

H-CORE

By Mike C Pavledis © 2009

QuickTime™ and a
TIFF (LZW) decompressor
are needed to see this picture.

The above is a photo-enhanced natural spherical crystalline formation from which a new black hole model has been developed. By reversing the expansion of our universe we can visualise all its mass in centripetal collapse. Each surface point of the sphere will gravitationally bear down on the point that is immediately below it and so on in a direct line to the centre where each is then directly opposed by its exact spherical opposite

The centre can never be filled.

The so formed ever-diminishing central vacuum within every black hole demonstrates that energy is ultimately non-tolerant of Zero and this could have been the main factor that triggered the big bang. It takes all the mass and energy of the total universe to focus onto a single point of space to show the ultimate universal “existent”-- the true “Quantum Energy/Space (QES)

Our space may be the combination of all other such existents that indestructibly and in continuum link and cling to each other to form the structure of spatial energy that is currently called emptiness. But from this matrix -- Hydrogen could have evolved into the first building block of universal matter.

ABSTRACT

H-Core addresses the energy contained within the heart of the Hydrogen atom. From a novel perspective it show how and why this atom is the fundamental powerhouse of our Universe.

The ideas put forward are backed with circumstantial evidence that directly link the cause and effect of perceived events in pre-time (before the big bang) to the present functional qualities of hydrogen.

It occurred to me some years ago that the force field of a spinning and tumbling bar magnet would match my perception of the nucleus of an atom of hydrogen. I worked on a computer model that would demonstrate the effect of such motion and became convinced that the various forces that are seen as an atom of hydrogen fit the pattern of the revolving, partially cancelling flux of the triangular bar magnet as it spins and tumbles at high speed.

The most elusive identification was the cause and effect of the electron. Although I have worked on this project for many years the answer to this aspect came to me only recently when I updated my model of the black hole and I realised that *the nature of its spherical curvature would influence the cleavage surfaces of any particles resulting from disintegration*. The result was quite startling as it factors in perfectly to support my proposal.

I have deliberately avoided the concept of a singularity as my model relates to the most plausible evolution of energy without invoking infinity. It portrays the state of energy, as it would have been just prior to the big bang but to a point *before it would be categorised as “infinitely” dense matter*.

This new model shows how the sphere from which our universe was born broke up mostly into predictable, identically functional and shaped dipoles, which are responsible for all the Hydrogen atoms in existence. Further, it gives credence to the existence of energy in parcels that are not measurable by light but are evident from their collective effect on their environment.

Herein “H-core” is shown to be an extremely small triangular, wedge shaped bar of super dense energy, a pure energy structure that is locked in a shape that conforms to the nature of its centripetal flow within the sphere from whence it came.

The analogy of a tumbling equilateral *triangular* bar magnet is used to clarify the core’s functional qualities as it adjusts the space around itself and appears to spin in precessional motion. The effects can be shown to match *the interacting forces within the proton, quark association through the tripartite flux streams and the reason for and the behaviour of the electron*.

The text with drawings shows how each fundamental capsule of frozen super dense energy that powers every atom of hydrogen was formed. *It defines why this core is asymmetric and because of this peculiarity, how it is responsible for the manner of performance of all the energy and forces we are currently able to describe throughout space that are relative to hydrogen.*

However before looking at hydrogen my introduction attempts to explain Space, the transparent medium within which all matter exists and all radiation transmits. By doing this I am trying to create a clear vision of the smallest possible point of space by looking mentally into an ever-enlarging microscope. It is important that the stage is set to show how the whole universe embraced by astrophysics relates to the theory of quantum gravity and a single point of space.

Introduction

To understand what a single minimum “point” of space may be like, one could visualise the *centre point* of a gravity-collapsing star and examine the flow of energy during compaction.

The cover photo of a spherical crystal formation demonstrates this type of structural order as the crystalline filaments become increasingly centrally compacted.

In every black hole gravitational collapse is constantly aimed at the sphere’s centre point that is unremittingly stretched to accommodate ever more surrounding wedged energy. The wedges form a central sphere of directly opposing forces that surround an almost perfect vacuum.

By reversing our Big Bang we can see the total mass of the Universe bearing down on this centre point in focus. If there was ever one point of space that could have been reduced to zero, this is when and where it would have happened. But if one point of space can be reduced to “naught” then every other point would have a zero base. Reality shows that every minimum point of space has a specific energy value -- Quantum Energy/Space (QES).

Spatial collapse was halted when the centre of our universe’s mother star had reached its ultimate vacuum limit. At that moment further collapse would have halted and pressure around the centre would have increased exponentially. Expansion would have then begun followed almost immediately by the additional chain reaction of “repulsion”- ***thus showing the reason for and supporting the theory of “Inflation”.***

From this perspective the lowest pressure point of existence has been displayed and a minimum point of space has been shown. Each is a vacuum point of minimum energy. Basic energy can therefore be seen as the pulse of space itself as all space quanta relentlessly, indestructibly link together to form the most fundamental and all embracing matrix that may well contain many universes such as ours.

Could it be that these points of minimum energy, by expanding and contracting according to the pressure around them and through convolution and compaction underwent the first process of evolution?

Is matter condensed space?

Is radiation the entropy of space?

A plausible answer to these questions is shown below and is additionally supported with:

THE INITIATE: ENERGY TRANSMUTATION: TIMES: GRAVITORIUM: INFLATON: GENESIS: GRAVITY-SUMP: EXISTENT: SPATIAL ENTROPY: PROTON/ELECTRON; SCALE; THREE LAWS; GARVITY: PROTON-ELECTRON2: ENERGY2; ENERGY DEFINED; DARK MATTER; H-N COMPARISONSCALE;

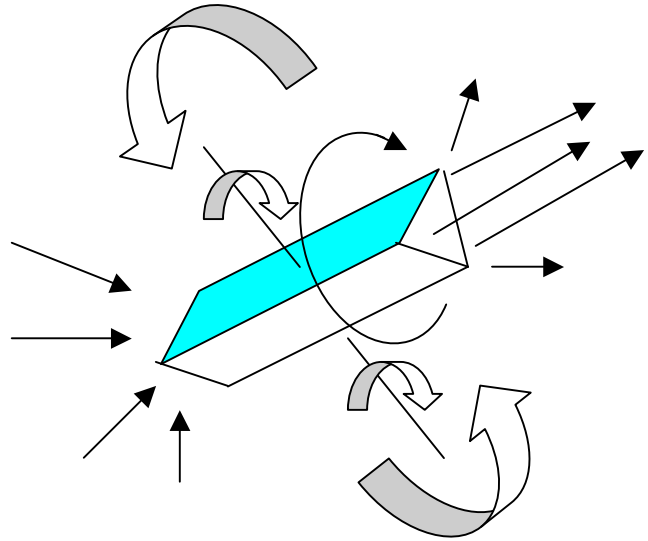
“For the creation of a theory a mere collection of recorded phenomena never suffices --- there must always be added a free invention of the human mind that attacks the heart of the matter” -- Albert Einstein

H-CORE

Hypothesis

Hydrogen is the effect we observe of the precessional motion of an asymmetric dipole of super dense energy

This proposal highlights the relationship between the pre-big bang super-condensed body of energy from which the Universe was born and the creation of hydrogen atoms that are seen as the basis of matter.



Most physicists would agree with the reasoning that as the initial explosion of the big bang cooled, protons and neutrons would have come together after cooling to form the atomic nuclei under the standard big bang model. However alongside the argument of quark-gluon synthesis (1-6) there is also shown the observation that the lighter elements were present *before* cooling (2).

Herein is shown a simpler and more logical explanation that substantiates observations that H, followed by He were abundantly present during the very earliest stages of expansion.

Because the point of birth of the universe can be seen to be the result of events that took place prior to the birth of Hydrogen-Time, the synthesis of the core element of Hydrogen can be shown to have evolved before the big bang. ***The very earliest genesis of matter can be seen to have begun in pre-time, during the earliest spherical densification of spatial energy.***

From this posture one can identify the formation and the later dispersion of a specific super-solid elemental shape that:

- 1- is responsible for the ***performance of the strong interacting forces within the proton;***
- 2- is the means for ***the weak atomic force;***
- 3- is the basis of ***electromagnetism;***
- 4- is ***the reason for the creation, nature and existence of gravity;***
- 5- creates the mechanism for the formation and manner of performance of the electron;
- 6- is responsible for the total spectrum of all forms of radiation.

It is currently suspected that Hydrogen may be one of other regimes of energy that exist such as neutrinos (embracing dark matter) and the exotics. These and many mysteries, naming but a few such as the spectrum, duality of light, atomic mirroring, inflation and gravity may all be readily explained upon the acceptance of the premise that **the sphere from which our universe was born, broke up mostly into predictable, identically functional and shaped dipoles, which are responsible for all the Hydrogen atoms in existence.**

BLACK HOLE --- THE NEW MODEL

Consider a solid sphere that has a radius of one million kilometres. It is made up from very thin, tightly packed, tapered, equilateral triangular filaments made up from collectively compacted QES (one micron on the sphere's surface) that reduce to the centre. Each length is almost that of the sphere's radius -- no gaps. Reduce this to a size you can handle and halve it to look inside. You have a reasonable model of the pre-big-bang universe. (Somewhat like the photo of a crystalline structure shown on the front page.)

MINI BLACK HOLES

About the time when the big bang theory was presented, some theorists felt that the enormous amount of energy that is locked within every atom of hydrogen may be attributed to a mini black hole, (a core of spherical superdense matter), but math disqualified this approach as it led to too many infinities. (7)

ASYMMETRIC DIPOLES

As this proposal is based on the idea that the core of Hydrogen is an *asymmetric solid dipole of super dense energy*, the following arguments showing this to be so are supported with sketched models.

The math showing how the shape of H-core is a consequence of the nature of gravitational collapse shall be detailed later together with studies showing how the magnetic moment of the proton identifies with the shape of a central dipole that is shown herein. The proposed curvature of H-core's two pole surfaces that are shown to be responsible for the electron and gravity are touched upon but much work remains to be done.

H-core is herein seen as an extremely small ultra dense triangular bar that exists in unmeasurable sub atomic space. It is a dipole that has *insufficient mass to adjust into a sphere* and consequently finds balance by adjusting the space around itself, thus appearing to spin and rotate in precessional motion effectively creating all the components of an atom of Hydrogen. (Page 11. "Precessional motion of a magnetic field.")

A BLACK HOLE – ITS SURFACE AND POINTS OF SPACE WITHIN IT.

Within all black holes there is a constant gravity pressure adjustment taking place due to accretion. Every point on the surface of a black hole is gravitationally drawn and pressed down upon the point immediately below it and so on down to the centre.

What is the shape of each smallest point of an equally dissected perfect sphere's surface?

What is the relative size of each point below it where surrounding pressure has increased?

These questions imply that:

The space occupied by any minimum point of energy is influenced by the pressure around it.

Therefore every point of Space must be disposed to expanding and contracting and its shape will be relevant to the pressures asserted upon it from all sides. It will only be spherical when the pressure around it is exactly the same from every direction, a condition found on the perimeter of and in the exact centre point of a gravity-collapsing black hole. The space occupied by any quantum of energy relates to the pressure of energy surrounding it and within a gravity collapsing sphere every point would most likely be a three dimensional wedge. The geometry of the surface of a sphere shows that every smallest two-dimensional point on the perfect surface of a black hole is an equilateral

triangle. Therefore it is reasonable to surmise that when these points are linked to the centre, triangular filaments of energy are formed from the compaction of spatial energy quanta
The true centre point of a black hole is exactly where all centripetally collapsing energy is counter opposed by its direct spherical opposite. The pressure from every wedged point that is jammed around the precise centre is exactly the same. ***The vacuum in the centre is never filled.*** One may then predict that within all such super bodies of matter there is a central vacuum point of decreasing space/energy. It is this point of space that may be shown to be the ultimate point of energy's intolerance of zero and a key factor responsible for the big bang.
Predictably this factor governs the life span of every black hole and it will be shown that none will ever invent a singularity. (Reality does not have the "infinity" escape hatch of math).

SUPER DENSE MATTER --- PURE ENERGY.

The term "pure energy" can be seen to describe fundamental spatial energy or the state of energy when particle matter has been changed by pressure into a new super dense formation that may then be referred to as super dense matter or pure condensed energy. Within the body of a black hole atoms have been so tightly compacted that their energy slots itself into a new structural pattern and their behaviour is changed. Particle physics ceases to exist ***but the dynamics of gravitational collapse continues.*** Instead of the atoms of the elements being compressed like carbon into diamond, they form into dipoles which connect to one another much like a stream of triangular bar magnets that form into relatively long dipoles which maintain their shape but reduce in size the closer they are to the centre. This process starts from the centre when critical gravitational pressure (cgp) is reached. One sphere is laid around another as the total mass of the body increases. This is shown on page 8 fig. 1-3, as the "H-CORE DOMAIN"

The current assertion that within every black hole energy reaches incalculable density is very misleading. In fact the *structural pattern* of flowing energy and pressure within it during centripetal collapse is constantly changing. It is predictable and it is finite. Stephen Hawking et al refer to the central area of a black hole as a "singularity" -- infinitely dense matter. But is this the best view we have of the prime area of space that harbours all the answers we seek?

There seems to be no logic that precisely defines how and why Hydrogen "happened"--- except possibly by tracking the structure and the properties of energy within a black hole.
The evolution of energy during centripetal collapse before the big bang does seem to be the right area to find the reasons for the performance and structure of hydrogen.

The pattern of energy flow within the structure of each H-core functionally matches the structure of energy prior to the big bang while it was still in its perceived original filament state as a black hole.

H-core should be seen in its own context as a fundamental structure that emits energy from one end and absorbs it back from the other. It is responsible for all the energy and the forces that we are currently able to identify by measure.

Each single H-core is the powerhouse of all the energy and performance of an atom of Hydrogen.

It will cease to spin only when it is once again subjected to the ultimate cgp within another black hole. This cycle may be seen to be fundamental to matter *and shows its dependence to the nature of the gravity-collapsing sphere.*

The following drawings attempt to visualise the state of energy (matter) prior to the big bang and link this directly to the structure of matter today. Drawings show how frozen, individual pure energy capsules could have been created through the process of gravitational collapse and how our universe's mother star amassed energy that *disintegrated into identically shaped triangular wedges that match the consistent uniformity of all the Hydrogen atoms that have fashioned our universe.*

Those black holes that we have identified in space would have been formed mostly by the accumulation of particle matter. The model chosen herein, the Body Of Universal Matter (BOUM), describes the state of energy as it could have been just prior to the big bang, and also be seen to match the same structural laws that apply to black holes that currently exist.

Although we are unable to see such bodies, reasoning indicates that they are made up of at least five structural levels.

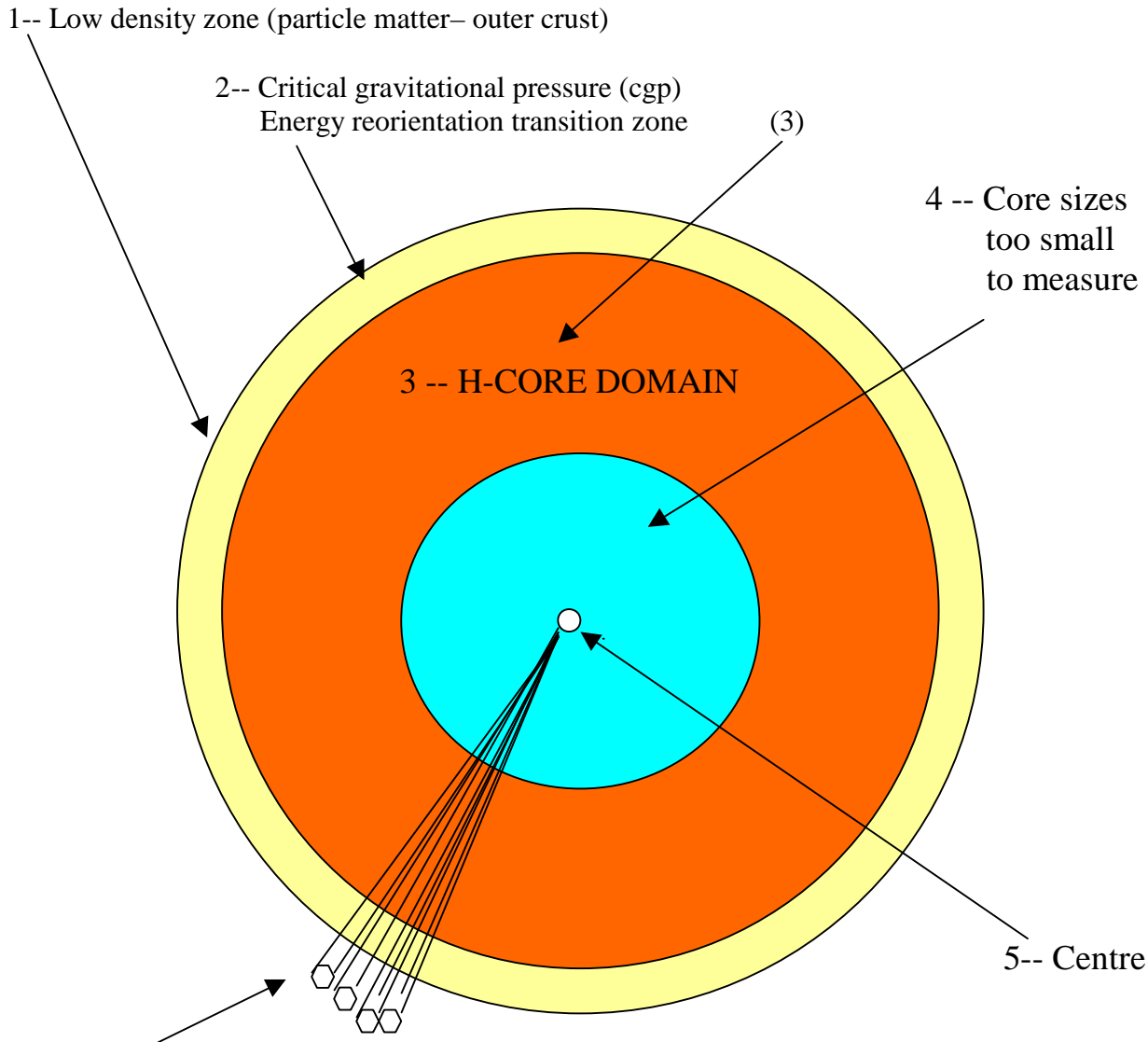
- 1-- The outer crust that still consists of relatively low-pressured energy or in the case of existing black holes, of particle matter.
- 2-- The critical pressure level, the transition phase that transforms particle matter into super dense matter, -- ultra compacted pure energy.
- 3-- The inner sphere that is made up of tapered filaments of pure energy dipoles that link together and taper from the surface down to the centre point under ever increasing pressure, which, after disintegration, a proportion are seen as Hydrogen.
- 4-- The ultra dense area where the cores, after the big bang, are so small that they are not observable, yet we know of their existence from the gravitation effect on the light that passes close to large clusters. Some may be sensed as neutrinos (dark matter), while the smaller may ever defy detection.
- 5-- The central spherical super vacuum where energy/space is being stretched to accommodate the amassed pressure exerted evenly on every point around it.

NB

It should be noted that references herein made to black holes apply inwardly from the surface of super dense matter.

Particle physics is not a part of this study. Although the Hydrogen atom falls into this category it is the fundamental form of energy at the heart of the proton that is targeted.

FIG 1— NEW MODEL -- BODY OF UNIVERSAL MATTER (BOUM)
 (just prior to the big bang --- also applicable to black holes).



Showing potential size variation from the periphery to the centre that could account for a range of sizes of energy capsules resulting in our observations of neutrinos (dark matter).

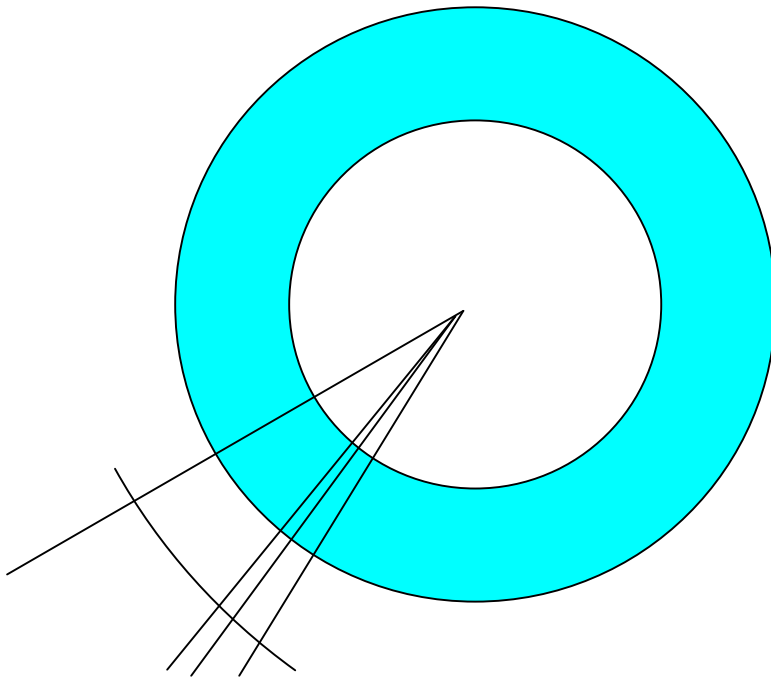
Hexagons, the result of independent equilateral triangular streams of energy locked against each other in long thin, tapered, wedges from the surface to the centre, identify the structural pattern. (See Fig. 3).

H-core size variations may resolve some key mysteries such as the source of the cosmic microwave background. The regimes of the smaller cores that would have been closer to the original centre shown as the blue sphere “4”, give credence to the existence of energy in parcels that are not yet measurably identifiable but are noticeable from their effects.

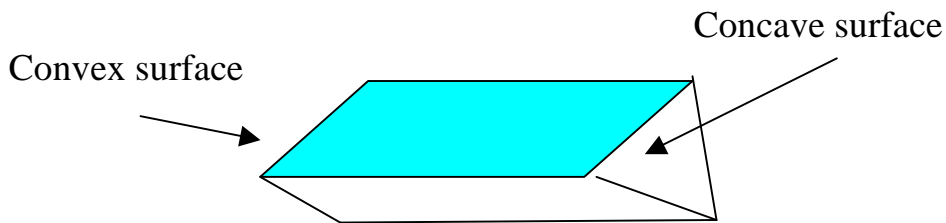
The larger sizes may be responsible for the *red shift* that is observed from very distant sources of radiation and which currently may be seen to attribute to the notion of accelerating peripheral expansion of the universe.

FIG. 2 STRUCTURE OF H-CORE

Concentric expansion would seem to have contributed to the even fracture of each filament as the shock wave met resistance from one mini dipole's high-energy barrier to the next – (each of countless spheres laid over each other during the evolution of the BOUM.) Additionally one can see the high probability that the formation and synthesis of each core was set by the sudden cooling of the central area's diminution during advanced centripetal collapse within phase space.



The above also shows that concentric shock expansion could have been a contributory factor to cause cleavage to take the shape of the curvature of the sphere showing a ***convex surface on the outside and an inner concave surface***. ***These are very significant features as they show the reason for gravity at the absorption end while the emitting surface has the concave surface and the three magnetic points of influence that create the mechanism that, with the introduction of foreign energy, account for the shifting location and the unique performance of the electron (8-9).***



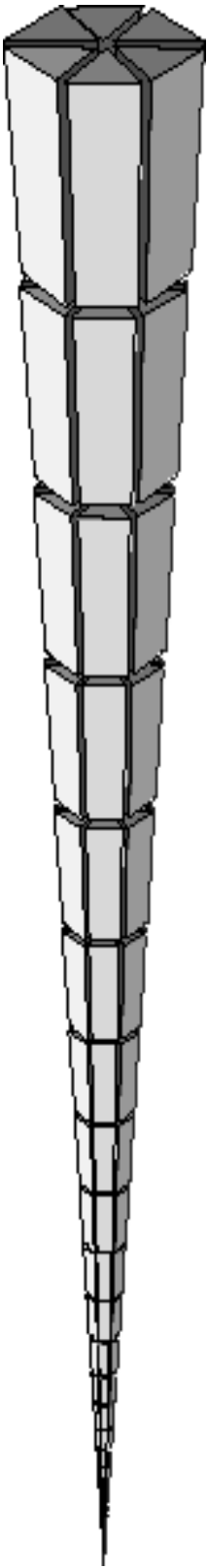


FIG.3 --- THE START OF TIME

The Tower shape shown represents the “*birth of Hydrogen Time.*” The Body Of Universal Matter (BOUM) that gave birth to the Universe is shown as it begins to fragment into single dipoles shown as triangular bars. As they separated each newly created capsule would have emitted energy into free space from one end and absorbed it back into itself from the other like a magnet. Each would have begun to spin in order to find balance and the effect of this motion is explained in some detail under “Precessional motion of a magnetic field”, (Fig 4 page 11).

As each capsule of super dense energy separated and began to spin, “Repulsion” would have played a significant role in speeding up expansion supporting the theory of *Inflation* and the introduction of *Chaos* that would have been responsible for the fusion of Hydrogen atoms to form the elements that are known to have existed before cooling, (2).

This perspective adds credence to the theory of “inflation” and substantially improves the validity of this proposal.

This tower is only one of countless trillions that formed the structure of our Universe’s mother star. This shape has been chosen because it seems to be the most logical result that will fit in with current knowledge of the performance of Hydrogen and also match the most likely evolutionary result of the state of frozen energy within the BOUM.

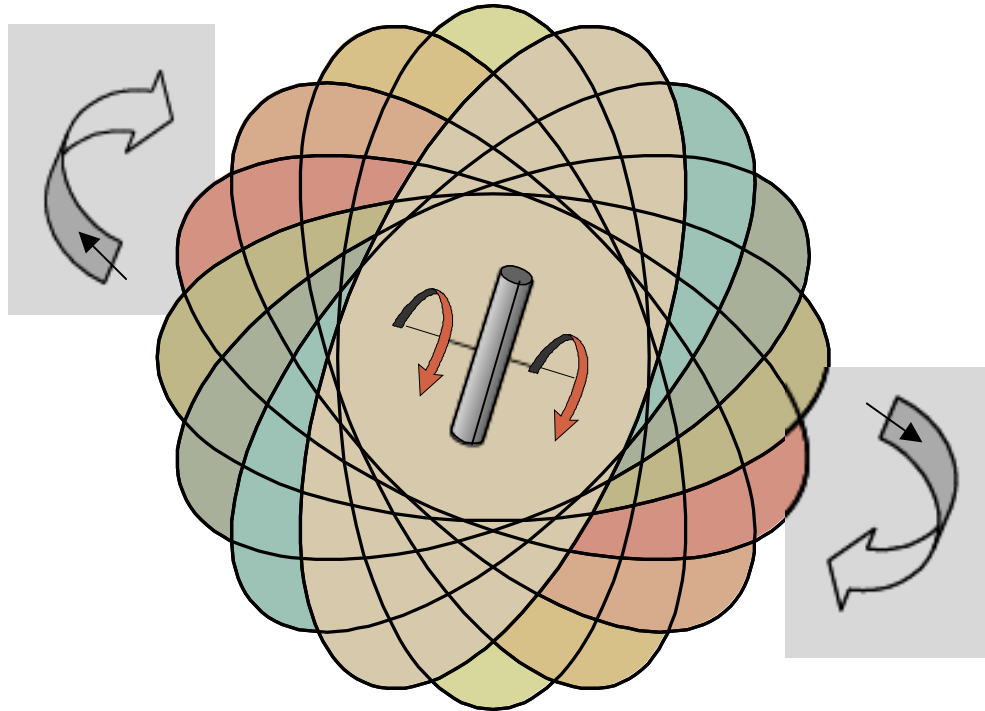
In view of H-core’s preset directional flow of energy the longitudinal surfaces of each capsule are flat and inert whereas concentric cleavage creates “*curved*”, *active, lateral surfaces*. The significance of this important factor is a highlight of this argument as it shows that –

1: *gravity* can be seen to be the effect caused by the energy sump at the convex absorption pole due to density variance between the two poles:

2: the concave emitting pole forms the unique mechanism that triggers (a) the formation and performance of the electron, (b) the total spectrum of radiation and (c) its tripartite, peaked flux that is analogous with quarks.

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Fig.4 PRECESSIONAL MOTION OF A MAGNETIC FIELD



When a bar magnet spins in precess with two or more axes the poles keep following ever changing paths. When speed is increased the body of flux shown here by different coloured ellipsis, (strobed positions) will appear to cancel when overlapping. However because the pathways followed by the poles are constantly changing, sections of the flux field will remain intact in varying degrees. The outermost tips show no cancellation while the central area would appear to be completely cancelled.

At certain rates of precess the non-cancelled flux will show up as separate convoluting energy capsules in orbit which closely resemble the functions of the components of the nucleus of an atom of Hydrogen. One can then see a clear analogy between the patterns of performance of the tripartite flux streams of a triangular magnet as it identifies with quarks.

Whenever any of the components are deflected by collision and become independent they are immediately replenished. The resulting separated particles may be seen as *weak atomic forces* with predictable life spans.

SUPPORTING ARGUMENTS:

REASON FOR THE SPECTRUM.

Energy emission from H-core is directionally pointed outward from one end of a bar that is in constant precess. It sweeps across a viewing point with varying intensity. A viewer will see diminished magnitudes of light on both sides of full frontal exposure. The Doppler effect may account for some of the variance on the two sides of the Spectrum.

ATOMIC INTERACTIONS.

When H-core is spinning and tumbling in balance we see the atom of Hydrogen in a natural state with very little energy emission. But when this is disturbed by the absorption of foreign energy input, its balance is affected, it wobbles out of sync and it leaks and radiates. The displacement of the electron may be caused when energy input distorts the focal point of the concave pole thus creating velocity differentials around the swirling neck of the flux and the conversion of force into energy through the emittance of photons. When another H atom is brought near enough to eventually interlock, (perhaps into an orbital relationship when the magnetic neutral zones crunch and pivot together), this is seen as fusion and the new combined spin may be seen as deuterium, helium etc.

DUALITY OF LIGHT -- PARTICLE AND WAVE PROPERTIES.

Precessional motion sets up several sequences that are part of an overall repeating pattern. It is these groupings that strobed measurement can and should identify. For example, equipment used to identify the dual nature of light should interpret the longitudinal and latitudinal projections to have different properties showing - ie.- 1,3,5,7,9 as particle and 2,4,6,8,10 as wave. **The current perspective does not see a spinning emission point as the source of light and therefore views the multiple sequences as a single pulse event.**

ATOMIC DORMANCY and VARIOUS OTHER PHENOMENA.

The spin characteristics and the harmonics of H-core change with reduced surrounding energy (temperature), giving the dormancy impression. As surrounding energy levels are reduced there is less foreign energy to absorb and H-core finds equilibrium, thus emission is reduced. This results in the dormancy mode when atomic structures are frozen to near absolute zero temperature.

Reported disappearance of atoms during study would indicate that the stroboscopic equipment used could at times be receiving precessional sequences of images of the absorption side of the atom thus showing a dimming or in some rare cases a non-transmitting face which could be analysed as momentary disappearance -- it becomes invisible.

Beam splitting devices that show strange differences and changes of a single beam of light are demonstrating that a single beam is in fact multi faceted showing the changing character of emissions caused by precessional motion.

GRAVITY

The convex curvature of the absorption pole of H-core with the larger area exposed to space is one minor factor that may contribute to the cause of Gravity. However the prominent factor that clearly stands out as the proponent of gravity is the *variation in density between the two poles*. This creates the sump that contributes to a slightly larger absorption capability at the less dense absorption pole thus showing each Hydrogen atom to have an extra capacity or a wider scope to attract and absorb energy. Gravity could be the consequence of this characteristic as each sump acts as a proponent of Gravity.

(Eg. Emit 100 / absorb 101: $G = -001$)

The possibility of a “universal synchronised rhythm” is an interesting prospect.

CONCLUSION

Further studies and the math will hopefully show that the hypothesis on which this argument is based may be seen to be a fundamental truth. This will be a while in coming.

ACKNOWLEDGEMENTS

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*SPACE --- The bearer of light, the cradle of matter, the crucible of life,
the ancient perdurable registrar of every event, thought, dream and
abstraction of every Time of Time*

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