIOM: THE LAW OF ONE

Our common understanding of the "One Unity consists of Many" is obviously not how The Law of One is meant to be understood. It should mean that there is only One Absolute reality, infinite, boundless without beginning or end. The term "ONE" leads already to a mis-interpretation, since 'one' has the connotation as opposite to 'many'.

It is often symbolised with a circle, to express 'boundlessness without beginning or end', yet the symbol is not adequate either. We do not have the appropriate expression nor an adequate symbol, because we do not have the right mind conception in the first place.

It is hard for us to understand or even imagine what "Absolute One-ness" means, since we live in "the world of many things". The Hindus call our world "Maya", which means "illusion". Yet, this "illusion" is for us "real", and becomes the basis of all our conceptions.

Through the Copernican revolution in the 16th - 17th century we have learned, how erroneous our perceptions can be. The current scientific revolution has brought us still much more to realise this. It has proved that our day to day world, the world of things we can touch, see and smell (macroscopic objects), which is no more than the Newtonian world, is valid or real only within a certain boundary, - the Newtonian boundary.

Beyond the Newtonian boundary, Relativity Theory and Quantum Physics apply. Both of them are still dealing with physical laws within the physical reality. The boundary of Newtonian Physics is not the boundary of physical reality, as some may have misunderstood it. Quantum Physics, as weird as it may seem, has never dealt with mysticism or spiritualism; neither does it touch the realm of human mind and consciousness as psychology does.

In the summer of 1982, Alain Aspect and his co-workers, successfully conducted an historical experiment at the University of Paris.⁴ The result of his experiment gives the verdict on a half century long debate between Einstein and Neils Bohr, known as the EPR effect (Einstein, Podolski & Rosen), and at the same time also gave the experimental evidence for the 'non-locality principle' of Quantum Physics.

The Alain Aspect experiment can be considered crucial; as crucial as the Michelson Morley experiment in 1887. The Michelson Morley experiment gave the death kneel to the 'etheric hypothesis', which led to the birth of our Modern Physics.⁵

4 For detailed explanation please refer to "Superforce" by Paul Davies (11), p.41-49.

5 For information please refer to "The Dancing Wu Li Master" by Gary Zukav (34), p.151-155.

This time, the Alain Aspect experiment brought up another controversy amongst physicists. As far as the author is aware, there is no consensus amongst physicists, on how to understand the philosophical implications of the 'non-locality' principle proven by this experiment.

Paul Davies summarised the result of that experiment as follows:

*"The Universe is not a collection of objects, but is an inseparable web of vibrating energy patterns in which no one component has reality independently from the entirety. Included in the entirety is the observer."⁶
(Bell's theorem of the 'indivisibility' of the Universe)*

As opposed to the above interpretation, some others believe in the 'superluminal' connections (that information can travel faster than the speed of light), as the explanation. However, this is contrary to the Relativity Theory, which postulates that 'nothing', not even information, can travel faster than the speed of light.

The 'Tachyon Theory' tried to prove the existence of particles, which move faster than the speed of light. Though there is some mathematical background to prove it, the theory has not gained total acceptance.

Our problem lies, most probably in our mental conditioning, in the form of mind conceptions derived from our physical sense data, - our perceptions. We have learned from the Copernican Revolution, that our perceptions can be erroneous. This time, we are again facing another great challenge in understanding our reality.

Let us consider the Einstein's Gamma factor formula. The Gamma factor formula is the reason behind the famous story known as the "Twin paradox". If one of the twins travels into space with enormous speed, the gamma factor will keep him young. If he manages to travel at 90% of the speed of light, ($\text{Gamma} = 2.3$), his 'clock' will tick 2.3 times slower than his twin brother's clock on Earth. After ten years travelling, his twin brother on Earth has aged 23 years, - 13 years older than he is.

If he managed to reach 99.9999% of the speed of light, his Gamma factor will be 707. His clock will tick 707 times slower than the clock on Earth. Using the inter-galactic map he brought from Earth, he will reach a distance of 700 light years within less than a year. He will 'feel' that he travels at a very high speed, which seems to be 700 times faster than the speed of light. In fact, he never reaches the speed of light at all. He only has the wrong map, which is no longer valid for his condition. In his condition, the Universe becomes 707 times smaller.

What will happen if he could reach the speed of light? Theoretically, at the speed of light his clock will stop. Time 'stretches' indefinitely and distance shrinks to nothing.

6 *ibid.* p. 49.

He will be able to cross the entire Universe in no time.⁷

The story is confusing and sounds unbelievable. Some believe that there must be a loophole in the theory. In fact, the loophole is not in the theory, but is in our minds.

Every experiment using the particle accelerator confirms the validity of the Gamma factor formula to a very high degree. The only limitation is that we will never be able to accelerate any particle to 100% the speed of light.

Close to the speed of light, the energy we 'pump' to accelerate the particles is converted into mass. Instead of getting faster, the particles are growing in mass. According to the formula, the Gamma factor will be 'infinite' at the speed of light, which means that the particles will be infinitely big and their life span will be infinitely long. To achieve that, we also need an infinite amount of energy.

The question is; "How big is infinitely big? Is it as big as the whole Universe?"

"Infinite" literally means endless. There is nothing else besides or outside the Infinitude. Mathematics cannot handle infinity, nor can our rational minds.

Another question then arises:

"Is there any consciousness at the speed of light?"

Our problem actually lies in the conflicting and inconsistent definitions as well as our understanding, of what we term as 'speed', 'time', 'space', 'mass', 'energy' and 'consciousness'.⁸

The Relativity Theory shows that time and space are relative to our system of reference. They are so relative, that if we use 'the movement at the speed of light' as our system of reference, time and space become insignificant. Consequently, 'speed' as a dimension of 'space over time' also becomes irrelevant.

A light particle from the background radiation, - which has been detected by our COBE (Cosmic Background Explorer) Satellite, is perceived by us as if it has travelled across the Universe in 15 billion years. Yet, for the light particle itself, it has not moved at all. It has travelled zero distance in zero time. It only appears to us, as if it travels. For a light particle, time-space simply doesn't exist.

Here lies the boundary of Physics and our physical reality, our time-space continuum. We always use our condition on this Earth, - our 'reality', as our system of reference, and think that it is the only one there is.

⁷ Please also refer to "Einstein's Universe" by Nigel Calder (7), p. 92 - 100.

⁸ Please see later chapter "Life, Consciousness and Energy" p. 20 - 22.

We always take it for granted and never really asked ourselves, whether our four dimensional time-space continuum, - our reality, is truly real. We didn't asked ourselves for millennia, whether the sky really rotates around our globe.

Even Einstein was 'caught up' in our 'reality' and could not agree with Neils Bohr about 'quantum uncertainty principle' and the 'indivisibility' of quantum reality.

In fact, the answer was already inherent in his own theory. If he had only pushed his Relativity Theory to the farthest end, and applied the 'movement at the speed of light' as his system of reference, he would have realised that at the speed of light, which is the reality of light, time-space simply doesn't exist.

Taking "the reality of light" as our system of reference, we would not speak of "speed" any more, but "degree of confinement" instead. Light can be considered as "free energy", while Mass or Matter is 'confined energy', known as condensed energy.

Photons do not travel at all, and they do not age either. It only 'appears' to us as if they do. Two complementary photons, which appear to us as if they have travelled across the Universe in opposite direction, in fact are still together, - indivisible. They don't need 'superluminal' connection to communicate with each other.

At the 'top end' of Quantum Physics and Relativity Theory we realise that:

In the Universe of inseparable vibrating patterns, the true and eternal reality is "the reality at the speed of light" or "the reality of light". Our physical reality in this time-space continuum is only a temporary, - an apparent reality.

THE ABSOLUTE IS BEYOND 'THE SPEED OF LIGHT', - WHICH IS NOT A 'SPEED' ANY MORE, WHERE TIME STOPS, THEREFORE PATTERNS CEASE TO BE CYCLIC, PERIODIC OR TIME DEPENDANT, AND SPACE SHRINKS ; HENCE SEPARATENESS CEASES TO EXIST. TIME-SPACE AND THE WHOLE UNIVERSE BECOME SINGULARITY, THE ABSOLUTE INFINITE ONE-NESS, THE UNIVERSAL GOD.

THE SECOND AXIOM: THE LAW OF POLARISATION

In the Universe of inseparable vibrating patterns, where no one component has reality independently from the entirety, our 'illusion' - of perceiving the objective universe as being real and separated from us, - emerges due to the second axiom of nature, The Law of Polarisation.

The Law of Polarisation is mostly understood as the existence of the known polarities, i.e. positive and negative, Yin and Yang, Father and Mother, Male and Female, Right and Wrong, Good and Evil etc.

To gain more understanding in this context, we shall consider the more basic polarisation namely the "Subject <---> Object" polarity.

For experiencing, The One Unity polarised itself, so that interrelations and interactions can occur between the polarities, the Subject and the Object.

Yet, whatever impression the Subject experiences from the interrelations with the Object, it cannot be considered independently from the pattern of the Subject itself.

A subject pattern as simple as a particle experiences its surroundings in a completely different way from a more complex subject pattern as a tree or an animal. A subject pattern as complex as a human being, experiences the universe as in time and space, while to a subject pattern as simple as a photon, time and space simply don't exist.

Human beings perceive the impression that a light particle from the background radiation has travelled across the Universe in 15 billion years to reach us, yet for the photon itself, it is instantaneous.

To a "Solar Logos", who has a much more complex pattern than a human being, the Universe looks totally different again. The complexity of a Solar Logos, and what degree of consciousness it may have, is simply beyond human imagination. It is unimaginable, as human consciousness is unimaginable for a photon. What we can relate to of the Solar Logos, as we can see of the Sun and all the planets, maybe comparable to what a photon can relate to as some particles of our physical body.

*The Universe is to us as what it is, because we are as what we are.
Time-space and the whole Universe as we perceive it, has no objective reality independently from us. It is our illusion or Maya.*

The Law of Polarisation is also known as The Law of Free Will. The first Polarisation from the One Unity may be understood as GOD's Free Will to polarise and to experience Him or Herself⁹. In some Religions it is interpreted as how God created the Universe.

⁹ Please also see later chapter "The Origin of the Universe - a Review", p. 22.

As in mathematics, it determined the 'initial condition' of our Universe to unfold. We call it 'initial condition' because we are bound by time. Beyond time, there is no past, present or future. There is no beginning and no 'initial condition'. It is just 'the condition'.

We can experience similar polarisation within ourselves as we say; "My body is tired" instead of "I am tired". We can discern our self from our physical body. A little more difficult is the ability to discern our self from our emotions, desires and passionate drives. Some people need the assistance of a psychologist or psychiatrist to be aware of their subconscious drives or to discern him/herself from it.

The most difficult step to achieve, is to be able to discern our self from our thoughts and be aware of it, which is an exercise in some meditation practices. If we can discern our self and be aware of our thoughts, emotions and body, then we are not our thoughts, our emotions, our body. Who are we then, actually?

Every "I" is the same "I", which is the Cosmic "I".

The only difference is the Subject pattern held as a "point of reference" to experience other patterns.

Due to the "Subject <-> Object" polarisation, the subject pattern identifies itself as "I AM", having the impression of being separated from the rest of the Universe, which is its illusion.

THE THIRD AXIOM: THE LAW OF RESONANCE AND INDUCTION

According to the ancient Egyptian mythology, the number three stands for the relationship. Relationship between polarities including relationship between Subject and Object might occur in an unlimited number of ways. It is almost impossible to draw anything out of the relationships between 'things' as we know them in our Newtonian world. But, as we have generalised 'things' into 'patterns', we can see that there is basically only one principle governing the relationship between patterns, namely the principle of Resonance and Induction.

The principle of resonance postulates that interrelations between patterns can only occur if they corresponds to each other within a certain resonance bandwidth.

While resonating, the Induction principle underlies the interactions between the resonating patterns, involving energy transfer due to potential difference or polarity, changing and modifying the patterns. This induction principle in turn is the fundamental cause of universal evolution.

Everything we learn and create are effects of the induction principle, the result from the interrelations and interactions between our patterns and other patterns in our surroundings, to which we can resonate.

It does not mean that we are able to resonate to all patterns in the universe. It is possible, and even highly probable that there are other physical patterns beyond our resonance bandwidth, which we can not relate to and therefore we do not notice their existence. Many physical universes could share our space without our being aware of them.

We have been using our common physical pattern (senses) aided by all kinds of instrumentations we have developed to extend our resonance bandwidth, and to reach a certain degree of objective knowledge as accumulated in our sciences. Yet, our instrumentations also have their limitations. They can only resonate to materialistic patterns.

The law of resonance and induction goes beyond materialistic patterns. It also applies to the non-materialistic patterns, i.e. the emotional and thought patterns expressed in behaviour patterns.

As an example, the use of a certain language can only be understood among people who speak the language. Every one can resonate at the physical level, - hearing the voices, but only those who speak the language can resonate to the thought expressed in what is said.

Learning a foreign language or anything else i.e. mathematics, is 'creating' a certain thought pattern in the subject by induction processes. By having created the new thought pattern in his/her mind, the subject can then resonate to and understand the language or the mathematics formulations he/she has learned.

THE THREE BASIC AXIOMS IN MANIFESTATION

THE CROSS AS A METAPHOR

In the Proem of "The Secret Doctrine", H.P. Blavatsky wrote;

*"An Archaic Manuscript - a collection of palm leaves made impermeable to water, fire and air, by some specific unknown process - is before the writer's eye. On the first page is an immaculate white disk within a dull background. On the following page, the same disk, but with a central point. . . . In it's third stage the point is transformed into a diameter. . . . When the diameter line is crossed by a vertical one, it becomes the mundane cross"*¹⁰

The above mentioned palm leaves are supposed to be the most ancient manuscript on this planet, and it is believed to be even older than mankind itself. It contains 'highly magnetised' symbols and the interpretation of them is left to our own ability to resonate. In some Esoteric tradition the Cross is known as The Law of Creation and it symbolises the Universe.

It is not the point to verify the accuracy of those statements, but to look for what is actually hidden behind that symbology.

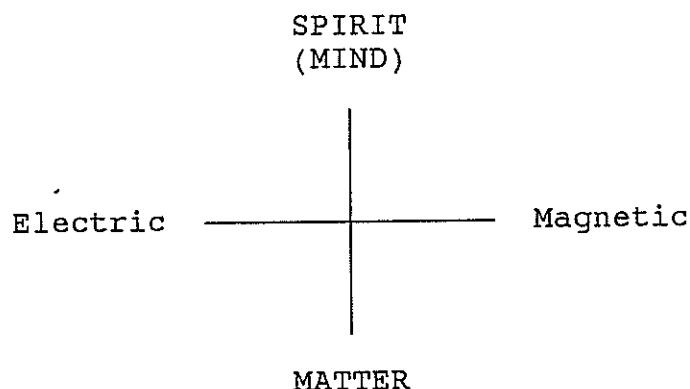
In the context of the UUT, we can understand the Cross as follows:

The Cross, as the vertical <-> horizontal polarity symbolises the Universe as multi dimensional field interactions.

The vertical axis represents the mind-matter type of interactions, - the Spirit <-> Matter polarity, - the Esoteric axis.

The horizontal axis represents the electro-magnetic type of interactions, - the Electric <-> Magnetic polarity, - the Exoteric axis.

Within and between both axes the law of resonance and induction apply.



10 From "The Secret Doctrine" by H.P. Blavatsky (4) Vol.I, p. 1-5.

We choose the horizontal axis as representing the electromagnetic type of interactions, which occur at the speed of light. At the same time, this horizontal axis also represent the border of our time-space continuum or our physical world. Above the horizontal axis, nothing physical exists.

In ancient India, this horizontal axis represents the border between the Arupa level (the world of no-form) and the Rupa level (the world of forms). In ancient Egypt, the upper part of the vertical axis is replaced with a circle or a loop and becomes the symbol of "Ankh", while in ancient China it is deleted and the cross becomes a "T", the symbol of "Tao".

In the ancient Mythology, the number 4 (four) represents the Manifestation of the physical realm, the world of matter. It is associated with the four 'elements' of nature, - fire, earth, air and water. The use of the word 'elements' seems to be inadequate, since it gives a totally different meaning.

However, considering the time when it was introduced as well as our possible misinterpretations or mistranslations, those four 'elements' were probably the best choice to describe the four Poles of the Cross. Fire always understood as representing Spirit - the free energy at the top, while Earth is Matter - condensed or confined energy at the bottom. Electromagnetic interactions weren't known at the time, and "air <-> water" are taken to represent the horizontal polarity.

The Cross itself is an excellent metaphor for describing the multi dimensional interactions between polarities. It can be applied everywhere, at any level, and the polarities can be named anything we like.

It symbolises the interactions between the tangible and the intangible aspects inherent in every creation, - the substance and the idea, the exoteric and the esoteric, the real and the imaginer axes etc.

Looking at the Subject <-> Object polarisation. The crossing point in the centre represents every subject. The horizontal axis symbolises the interactions between the subject and all the objects external to it, - the exoteric axis. The vertical axis symbolises the interactions between the Spirit/Mind and Matter within the subject, - the esoteric axis.

The Ultimate Truth, containing the ultimate secret of the Universe, is always revealed through mystical experience. Yet, the understanding of it is limited by the mind conception of the one who receives it, and the attempt to describe it is further limited by the language and the common conception currently existing at the time of the revelation. Therefore it is a secret, which could never be revealed and properly understood through communication. It is only to be understood by direct and subjective (mystical) experience.¹¹

11 Please also compare with "The Mind of God" by Paul Davies (11) p. 227.

Knowing that, the Eastern School chose the Esoteric Path, going within through meditation practices attempting to "tune" the subjective pattern to resonate with the whole Universe and "be one" with it. It is purely subjective.

In contrast, the Western School chose the Exoteric Path, going outwards attempting to find the Truth using rationalism based on facts and proofs with 100% objectivity.

The subjective world, built from subjective impressions, is actually the true reality in every person as a unique subject. It is the basis of one's convictions, actions and behaviour, whereas the objective world is just a matter of agreement or convention, limited by our common patterns we share.

On the Esoteric path we try to learn and understand the higher Truth, and on the Exoteric path we share and teach/learn from each other.

To be purely esoteric, one has no sharing with others, while to be purely exoteric one has no inner strength. A combination of both in a harmonious balance is the ideal case.

EXOTERIC	ESOTERIC
=====	=====
- Objective observations (limited by common ground)	- Subjective perceptions (unlimited point of view)
- Based on facts and figure (proofs is always needed)	- Subject dependent (no proof is needed)
- concept of "right <-> wrong"	- every subject is unique
- rely on experts/authority	- based on own experience
- knowledge = information	- knowledge = understanding
- belief in others (experts)	- knowing instead of believing
- authority/expertise = power	- inner wisdom = strength
- power seeking	- empowering others
- leadership = control (limiting others)	- leadership = lead & guide (facilitating others to grow)
- competition	- co-operation
- continuous battle for power	- harmonious co-existence

THE BALANCE ?

SOME ISSUES FOR FURTHER CONTEMPLATION

The following are some issues, which the author would like to suggest the readers contemplate. It's up to every individual to resonate or understand it subjectively.

1. THE ARCHETYPES

"Archetypes were for him (C.G. Jung) 'typical modes of apprehension'" (CW 8, p.137) - that is, patterns of psychic perception and understanding common to all human beings as members of the human race. the Archetype is like a psychic mould into which individual and collective experiences are poured and where they take shape, yet it is distinct from the symbols and images themselves."¹²

In the context of UUT, Archetypes are considered as 'non-materialistic patterns', to which the human subjective patterns can relate consciously as well as unconsciously. It's non-materialistic and it's beyond the resonance bandwidth of any material instruments. Therefore it can not be measured.

Jung, in his attempt to be scientific, identified only a limited number of archetypes. Science requires 100% objectivity, while the nature of archetypes is basically subject dependent. The scientific requirement of objectivity has helped us in the exploration of our objective world, but at the same time it has limited every scientific endeavour. It can not be used to explore our subjective realities. Any research in this subjective realm is called pseudo-scientific.

Modern science however, to a certain degree has realised the limitation of this 100% objectivity requirement. The particle-wave dualism and the uncertainty principle are only two examples, which have brought about a lot of controversy in scientific circles before they have been accepted. Modern science has turned more and more to statistical method and talks about probability instead of certainty.

The UUT predicts, that there are basically two general types of archetypes, one working on the vertical axis and the other on the horizontal axis. Further exploration on this subject may be worth undertaking.

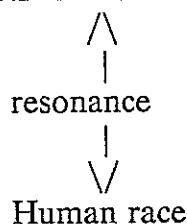
The vertical axis archetypes interrelate vertically between Spirit/Mind and Matter. They are not only "psychic mould", but also "physic/matter mould". These vertical axis archetypes could be considered as "the universal program", "the Cosmic Blueprint" or even "the Mind of God", giving "forms", "structures" and "evolutionary unfoldment pattern" to everything we know in our physical reality.

The particle archetypes give the definite pattern of every particle. The human archetype resonates with our DNA, and unfolds every human embryo in a certain definite way to become a human being.

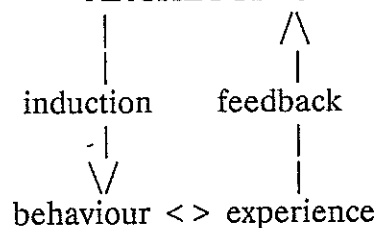
12 From "A guided tour of the Collected Works of C.G. Jung" by Robert H. Hopcke (18), p. 13 - 15.

The horizontal axis archetypes, are mostly what C.G. Jung has identified. The archetypes interrelate horizontally with a subject pattern, which resonates to it consciously or unconsciously. In ancient Mythology, these archetypes are identified as the gods.

HUMAN ARCHETYPES



ARCHETYPES --> evolution



Karma can also be understood as the interactions between our subject pattern and those archetypes. Interactions between our subject pattern and our surroundings are what we call our experience. The induction principle works on our subject pattern changing it or modifying it in a certain way, so that we have the memory of our experience in us. The more often we have the same experience the stronger is the part of our subject pattern which relates to the experience. With the modified subject pattern, we will resonate in a different way to the archetypes and at the same time create another archetypes (the feedback induction).

On the physical level, the more we learn mathematics the stronger is the mathematical aspect in our thought pattern and the more we can resonate to or understand mathematical formulation. The more we act violently, the stronger is the violent aspect in our subject pattern and the more we resonate to or attract violence.

Our physical body is mortal, but the essence of our subject pattern exists beyond our time-space continuum and is basically immortal. The same resonance principle also applies when we resonate to a human embryo unfolding it to be our body, in resonance with the essence of our subject pattern. Due to this resonance principle, our body will be able to express our talents as well as every other aspect, some of which we may not wish to have.

2. LIFE, CONSCIOUSNESS AND ENERGY

In the context of the UUT, our fragmented framework of thinking sometimes hinders us from grasping the unified understanding. The meaning of the words "LIFE", "CONSCIOUSNESS" and "ENERGY" should perhaps be re-thought.

L I F E:

"LIFE" does not emerge from matter. What we term as "life", as we differentiate 'alive' from 'not-alive / dead matter', is nothing but different properties of patterns, due to the different degree of complexity.

Radio active elements have more complex pattern than hydrogen, and show different properties. Vegetation has more complex pattern than 'inanimate' matter and shows the ability to grow. Animals can move and feel, while human beings show the ability to think.

In the Ultimate Unified Understanding, the whole Universe is alive and evolving! There are only different degree of complexity in life patterns showing different characteristics / properties.

The Universe is an inseparable web of patterns.

In the world of physics they are called energy patterns.

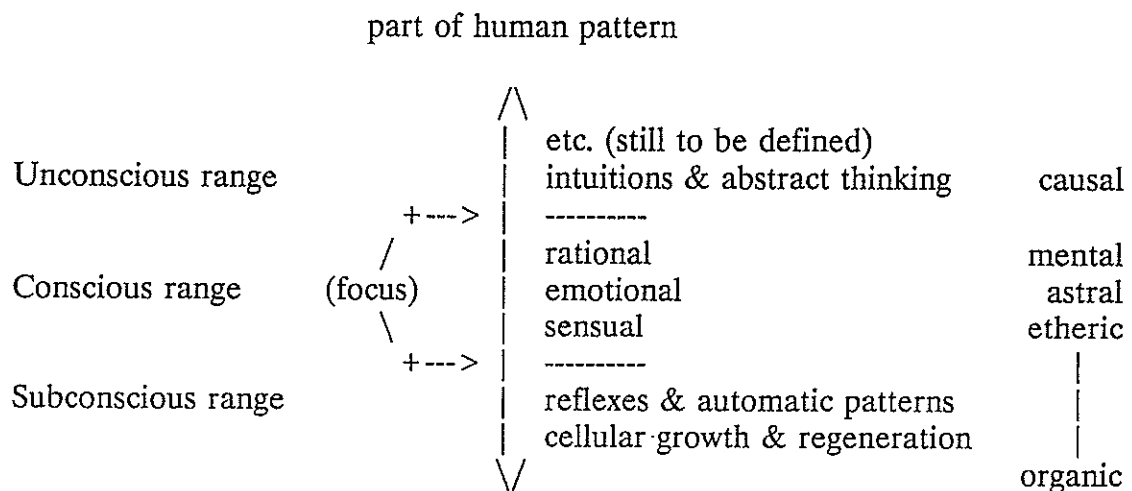
In the world of psyche they are called consciousness patterns.

In the Ultimate Unified Understanding they are called life patterns.

CONSCIOUSNESS:

In the Ultimate Unified Understanding, there is no more 'matter-consciousness' dualism, but a range of patterns with different degrees of complexity.

Consciousness is where patterns are focused for experiencing.



ENERGY:

Originally, energy is defined as a measure of activity or work. Activity or work can only happen if there is a potential difference or polarity. The same applies in the material as well as in the non-material world.

Energy is the effect of induction between interrelating polarities.

The Big Bang Cosmology is the currently 'accepted' model of how our Universe came into existence. It is a model for our physical Universe within our time-space continuum. It has nothing to do with the reality beyond our time-space continuum.

The most obvious questions that usually arise are:

1. *What created the Big Bang in the first place?*
2. *When the Universe is only one centimetre in diameter, what is outside the Universe?*

The Universe as a totality is having the Spirit <-> Matter Polarity. It is beyond time, therefore there is no beginning and no end. The huge potential difference between the polarities is the underlaying reason for the emergence of the huge amount of energy, supposed to be 'created' during the Big Bang, if there is a Big Bang after all.

Time and Space are only the results of interactions between our subject pattern and our surroundings. When there were only photons in the physical Universe, - the microwave back ground radiation, time and space did not exist, because there were no pattern able to perceive the illusion of space.¹³

Space seems to expand, as free energy is more and more confined.

3. THE ORIGIN OF THE UNIVERSE - A REVIEW

In the beginning God created heaven and earth. The earth was at first shapeless and void with the Spirit of God brooding over the dark water.

The first polarisation:

Spirit

(Virgin) Matter

Then God said, "Let there be light". And light appeared. And God was pleased with it, and divided the light from the darkness.

The vertical axis, the inter-relation between the Spirit-Matter polarity. The Cosmic "I".

So He let it shine for a while, and then there was darkness again.

The induction and feedback induction, the emergence of time, The Law of periodicity.

And God said, "Let the vapours separate to form the sky above and the ocean below."

*Another polarity within the prime polarity. The Mind-Matter polarity. *)*

Then God said, Let the water beneath the sky be gathered into oceans so that the dry land will emerge.

*The horizontal polarisation, the emergence of space, the inflation. **)*

The emergence of forms as result of horizontal interaction.

¹³ Compare with John Wheeler's "participatory universe" quoted in "The Mind of God" by Paul Davies (11) p. 225.

*) The possible Big Bang due to Mind <-> Matter polarisation.

**) Compare with the inflationary model of the Big Bang Theory

HUMAN ENERGY CIRCUITS

(C O S M I C E N E R G Y T R A N S F E R)

S U B J E C T <---> O B J E C T

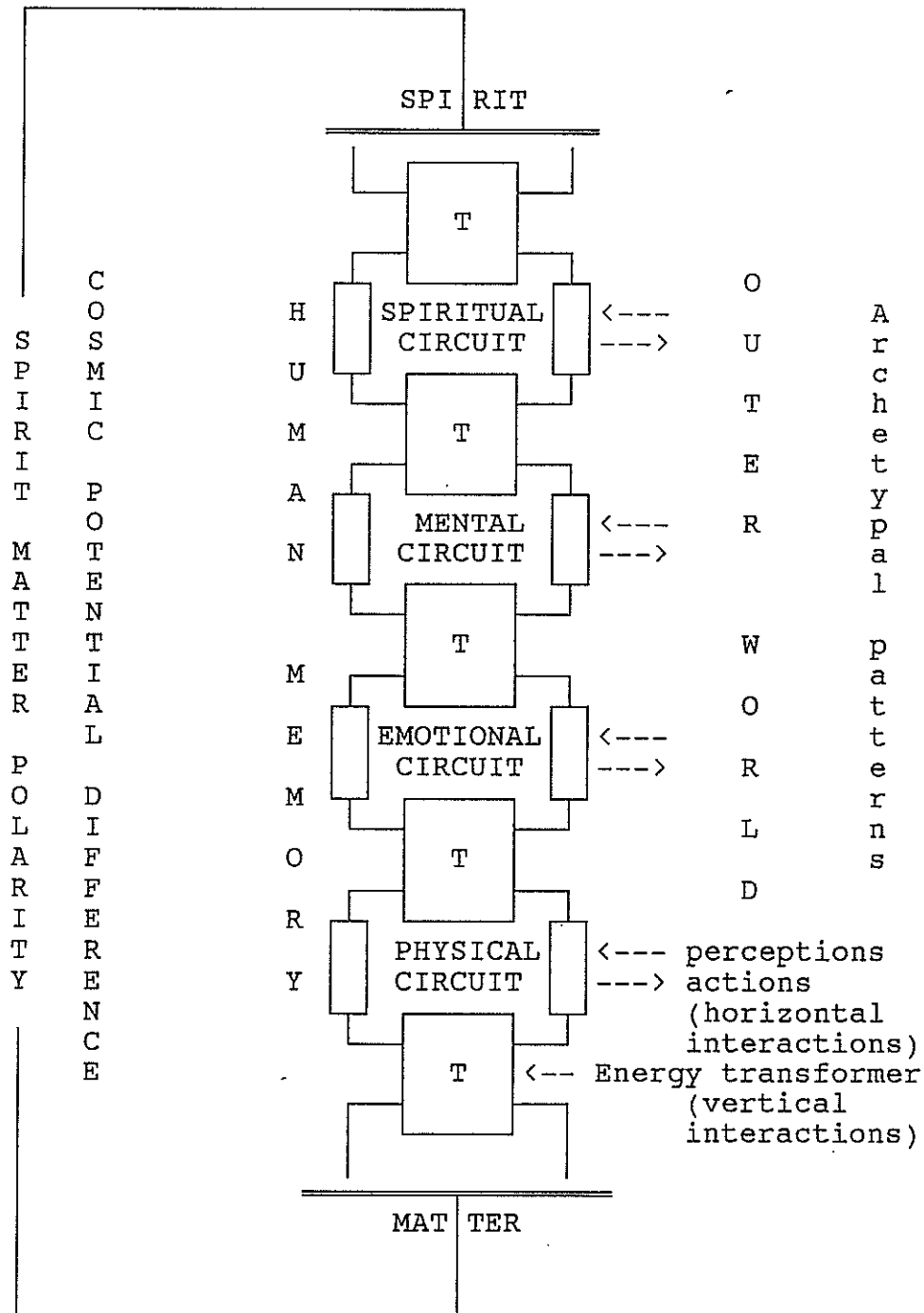


Diagram 3

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About the author

Bambang Pramana (Chén Zhōng Ling) was born in 1950 in Java, Indonesia and brought up in a mixture of cultural heritage between chinese tradition, indonesian living environment and western style Catholic schooling.

He also inherits a 'theosophical attitude' towards life from his parents, who were active theosophists, - his father is currently a Bishop of the Liberal Catholic Church in Indonesia.

At the age of 19, he went to Germany to study Electrical Engineering and attained his Master degree in 1976. After completion of his post graduate education program in Industrial Management Practice, he went back to Indonesia in 1978. In 1989 he migrated to Australia, and granted the Australian citizenship in 1992.

At present, he is a Chartered Professional Engineer (CPEng, MIEAust), managing a project management and engineering operation of a multi national enterprise, dealing with industrial process automation.

However, his chinese up-bringing as in Confucianism and Taoism and his living environment in Indonesia, where mystical phenomena are considered natural, as well as his Christian education, seem to be in contrast with the scientific knowledge he has learned from the West.

His inner personal drive to reconcile the contrast, keeps him in continuous searching for an answer until he finally realised and identified the basic fundamental axioms of nature underlaying every natural phenomena and human experiences.

The Ultimate Unification Theory is an attempt to share his realisation of those basic axioms, which is the key towards a universal understanding.

