

Short Note on Unification of Field Equations and Probability

Mesut KAVAK

Is math in harmony with existence? Is it possible to calculate any property of existence over math? Is exact proof of something possible without pre-acceptance of some physical properties? This work is realized to analysis these arguments somehow as simple as possible over short cuts, and it came up with some compatible results finally. It seems that both free space and moving bodies in this space are dependent on the same rule as there is no alternative, and the rule is determined by mathematics.

1 Introduction

It seems that matter is uncertain. Uncertainty brings some physical properties out together with itself. Matter emerges as a density over time by increasing acceleration as waves over free space being has time differences between any point of its free space. Space turns into particles and particles turn into space continual manner. Matter gains its mass by collecting space in a limited volume at light speed. During its emergence it constantly experiences potential difference since there are time differences in the other name emergence priority. There is a single work to create all the universe, and the work is done one by one for each point of free space and thus particles. By this way any point of the universe gets the same speed since the single work is done by the same speed as work-done is equal to kinetic energy. Total energy of matter is according to this creation work. Because of this reason matter cannot go faster than light as also cannot move at lower speeds since the light speed is the highest speed as also the lower is not possible. When an object moves from A to B in space, it means inner motion or in the other name its formation motion which brings energy for matter out during its continuous creation, moved to A to B at the creation speed. Matter uses the same space at the same time [1].

While matter experiences the potential differences, naturally there emerge some denser and low density and thus disordered or more ordered points. Disordered points want to be distributed on lower density or more ordered space points since have more stress. Matter gains its total energy because of the work done against this resistance of free space, that otherwise it would not be created since the existent smallest force can move the existent bigger mass magnitude at infinite speed.

The sliding space from disorder to more ordered point also takes the space points or particles together with itself since the they emerge over this sliding free space. Actual reason of force and energy is this gravity is included, and force is only distributed as waves over time along space.

2 Impossibility of perpendicularity

There is a presentation of a right triangle on Fig. 1. Just think, that x is lengthened to any x_2 value being the right angles are the same. Here, B is a point which its coordinate in space is known. C is the place an observer takes place in space. If A is, it is a moving body. You have already understood and have seen the secret geometry; but even so, I am going to tell it more detailed.

Over the inequality and definition of $x_2 > x$, it becomes (1) over the inequality of $h_2^2 - h^2 > z^2 - z_2^2$,

$$1 > \frac{z^2 - z_2^2}{h_2^2 - h^2} \quad (1)$$

where $h^2 + z^2 = x^2$ and $h_2^2 + z_2^2 = x_2^2$ are the equations over

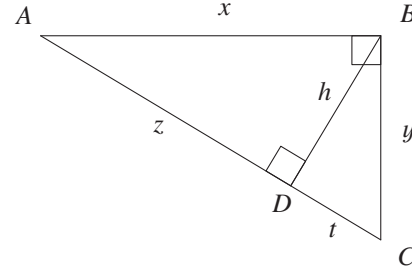


Fig. 1: Here is that famous right triangle about to be more famous. Actually any type triangle without any emerging right angle in it can be used instead; so also the others are going to be more famous soon.

Pythagorean theorem. In the same manner, it becomes (2),

$$h^2 + t^2 = h_2^2 + t_2^2 \quad (2)$$

where $h^2 + t^2 = y^2$ and $h_2^2 + t_2^2 = y_2^2$ are the equations over Pythagorean theorem. If (2) is edited, it becomes $t^2 - t_2^2 = h_2^2 - h^2$; thus if $t^2 - t_2^2$ is used instead of $h_2^2 - h^2$ on (1), also it becomes (3) over $t^2 - t_2^2 > z^2 - z_2^2$ inequality.

$$1 > \frac{z^2 - z_2^2}{t^2 - t_2^2} \quad (3)$$

Now the actual displacement inequalities have been determined. Right this point, assume, that there is no displacement namely no lengthening. For this condition, it becomes $x_2 = 0$, $t_2 = 0$ and $z_2 = 0$; thus (3) becomes (4),

$$t^2 > z^2 \quad (4)$$

and (1) becomes (5).

$$-h^2 > z^2 \quad (5)$$

Hence it can never be $z = t$; thus for $z \neq t$, it also becomes $x \neq y$, $h \neq z$, $h \neq y$ and $h \neq x$. Namely, while x is lengthened, y cannot protect its actual length. The medium is conservative.

3 Uncertainty

If area is conservative then for 2 dimensional medium, it becomes Eq. (6),

$$dx dy = 0 \quad (6)$$

where $ds = dx + dy$, $ds^2 = dx^2 + dy^2$ and thus $ds = ds^2$. Here, even if the two components always change, sum of them is always conserved for any physical value for example as $p = p_x + p_y$ and $p^2 = p_x^2 + p_y^2$. It means 2D motion is not possible.

In 3D space, the equation becomes Eq. (7),

$$dx \left(\frac{1}{dy} + \frac{1}{dz} \right) = -\frac{1}{2} \tag{7}$$

Warning

where $ds^2 = dx^2 + dy^2 + dz^2$ and $ds = dx + dy + dz$.

There are five possibilities for motion's emergence type constantly or partially by some intervals as $dx = dy = dz$, $dx = dy$, $dx = dz$ and $dy = dz$ or none of them. $dx = dy = dz$ equation is not possible when it is checked over Eq. (7). For the others, if dx is taken from Eq. (7), and then if it is put on its place on equation which is $ds = dx + dy + dz$, the equation becomes Eq. (7a).

$$ds = dy + dz - \frac{dy \cdot dz}{2(dy + dz)} \tag{7a}$$

Here, assume that it is $ds^2 = dx^2 + dy^2$ which is the projection of the same ds during forming a sphere by $ds^2 = dy^2 + dz^2$, where $dx = dz$ by the same angle vertically and horizontally according to a fixed reference; then Eq. (7a) becomes Eq. (7b).

$$dx^2 = dy \cdot dz + dz^2 - \frac{dy^2 \cdot dz^2}{4(dy + dz)^2} \tag{7b}$$

Over Eq. (7b), it can be said that $dx = dy$ and $dx = dz$ are not possible. For $dy = dz$ equality, it becomes $dx/dy = 33/16$; but if it is used on the main function Eq. (7), it seems that even it is not possible as well; therefore there is only one possibility left that none of them emerges even for any interval of motion, and the components are always different. They never intersect for any combination. Any point of free space has emergence priority due to the time differences

Over the defined elements, presentation turns into Fig. 2.

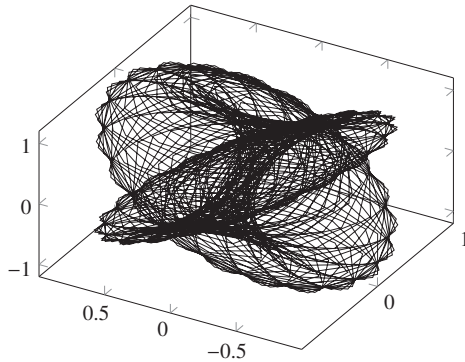


Fig. 2: Limited presentation of mass emergence by the parametric function which I derived [1].

Fig. 2 is actually an attractor. It can only be valid in this shape at the beginning of time since the distance taken was all possible ways of the universe in the smallest time. As you can see over the above stated derivative components, dx , dy , dz are the smallest 3D derivative components of an unknown function whatever the function is; so as matter basically works over the same principle, namely if that components were for speed, distance, force or time by changing functions, the rule would be the same even component magnitudes change; so according to these component magnitude change, the attractor naturally changes for selected different intervals; but at the end, any motion closes to the rule of attractor.

4 Existence probability of uncertain bodies

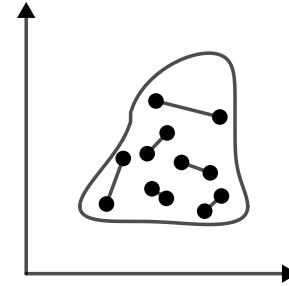


Fig. 3: Conservative area with a random closed curve

There is a random shaped closed curve on Fig. 3. Even if 2D is not possible, we are going to work on 3D over it.

Now think that some changing magnitude forces are applied to create mass in this area between two point. Any small point of are has emergence priority; thus they can never intersect even for increasing points; so if we turn the Fig. 3 into Fig. 4, it is also acceptable.

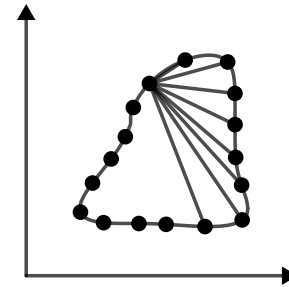


Fig. 4: Creating mass

On Fig. 4, assume that the force is applied from a point to the other all point on the circumference being the distance between the points are the same. For this, as there is emergence priority and thus time difference for each small point of area; being n is total point number on the circumference, it can be $n\Delta l_1$ as also can be $n^2\Delta l_2$ where Δl is average length of the used to create an area; thus it becomes $\Delta l_1 = n\Delta l_2$ over $n^2\Delta l_2 = n\Delta l_1$. It means, if you draw all lines only from one point to the other all point, you need more points on the circumference to scan or create and thus to converge the area. If you draw lines from each point to the other all points, then you do not need more points on the circumference, and both of them are acceptable since there is not going to be intersection point of lines as stated the above. In the same manner, the equation also becomes Eq. (8),

$$nE = A \tag{8}$$

where $E = Fr$ over average length on $\lim_{r_0 \rightarrow r} (F_1 r_0 + F_2 r_0 + \dots + F_n r_0)$ is total energy and A is total area. Here E and A does not converge over $\lim_{n \rightarrow \infty}$; instead of it A is always fixed; so if you write $\lim_{n \rightarrow \infty} E = A$, it means zero energy

which the area A on the horizon holds. To understand this, assume that you have a square has r side in accordance with abstract math. If you draw the closest parallel r lines to this side, you obtain the square and its r^2 area; but also if you draw the lines as perpendicular, you obtain $2r^2$ area. If you constantly repeat it, being f is repeat number, it has fr^2 area; but in accordance with the time difference, it cannot exist such since there cannot be intersection point; so since there are infinite time differences and thus space allows this, during the process, the energy which the area holds decreases as it can be seen over Eq. (8) being the area is the same. This creates a density concept such as energy density or mass density which the area holds. Area does not specify energy, distance or mass. Assume that there are infinite kind of free space in absolute space; then area is the part which you closed on horizon as imaginary to calculate the physical values of the space which is in the borderlines of the area you closed. Space could be created in any way by changing physical values as independent on the area you closed. As a result, E is dependent on n inversely proportional being E is $E(n)$.

Any curve which is assumed as closed can also be defined in the kind of a circle for $r = \sqrt{A/\pi}$ radius over $A = \pi r^2$. Already any closed curve must be circle at the end if there is motion. Namely, if you take center of gravity for closed curves as a reference, it becomes $|F_{p+x}r_{+x} - F_{p-x}r_{-x}| > 0$ in absolute value where $r_{+x} \neq r_{-x}$ and F_p is partial force applied on a line in the area; but it becomes $|F_{p+x}r_{+x} - F_{p-x}r_{-x}| \approx 0$ in absolute value where $r_{+x} = r_{-x}$ since the path for any force-applied is the same in circle as radius, and F_p is partial force applied on a line in the area. It is approximate 0 since there is actually time differences and thus actually for the same time also force magnitude or distance taken cannot be the same in different direction. As a result, it becomes $|F_{p+x}r_{+x} - F_{p-x}r_{-x}| > |F_{p+x}r_{+x} - F_{p-x}r_{-x}|$ in absolute value. The difference in force in closed curves which are not circle also creates motion in accordance with the definition of force since it will be $(F_1 - F_2)/t = v_F$ where t is time of change in force and v_F is its velocity or will be $m_1a_1 - m_2a_2 = ma$; so they are stressed and they want to take themselves to lower energy state, and at the end, to minimum energy state for its any point since denser points has more energy; but as it was said, this creates motion.

Hence the other variation of $\Delta l_1 = n\Delta l_2$ and thus of Eq. (8) as $nA = E$ is impossible; because matter moves from the denser space to lower density naturally. Forcing it to denser space is also moving to lower density since still matter emerges at that time by moving to lower density in inner space. Namely, natural characteristic of matter is not dependent on $nA = E$ since for the fixed A , it is going to be $\lim_{n \rightarrow \infty} E = \infty$. It cannot allow emergence of motion.

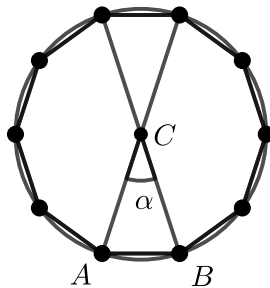


Fig. 5: Polygon transformation being n is even number

Over Fig. 5, it becomes Eq. (9) where $\alpha = 360/n$ and $AB = d$ and $E_2 = nFr/n$ assuming n goes to infinite.

$$d^2 = 2E_2^2 - 2E_2^2 \cos(\alpha) \tag{9}$$

Also it becomes Eq. (10) over $nd = 2\pi\sqrt{A/\pi}$ for the circumference of the circle where $\pi r^2 = A$ assuming n goes to infinite.

$$d^2 = \frac{4\pi A}{n^2} \tag{10}$$

If Eq. (9) and Eq. (10) are equalized to each other, then we get Eq. (11),

$$1 - \cos(\alpha) = \frac{2}{r^2} \tag{11}$$

where $\alpha = 360/n$. Here assume that $\cos(\alpha)$ is the sum of all possibilities of possible existence of F and r relatively to each other since $\cos(\alpha)$ changes over $\alpha = 360F/\pi r$ where $n = A/E$. Namely all possible F and r values are in this area for $\int \cos(\alpha) dr$. Also you can use $\int (1 - \cos(\alpha)) dr$ as an option. For $\int \cos(\alpha) dr$, we have Eq. (12),

$$1 = \frac{360x}{\pi} Si\left(\frac{360x}{\pi y}\right) + y \cos\left(\frac{360x}{\pi y}\right) \tag{12}$$

where $x = F$ and $y = r$. Do not think the functions allow $n = \infty$; because it creates infinite probabilities. In the exact opposite way, matter is uncertain as convergent. Namely n has an end. Otherwise matter would not be created since E is going to become 0; so for the calculation π is going to be a decimal number for required approximation.

As it was said, matter is uncertain; but as area is conservative in accordance with the proven impossibility of perpendicularity over the right triangle at the beginning of the paper, derivative resultant always becomes $ds = 1$ for any high dimension number due to $ds^n = ds$; so for example it is always $mc = 1$ as a certain number; but as emerging matter has time differences it becomes Eq. (13),

$$\frac{1}{1 - t_0} > 1 \tag{13}$$

where t_0 is relative time of any selected space point according to any other point being 1 sec. is total time of the entire universe or as relatively is the time of another point when the others have not get it. It creates an uncertainty. The creator of the universe can only know the certainty. The inner elements cannot know energy or time being certain. Each physical property that time is included as well, exactly converges to a value being having different length decimals after the comma for any point of the universe continuously. By this way information is conserved forever since there cannot be a flexible collision or friction by the same natural numbers, integers or for example the irrational numbers with a limit as real numbers. Hence even if total physical values of the universe is certain, it is assumed as uncertain by these rules. Otherwise infinite frequency in a limited area renders impossible to emerge of matter being created.

Warning

5 Area effect on optics

As total energy is dependent of $nE = nFr = mc^2$, it becomes Eq. (14).

$$\lim_{n \rightarrow \infty} \frac{mc^2}{nr} = F = 0 \tag{14}$$

Since force is sum of both circular displacement and moving to more ordered area at the same time together because of time differences, it actually means $F_G + F_C = 0$ and thus means Eq. (15),

$$F_G = -F_C \tag{15}$$

or means Eq. (16) over $\lim_{n \rightarrow \infty} \frac{mc^2}{nr} = F_C + F_G$ where $F_C = mc^2/r$.

$$\lim_{n \rightarrow \infty} \frac{mc^2}{r} \left(\frac{1}{n} - 1 \right) = -\frac{mc^2}{r} = F_G \tag{16}$$

It means, matter can move in two different type as distributed on area or as focused since when n is infinite, it is like a linear motion; but actually n cannot be infinite, for focusing, you can only see the part of a higher dimension that actually is 3D in lower dimension that actually is 2D due to the changing values of in an interval that it does not have to be for only creating, that is possible after creation for focal points of universe over partial forces or distances of total values. These also mean that the actual equation is Eq. (17),

$$F_G \approx -F_C \tag{17}$$

where $F_G > F_C$ or $F_C > F_G$ that one of them may always valid, or by changing intervals there is a constant transformation from one of them to the other one due to conditions.

Here actually 2D means both 1D and 3D. Actually it means still 3D; but depth and width are too close to a threshold value; so also you can assume that is 1D instead of 2D since it is going to be counted as without area or volume. Also it seems that it is related with the famous mass gap of Yang-Mills.

Warning

How we can describe the equality or the inequality as axial? It can only become Fig. 6, and it is insufficient even if the angles can change anyway.

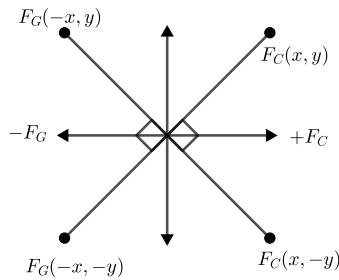


Fig. 6: Gravity and centrifugal force

It is insufficient; because on one axis, only one of them can be placed. It means Riemann surfaces are in the question, and complex analysis is required. The symmetry in the universe seems central symmetry.

Namely if I should show both focusing and complex placement together, it becomes Fig. 7. Here real and imag-

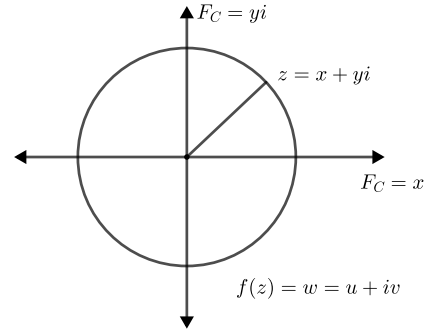


Fig. 7: Complex plane

inary parts are intersected at the middle of the quarter circle. Somehow, it is like it, that neither imaginary part nor real part does not increase from 0 or does not decrease to 0. Just the point slides slowly since is $F_G \approx -F_C$. Here is like an intersection point of motion between dimensions. Finally over it, it becomes Fig. 8.

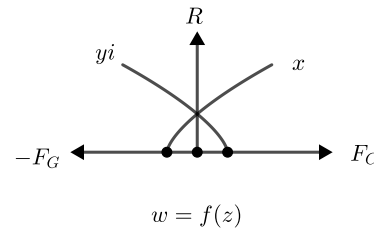


Fig. 8: Complex plane for the image set

As the focusing again, for example over Fig. 9, the focused matter appears more around black and white area instead of the other grey colors between black and white, according to your duplicating direction. This shape is only for example. It is not identical.

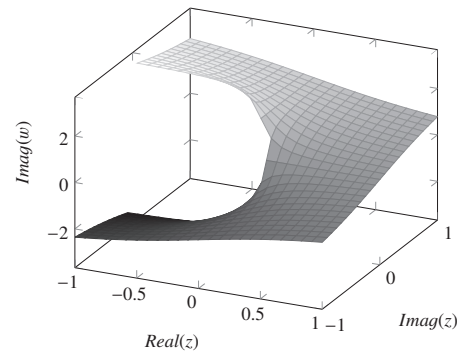


Fig. 9: Single branch of a random Riemann surface

6 Area effect on gravitational behaviour: The local gravitational fields

There is an object which is assumed as doing circular or elliptic motion around a mass on Fig. 10.

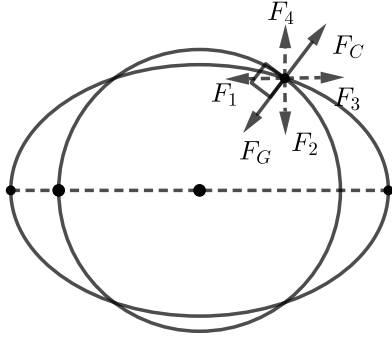


Fig. 10: Circular and elliptic orbits

For this condition, it becomes $F_G = \sqrt{F_1^2 + F_2^2}$ and $F_C = \sqrt{F_3^2 + F_4^2}$. Over $F_G = F_C$ assumption, it becomes Eq. (18).

$$F_1^2 + F_2^2 = F_3^2 + F_4^2 \quad (18)$$

It means, that for the worst possibility, the components cannot be equal to each other to emerge of motion. If any two of them become equal to each other, then all of them becomes the same force; thus it renders impossible emergence of motion since they are not in the same direction. As a result, we can easily say that it is either $F_C = F_G$ with different components or $F_C \approx F_G$ again with different components. This conditions render impossible to move on a circular or elliptic orbit; because it must spin being the distance between the object changes over time because of the resultant force even for fixed magnitude different components or for the components which get different values by changing over time, that these two option seems they change escape or falling time and direction; but not. They cannot fly off or fall; because for each attraction or centrifugal force change over $F_C = F_G$ equality is conserved; so if escaping force is caused by centrifugal force, at the same magnitude, an attraction emerges. It means, the components change, and an orbit which closes a curve emerges. It cannot perfect circle because of acceleration motion since before a new force is applied with different magnitude and way, the previous force causes acceleration and distance taken.

Orbital objects constantly experience different distances while spinning around a mass. There is no constant boosting. There is a constant transformation between attraction and centrifugal force.

Inference

Motion cannot be constant speed motion. Objects either accelerate or decelerate constantly or by some changing periods, by using both of them at different times with different magnitudes.

In accordance with conservation of energy, it must be $F_1 + F_2 + F_3 + F_4 = F_G + F_C$; thus over $(F_1 + F_2 + F_3 + F_4)^2 = (F_G + F_C)^2$, centrifugal force becomes Eq. (19),

$$F_C = \frac{F_1(F_2 + F_3 + F_4) + F_2(F_3 + F_4) + F_3F_4}{\sqrt{F_1^2 + F_2^2}} \quad (19)$$

where $F_G = \sqrt{F_1^2 + F_2^2}$, and gravitational force becomes Eq. (20),

$$F_G = \frac{F_1(F_2 + F_3 + F_4) + F_2(F_3 + F_4) + F_3F_4}{\sqrt{F_3^2 + F_4^2}} \quad (20)$$

where $F_C = \sqrt{F_3^2 + F_4^2}$. It again seems fixed orbital is not possible.

As it can be seen, here $F_1(F_2 + F_3 + F_4) + F_2(F_3 + F_4) + F_3F_4$ must be fixed even for higher dimensions for the same rule, since $F_G = F_C$ is the equality and thus denominators change the resultant. Over these, we can write $F_G F_C = 1$ and $F_G + F_C = 0$; so gravity becomes Eq. (21),

$$F_G = \frac{F_C + 1}{F_C - 1} \quad (21)$$

and centrifugal force becomes Eq. (22).

$$F_C = \frac{F_G + 1}{F_G - 1} \quad (22)$$

For the resultant force it becomes Eq. (23).

$$R = \sqrt{(F_4 - F_2)^2 + (F_3 - F_1)^2} \quad (23)$$

In accordance with Eq. (23), natural motion is circular motion that the difference is too small with regular circle; because F_1 and F_2 can get very small number near zero; so the orbital acceleration which is because of the components, that even if the component magnitudes do not change over time, the resultant over Eq. (23) causes acceleration over $F = ma$, causes continuous speed increase in the same orbit without flying off or falling until the existence of the orbital mass creates a density around the central object since already is a resultant of attraction and centrifugal force. When it gets the maximum speed, it means either it became light speed, or since mass emerges for 1 second, its existence is distributed on space and thus speed could not increase to light speed but a different speed limit as attraction properties changed for an unit of time over mass. Hence if an orbital is not circular, it means exactly there is an external drive.

Over Fig. 10, as it can be seen, for example while F_3 is increasing F_1 cannot increase or if F_4 is increasing F_3 cannot increase in accordance with Eq. (23) and $F_C = F_G$ equality. Resultant force which determines the shape of orbit cannot be fixed since there is an acceleration motion and thus there are changing magnitude components over time. It means, after some distance is taken in the way of centrifugal force, again distance is taken in the opposite way, in the direction of gravity. As the change in component magnitude is continuous, it draws sinusoidal wave on the orbit as a second effect. If is 3D, it draws helix around the central mass.

Every orbital object follows helical path which has circular or elliptic orbit at its center.

Inference

7 Natural relativistic mass

In accordance with these findings, gravity is almost equal to centrifugal force if you do not include the time differences that as it was proven [2], if you include it, as long as distance increased, centrifugal force increases, and is the reason of dark matter misunderstanding. There is no dark matter. Linear attraction or momentum turns into angular momentum. This is not boosting; but is transformation. Orbital objects cannot fly off; but they get faster. Gravity does not work as Newtonian. Distance and gravitational force relation changes

over distance. The attraction properties change for each point of free space, and have some limits. The attraction changes due to some values between $1/r$ and $1/r^2$

Since mass is gained by motion and motion is circular, centrifugal force as a result of circular displacement causes some special attraction properties in mass creation.

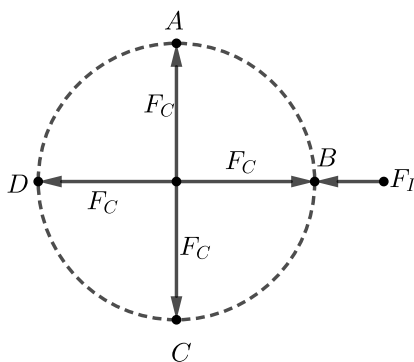


Fig. 11: Natural relativistic mass

Mass is a varying phenomenon, and as a result of this, also attraction is varying. It can be seen some times like an external energy is working. Namely you can suppose that energy is not conservative since incredibly small energies can do work much more than their total energies. This is possible, and is dependent on some conditions.

Imagine that the 2D circle is a particle on Fig. 11. Naturally a single wave with a fixed mass and energy winds it, and the particle gains more mass if the frequency gets higher since detected mass of the basic wave in an unit of volume increases. Know that shape can be different, and actually it cannot be static since force is not continuous at every point of the circumference at the same time. It draws circular paths on space; but assume it is static. It is not important now.

Now if you apply a force to push it from B point, if the particle has enough frequency on the surface, naturally no object can pass from B point since any point on the circumference will be like it is full of mass even is not; but if the frequency is low relatively, exactly required particles can pass inside of the particle without collision or friction with the surface wave. When $F = ma$ is handled, the mass here is the result of the condition. Namely some directions of the centrifugal force of the surface wave are in the same direction with the external force-applied in outer space over $F = ma$; but also some of them are in the opposite direction. Hence when you talk about mass, it can only be sensed and detected in this way; then think that this particle is spinning around another object like in atoms. What happens if the direction of external force over $F = ma$ becomes the same with the other object's direction of surface wave. For this condition, relative mass decreases. They get the smallest work value since inertial resistance gets closer to zero for both attraction and repulsion, that means almost zero mass. This depends on how fast they spin around each other, and how many mass they have. Atomic and subatomic particles may be inclined to spin in a state of resonance; thus also the emerging attraction or repulsion incredibly increases. This increase is such an increase that no oil can do this. Also resonance is not required. It can occur between some limits by changing values.

It seems that electrons can also lower the mass of nucleus by this way if it gets enough spinning speed and thus

frequency, as also can increase. It also means that if you induce an electric charge on a material by AC current not DC, then if you catch the correct frequency, you can make matter worked by its own energy by a phenomenon like almost teleportation against gravity. You do not need so much energy. Even incomparably small energy can realize this. Timing and frequency change everything. It also means, earthquakes can be created without ELF waves or atmosphere can be used to send electricity over air molecules almost without resistance to the other side of the world by small energies. Even it can be focused.

8 Conclusion

These show us again, that the phenomena are also chaotic, emerge in an interval but in many different kind. Chaos is a perfect principle, and is a law according to me and my findings.

Also it seems entropy is an absolute law. Any measurable physical value of matter is uncertain. Even for after the comma which means in small amounts, between two different times, there must be an evaporation or in the other name vibration decrease since free space has resistance, and it is recovered since there will be friction or collision by different magnitudes as non-flexible; so repeat and thus frequency required to keep matter standing. A work is constantly done even in each small time. Matter is sum of many frames.

As you can see over the above stated derivative components, dx , dy , dz are the smallest 3D derivative components of an unknown function whatever the function is; so as matter basically works over the same principle, namely if that components were for speed, distance, force or time by changing functions since the rule is going to be the same, for example if you knew t as the same for any component during measuring distance over $x = vt$, then v would be different. If you knew v , then t would be different. As also there is time differences, a motion is only able to emerge over arcs since there is no middle point for any force applied; so additionally if you know t , v becomes uncertain because of emerging irrationality; so in the exact opposite way of the measurement over the wave function in accordance with Heisenberg, not only at the same time, even if you measure any physical value at different times even for different phenomenon, there is going to be no intersection point. You may get closer but equation. As a result, 3D position or for example 3D mass cannot be detected certainly if you know for example time. Even you cannot detect the other component if you know one of them. Namely, the uncertainty is not limited by momentum and destination. It is also valid for example between mass and destination or time and distance. As a result for like-this relations, you must relate them by both inequality and uncertainty like Heisenberg did. Also you can write your own with coordinate system.

This is like the rule of circle. If you take the circumference as integer, then you make the radius uncertain as irrational. If you take the radius as integer, then the circumference becomes uncertain because of the relation between area and length of the circle.

Hence entropy also increases as long as there is motion. If you assume that there are infinite universes then the total energy of the universe which is done to create it against space resistance must be provided by another universe or energy source. It means between two energy, there is an energy transfer. While our universe is emerging, the source loses energy, and when our universe gets lost, the energy stored again by the source; but as you can see this is not different then the energy transfer in our universe during creation or after creation. Namely, if there is a transfer, there is going to be vibration decrease and extra energy need. It means, the source is consumed by mc^2 each second because of both on-space entropy

which emerge during constantly creation repeat of universe and the entropy which is equal to existence of matter since the work-done is done against extinguishedness of matter. It means our universe consuming many universes, as the other universes consume many other that also source universes need energy from other one, then where is the extra energy provided from. Our universe also must be source of another one.

If you think there are limited universes that the number can be like 10^{10000} , as infinity can never work since anything is element of it namely there is no energy change in infinite energy, these universes would spend mc^2 even in infinite sum. Namely energy spent by these universes for 1 second is equal to infinite period of their life time spending. As a result there cannot exist infinite universes at the same time with infinite transfer. Infinite transfer amount means emergence from nothingness constantly each second since requires infinite energy decrease to 0 and then increase from 0. This is non-sense. Already it cannot be over time. It happens untimely manner and first time creation is not possible.

Already as you can see, there is no constant speed due to the components. It also means there is acceleration or deceleration. Acceleration is only possible from zero point that is not possible; but deceleration is possible from infinite, absolute energy, and emerging things are its virtual parts with frequency. There is an imaginary time point that I proved it mathematically [1]. There are imaginary time, motion and energy.

We should develop a new probability function over conservation of area and thus of energy. Even we should include appearance from imaginary time which I discovered that you can check it over the rule of the triangle which proves impossibility of perpendicularity, and seems also Riemann surfaces are dominant in universe. Complex analysis is required.

The classic probability function which is based on Gaussian normal distribution allows even infinite universes or for example taking place at infinite distance. Actually these must be between some intervals. Namely if you have a probability detector, and if you take place at Mars, for an electron which is placed at the world somewhere, the probability will increase as long as you get closer to the world. If you take place at Jupiter, just the amount changes but again converges as long as you move towards the world; but you cannot take place at somewhere beyond the universe itself since the area can only hold limited energy. The probability is limited. There are some paradox. Instead of it, ratio of each probability increases and cannot be certain or 1 none of them alone; but can be 0 and this is paradox of physical laws. In a limited interval there are infinite probabilities, times, and this is dependent of irreversibility of entropy and thus single way of time. In the same manner, the place which the electron takes place cannot be 0. As a result, a function to use for probability calculations, it cannot be integrated to infinity and from negative infinite.

I am going to work about these. If you find this short work helpful, also you should in the name of perfection of our abilities and information.

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