THE MECHANICS OF THE GRAVITATIONAL FORCE, THE ELECTROMAGNETIC FORCE

AND THE MECHANICS OF MOTION

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THE MODEL ASSUMES THE FOLLOWING:

1. THE UNIVERSE CONSISTS OF AN INFINITE ABSOLUTE SPACE OCCUPIED BY AETHER. THE NATURE OF THE AETHER IS ONENESS. THE AETHER HAS NO SUB UNITS.
2. MATTER EXISTS IN THE FORM OF SPHERICAL VOIDS IN THE AETHER.
3. THERE ARE TWO FUNDEMENTAL FORCES OF NATURE:

1.The gravitational force

2.The electromagnetic force

THE GRAVITATIONAL FORCE AND THE ELECTROMAGNETIC FORCE ARE OPPOSITE BUT EQUAL FORCES.THE TWO FORCES ARE THE PRODUCT OF AETHER COLLAPSING INTO A SPHERICAL VOID. AT THE SURFACE OF A VOID, THE AETHER IS INSTANTANEOUSLY ACCELERATED TO THE SPEED OF LIGHT. THE ACCELLERATION IS GENERATED BY INFINITE PRESSURE FROM INFINITE AETHER OCCUPYING AN INFINITE UNIVERSE. THE MODEL ASSUMES THAT INFINITE ACCELLERATION DESTROYS AETHER AND CONVERTS IT INTO RADIANT ENERGY WHICH IS INSTANTANEOUSLY ACCLELERATED TO THE SPEED OF LIGHT AWAY FROM THE VOID. THUS, THE SPHERICAL VOID REMAINS VOID AND THE COLLAPSE IS PERPETUAL.

DEFINITIONS:

GRAVITON (the spherical void that exists at the core of protons and neutrons): The radius of a graviton

GRAVOID (the void that would be formed if all the gravitons in a given mass were fused into one single void)

R= radius of void or gravoid

Rk = radius of the gravoid of a 1 kilogram mass

D= distance from center of void

C= speed of light (299,792,458 METERS PER SECOND)

g= gravitational acceleration (g of a given mass is calculated as if all the gravitons in the mass have fused into a gravoid at the center of the mass)



G = gravity constant (G is equal to the gravitational acceleration in the gravitational field of a 1 kilogram mass at a distance of 1 meter). Let the radius of the gravoid of 1 kilogram of mass = 2.725999 x 10-14 meters.

**THE GRAVITON:**

IS A SPHERICAL VOID WITH A RADIUS OF 1.11446399 X 10-27 METERS. THEY EXIST AT THE CORE OF PROTONS AND NEUTRONS. THE MASS OF THE GRAVITON IS EQUAL TO: KILOGRAMS

THE ENTIRE MASS OF A PROTON OR NEUTRON IS IN THE GRAVITON. ALL OTHER SUB ATOMIC PARTICLES ARE NOT VOIDS. THEY DO NOT GENERATE GRAVITATIONAL FIELDS. THEIR ENERGY AND MOTION ARE DERIVED FROM THE INTERACTION OF THE ELECTROMAGNETIC FIELDS OF GRAVITONS.

**RADIANT ENERGY**

WHEN AETHER CONVERTS TO ENERGY AT THE SURFACE OF THE GRAVITON, IT ACCELERATES INSTANTANEOUSLY TO THE SPEED OF LIGHT AWAY FROM THE GRAVITON. THE COLLAPSING AETHER IS MOVING TOWARD THE GRAVITON AT THE SPEED OF LIGHT. THUS, IN ORDER FOR RADIANT ENERGY TO ESCAPE THE GRAVITON, IT MUST BUILD TO A LEVEL SUFFICIENT FOR RELEASE.

**LET B = THE RADIUS AT WHICH RELEASE OCCURS**

AFTER A RELEASE OCCURS, ENERGY AT THE SURFACE OF THE GRAVITON MUST AGAIN BUILD BACK TO **B** FOR THE NEXT RELEASE TO OCCUR.THUS ENERGY RADIATES AWAY FROM THE GRAVITON IN PULSES OR WAVES WITH A GAP BETWEEN EACH PULSE OF ENERGY. THE ENERGY CONTENT OF EACH WAVE

**LET = NUMBER OF RELEASES PER SECOND**

**LET w = THE WAVELENGTH**

WAVELENGTH is equal to **B** plus THE DISTANCE OF THE GAP BETWEEN RELEASES.

THIS IS THE FREQUENCY AND WAVELENGTH AT WHICH A GRAVITON WILL RADIATE ENERGY IF IT EXISTS IN AETHER THAT CONTAINS NO OTHER RADIANT ENERGY. IF THE GRAVITON RECEIVES ENERGY RADIATED FROM OTHER GRAVITONS, THE FREQUENCY OF RELEASE WILL INCREASE PROPORTIONAL TO THE AMOUNT OF ENERGY IT RECEIVES.

**BALMERS EQUATION FOR WAVELENGTH AND FREQUENCY APPLIES AS FOLLOWS:**

m = The square root of the wavelength

n = The square root of the gap portion of the wave:

UNIT OF MEASUREMENT =

WAVELENGTH =

**CALCULATING g OF GRAVITATIONAL FIELDS**

THE MAGNITUDE OF THE GRAVITATIONAL FIELD GENERATED BY A BODY IN SPACE, SUCH AS THE EARTH, IS CALCULATED AS IF ALL THE GRAVITONS THAT IT IS COMPRISED OF HAVE FUSED TOGETHER AND FORMED ONE LARGE VOID.

IF ALL OF THE GRAVITONS THAT MAKE UP THE EARTH WERE FUSED INTO ONE VOID, THE RADIUS OF THE RESULTING GRAVOID WOULD BE 0.0666 METERS. GRAVITATIONAL ACCELERATION AT A DISTANCE EQUAL TO THE RADIUS OF THE EARTH WOULD EQUAL:



THE FORCE OF THE GRAVITATIONAL INTERACTION BETWEEN TWO VOIDS IS PROPORTIONAL TO THE SURFACE AREAS OF EACH VOID.

The gravitational force generated by the surface area of void (a) acting on the surface area of void (b) = The gravitational force generated by the surface area of void (b) acting on the surface area of void (a)

THUS:



**MECHANICS OF MOTION OF VOIDS THROUGH AETHER**

VOIDS MOVE THROUGH AETHER BY CONVERTING MORE AETHER INTO ENERGY ON THE SURFACE OF THE HEMISPHERE FACING THE DIRECTION OF MOTION THAN ON THE SURFACE OF THE HEMISPHERE OPPOSITE THE DIRECTION OF MOTION. IF A VOID MOVES THROUGH AETHER WITH A CONSTANT SPEED OF "**s**" METERS PER SECOND IT WILL CONVERT CUBIC METERS OF AETHER PER SECOND INTO ENERGY ON THE HEMISPHERE FACING THE DIRECTION OF MOTION.THE ABSOLUTE VELOCITY OF THE AETHER WHEN CONVERSION OCCURS = C. IT WILL CONVERT CUBIC METERS OF AETHER PER SECOND INTO ENERGY ON THE HEMISPHERE OPPOSITE THE DIRECTION OF MOTION.THE ABSOLUTE VELOCITY OF THE AETHER WHEN CONVERSION OCCURS = (C+**s**). IT FOLLOWS THAT:

* A void in motion will have a positive hemisphere and a negative hemisphere. The hemisphere facing the direction of motion will be positive. The hemisphere opposite the direction of motion will be negative.
* The excess energy created on the positive hemisphere will flow to the negative hemisphere and will generate an electromagnetic field.
* The motion of the void through aether generates the electromagnetic field.
* The electromagnetic field sustains the motion of the void. On the positive hemisphere of the void, the conversion of aether into energy is enhanced by the presence of the field. On the negative hemisphere of the void, the conversion of aether into energy is retarded by the presence of the field. This force that sustains motion is the genesis of Newton’s first law of motion.
* The magnitude of the electromagnetic field is proportional to the velocity of the void.
* The surface area of the void does not change with velocity, thus the mass of the void is constant.
* The magnitude of the gravitational field of the void is constant.

IF A MOTIONLESS VOID EXISTS IN AETHER THAT IS MOVING AT A CONSTANT SPEED OF "**s**" METERS PER SECOND IT WILL CONVERT CUBIC METERS OF AETHER INTO ENERGY ON THE HEMISPHERE OPPOSITE THE DIRECTION OF MOTION. IT WILL CONVERT CUBIC METERS OF AETHER INTO ENERGY ON THE HEMISPHERE FACING THE DIRECTION OF MOTION. FROM THIS IT FOLLOWS THAT:

* The motion of aether does not transfer to a void. The void remains motionless in absolute space.
* The motion of aether will generate an electromagnetic field around the void
* The mass of the void is constant.

**MOTION OF VOID IN A GRAVITATIONAL FIELD**

A VOID THAT EXISTS IN A GRAVITATIONAL FIELD WILL CONVERT CUBIC METERS OF AETHER PER SECOND INTO ENERGY ON THE HEMISPHERE FACING THE SOURCE OF THE FIELD.THE ABSOLUTE VELOCITY OF THE AETHER WHEN CONVERSION OCCURS = **C**. IT WILL CONVERT CUBIC METERS OF AETHER PER SECOND INTO ENERGY ON THE HEMISPHERE OPPOSITE THE SOURCE OF THE FIELD. THE ABSOLUTE VELOCITY OF THE AETHER WHEN CONVERSION OCCURS = THUS THE VOID WILL ACCELLERATE AT g METERS PER SECOND2 TOWARD THE SOURCE OF THE FIELD.

**MOTION OF ELECTROMAGETIC WAVES THROUGH AETHER**

ELECTROMAGNETIC WAVES ARE GENERATED ON THE SURFACE OF VOIDS AT THE VELOCITY OF C = 299,792,458 METERS PER SECOND. THIS VELOCITY IS RELATIVE TO AETHER. IT IS NOT RELATIVE TO ABSOLUTE SPACE. THUS:

* If an electromagnetic wave moves through and in the same direction as aether moving at "s" meters per second, its velocity relative to aether = C. Its velocity relative to absolute space = C + s.
* If an electromagnetic wave moves through and in the opposite direction as aether moving at "s" meters per second, its velocity relative to aether = C. Its velocity relative to absolute space = C – s.

THE ATOM

THE MECHANICS OF GRAVITY AND ELECTROMAGNETISM AND MOTION IN THIS MODEL REQUIRES A MODEL OF THE ATOM IN WHICH THE NUCLEUS CONSISTS OF GRAVITONS THAT EXSISTS IN ORBITS.THE STRUCTURE OF THE ATOM, RATHER THAN BEING DESCRIBED IN TERMS OF THE INTERACTION OF PARTICLES, WOULD BE DESCRIBED IN TERMS OF THE INTERACTION OF THE ELECTROMAGNETIC FIELDS GENERATED BY THE MOTION OF GRAVITONS IN THEIR ORBITS.