



Theory of Ultimate Reality

KEYWORDS

Annular pancreas; duodenal stenosis; duodenojejunostomy

SHIVAM KUMAR

KRISHNA INSTITUTE OF ENGINEERING & TECHNOLOGY

ABSTRACT *What causes gravity ?*

Why time differs at different planets ?

Why we experience a force on accelerating and deaccelerating and nothing of these at a constant velocity ?

I appreciate the Einstein's theory of Relativity and great contributions made by him but a few of them doesn't hold the reality. Saying universe a 4-Dimensional fabric is not the justice with the reality, reality is beyond these limits. Universe is not more than a illusion in which all those things having mass and occupying space are responsible for it's existence and also responsible for the existence of space and time. We all are dealing with a universe in which Matter holds the reality, not a imaginary fabric which constitutes space & time.

Here I will introduce a precious term FIELD LINES which intracts with the Newtonian Mechanics to know the world around us in a better way, which is misunderstood with Dark Energy or other terms. Presence of matter is responsible for the existence of our dimension. There is a great symmetry in our spacetime and universe. There are various causes working together and enabling the universe to expand it's not because to acquire the extent of randomness.

It reveals the actual cause of gravitation and explains various causes like How matter affect our daily lives in different ways ? which has not come to light yet.

It shoes up the limit of gravitation and explains a precious term ANTIGRAVITATION and how forces becomes repulsive when distances are measured in light years. Ultimate Reality would reveal various factors, causes and will answers the various questions which mankind facing today ?

INTRODUCTION

If I talk about Relativity it says universe is a 4-Dimensional fabric wouldn't from both space and time, but it does not seem to be reality. I'm not saying it's not like a fabric 'Yes' it's like a fabric but the reason behind the existence of spacetime is the field lines which are produced by every body containing mass and occupying space (Matter). These field lines connect every planet, galaxy and one material object in our universe to other, whose value varies from one body to other. Which depends upon frame of reference. Our dimension will also be extinct if there is no field lines all around due to the absence of Matter. Field Lines interact with each other wisely but varies with position, orientation, velocity, acceleration & other effects which is described briefly.

These field lines with definite value at the surface cause gravitation to act but just up to a certain distance which can be measured in light years after which it becomes repulsive, YES I'm saying gravitation becomes repulsive which causes the Universe to expand & it is spontaneous, that's why our scientists are now measuring that rate of expanding universe is increasing.

(\mathcal{C}) Density of these field lines at the surface of a material object directly proportional to Mass & Density, & inversely proportional to the Square of distance i.e.,

Condition 1 :- $\mathcal{C} \approx M \times D / r^2 \rightarrow$ It can be used to derive the ratio of field lines between two material objects

Since density of black holes is infinity, that's why flux density of field lines emitted by them also reaches infinity & it grabs light too. Black holes are formed by a planet by its

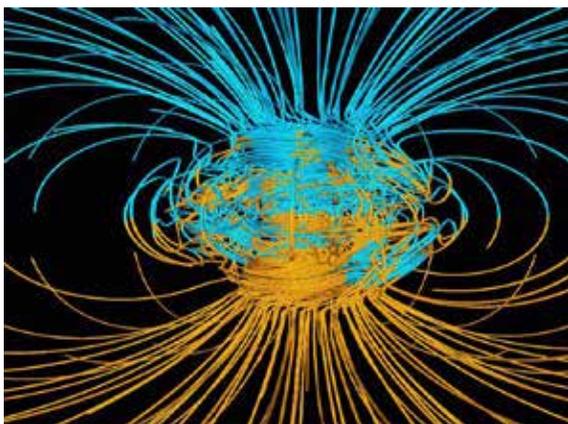
own gravity, in those exceptional cases the field lines emitted by planet contacts itself to merge & form a black hole.

Let's take an example If I move continuously away from earth with a speed of 1m/sec. (not 11.2Km/sec.) there will be a limit when the flux linked between me and earth would reduce too much so that there would be roughly no interaction between the field lines emitted by me and earth so that I could escape out of earth anyhow it will take a longer distance as given by the above expression, that's how the field lines work.

That interaction of field lines between me or any material object with earth causes Gravity. These field lines are maximum at surface & decrease further as we move away, as shown by figure :- If I talk about the ultimate reality, the intensity of a single field line emitted by a material object does not decrease up to infinity anyhow the flux density (\mathcal{C}) or the number of field lines per unit area decreases as we move further away as given by condition 1. Universe consists of these field lines caused by matter, which connects each other & enables our dimension to exist. Density of these field lines differs for different planets, which causes the spacetime to change its geometry as a result of it time differs at different planets (proved at page 8 & 9) anyhow their range is infinity for every material object.

Matter changes the geometry of our universe just because of these field lines & we may get into another dimension if we could make a stable relation between the field lines of our universe to the other. Even light is not free from these field lines (because of photons) but these are so weak for light to interact with matter anyhow it interacts that's why presence of planets affects the path of light &

restrict it to a limited velocity i.e. 3×10^8 m/sec. because we can't say that it's just a moment for the photons to reach the earth from sun doesn't matter it's nearly 8.31min for us. We may compare it to the consciousness which according to me is just a state of mind when the various universal laws are applicable & experienced. It's a universal phenomenon in which matter constitutes a complete system & we call it Universe. Field Lines consists both space & time & limit for our dimension and universe is just upto the presence of matter at the fatherest point after that their flux density decreases upto infinity & we moves into a universe which ends at infinity. If there is no matter there will be no field lines & there will be no meaning for term like dimension to exist. It takes a larger escape velocity to the body's whose mass & density are higher because there would be a higher intraction between two bodie's field lines, but the intraction becomes repulsive when distances are a few light years w.r.t. a single mass which I will prove with gravitation. That actually causes the universe to expand. There is a good example for the existance of field lines & thier properties which are described above. The compressed spring weighs more than a uncompressed one, It seems to be funny when someone says that it's applied energy responsible for increment in weight, then Why it does so ? Whereas the mass of spring remains the same, Ultimate Reality would answer this question in a better way :- Answer becomes quite simple, whenever the number of field lines per unit area increases they intracts in a better way with the field lines of other objects. In case of spring when we compresses a spring the overall mass density in a given volume in space increases which leads the field lines to came closer as a result of it they intracts in a better way as compared to earlier with the field lines of earth, as a result of it the overall weight of spring seems to be enhanced (as given by condition-1). Later we will talk about such ideas in brief which would help us to understand field lines in a better way.



Question arises why mass of a body increases whenever they are at extremely high speed as given by equation :

$$\rightarrow M = M_0 / \sqrt{1 - (v/c)^2}, \text{ for } v = c/2, \text{ Mass becomes } M = 2 M_0 / \sqrt{3} \text{ i.e. } M = 1.15 M_0$$

At $V = C/2$, for a 1kg mass $M = 1.15$ kg, for a 100 kg mass $M = 115$ kg. Here we saw a constant ratio in increment of mass at the same velocity, there is a reason behind it related to field lines. Since there is no change in atoms/molecules why mass is increased ? It is happening because whenever a body is at a extremely high speed relative change in field lines increases with universal net of field lines, which causes the matter to enhance it's value.

It's related to the frame of reference, If observer is also moving with the same velocity there will be no relative change in mass.

Now question arises what will happen to our mass if we are at the other end of universe where the flux density of field lines is nearly zero. Answer is simple due to the absence of intraction of field lines observer's mass would become infinity at such place.

We may get into other dimension only if we could make a stable relation between the field lines of both universes.

GRAVITATION & FIELD LINES

Two objects exerts equal force on each other, because there is always a constant & equal number of Field Lines are intracting in between them anyhow the acceleration of smaller mass is more due to the intensity of field lines by the bigger mass.

Here, we will start from very beginning to prove the Gravitational & Antigravitational field lines & their effects on our daily lives. Consider we have two weights 10kg & 1kg fallen from same height "h", one thing which we notes that both the weights attains the same velocity at any instant. Both attains a velocity 'V' just before touching the ground. We know that,

Potential energy = mgh, where gh=constant hence P.E. is directly proportional to Mass or Amount of matter present in it

Kinetic energy = $1/2 MV^2$, due to same velocity of both masses at any instant, K.E. is directly proportional to Mass too.

Hence we get to a simple conclusion that Energy carried out by the body directly depends upon mass or amount of matter present in it. Here, I am talking about this because Kinetic energy & Potential energy is the measure that with how much intensity field lines of two objects are intracting with the other (say earth). That's another thing that we have divided it into two parts i.e. K.E. & P.E.

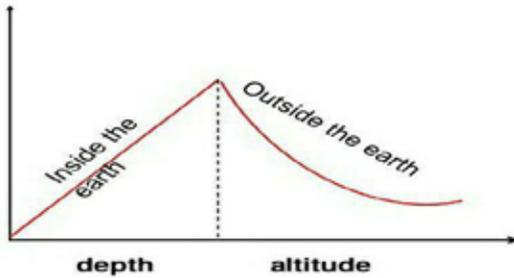
Why do not the bigger mass get to earth faster than the smaller one ? Why different masses attains the same velocity while falling from a given height ?

Answer is a little tricky. There is a great symmetry in our universe. All the forces are equally balanced/encounters by some other forces. The objects with more mass (matter) contains more Antigravitational field lines too alongwith gravitational ones. In above expression the bigger mass contains more antigravitational field lines comparison to the smaller one due to more matter, which equally opposes it's motion towards the earth & we get a definite value of velocity for different mass & definite acceleration i.e. 9.8 m/sec².

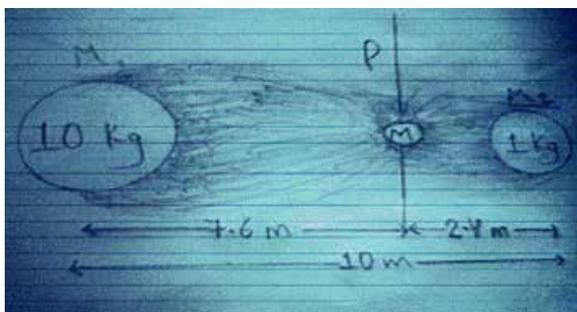
The cause of acceleration is that the density of field lines is maximum near the material objects. While falling the intensity of field lines increases hence the intraction between field lines increases in a constant manner as a result of it the objects accelerates.

There is a limit after which it becomes repulsive but before that it's totally attractive as we see on earth. It's polarity changes after a certain distance, that's the only reason for the expanding universe alongwith our dimension at a very

high rate as already proved by Albert Einstein & now he is claimed by saying that the value of expanding universe is more than he calculated because he could not predict that expanding rate increasing every moment due to this antigravitation.



Picture showing the variation in intensity of Field Lines on the surface of Earth, same for all other objects.



Roughly picture shows how field lines between two masses influences with third mass placed between them.

Two matter objects wants to maximise the intraction of field lines that's why they want to get more closer & we calls it Gravity. Same way we experience no force while falling freely because here the state of maximum intraction occuring simultaneously & we experience a "g" force while opposing it.

Let suppose you are sitting in a car, suddenly car accelerates we experience a force which pulls back to the seat & vice versa on deacceleration. The reason for these penomenon is same as that in case of a block tied to a spring at one end & other end is in your hand. You pulls the other end of spring with an acceleration the spring stretches because block wants to stay in initial position. Same way the field lines linked to us gets affected/stretched & a opposing force is developed to encounter the change i.e, to get back us in the minimum potential energy state. That's why if our velocity on earth reaches 11.2km/sec, we will get out of these shackles of field lines, that's why escape velocity is angle independent.

In case an object moving with a constant velocity there is no relative change in field lines & we experience no force, only acceleration changes it's value. Potential energy of a body depends upon the frame of reference of object w.r.t. observer. An object placed at 10m & 1st observer at the ground while other at 10m high. According to first both object having potential energy while according to the second one object have no potential , I'm talking about this general phenomenon because here Field Lines are in frame of reference w.r.t both observers in which inreaction between field lines of objects taking a part & we are calling it Potential Energy.

Acceleration produced by single field line remains constant upto infinity, while the flux density variates for the field lines produced by a material object.

Field lines are always outside the material object, that's why the value of "g" variated in a controlled manner as we move up or down the earth's sufrage & doesn't reduce to zero or extinct at infinity, due to the cross linked geometry of field lines through the entire universe.

Let suppose there are two masses M1 & M2 (10kg & 1kg) in space & there exist a point P in between them where an external mass M experience no force, it states that the intensity of field lines is equal for both the masses at that point due to which intraction made by mass M with M1 & M2 becomes equal, hence if we place an object in plane P (directed towards observer) it will experience a force towards the point at which mass M is situated now, to get the maximum intraction of field lines, as given by figure :-

Question arises why time slows down when we are neare to a gravitational potential ? No doubt time is relative it depende upon frame of reference, but the reason behind the relativeness of time depends upon the relative change of field lines of two bodies w.r.t. each other. Taking a old example, two person one in spacecraft, Spacecraft moves with half the velocity of light & returns back to earth after a few hours, person on spacecraft will found that his few hours was equal to years w.r.t. earth's time . The reason behind this phenomenon is relative change in field lines which is too much for the person within spacecraft at a extremely high velocity that's why time slows down for the person within spacecraft.

TIME & FIELD LINES

Actully field lines & their density at that place causes time there. That's why value of time differs at different planets. If there is no field line there will be no existance of gravity & there will be no meaning for the existance of time.

Value of time differs at different planets because the distance between the two points does not remains same as compared to other planet. The field lines causes the space-time to merge & expand too simply,

→ Time = Distance / Speed , If we move with same speed at two different planets, because of difference in Distance" time variates. Let me explain please,

For the bigger planet the density of field lines is more & according to Ultimate Reality the smallest unit of distance is the distance between two field lines nearer the surface, BUT it variates due to the variation of field lines when we talks about two different planets, because of matter. Value of time decreases for more dense field lines since there is more relative change in field lines as compared to second planet, therefore in case of black holes value of time beecomies neglegible & affects the mass too & everthing happens at a single instant as in case of photons, that's the actual cause for variation in time. That's why Albert Einstein said that "we will not die, if there is no gravity".

Using, $M = M0 / \sqrt{1 - (V/C)^2}$ we get, $V = C \sqrt{1 - (M0/M)^2}$, we know $V = \text{Displacement} / \text{Time} (V=D/T)$, putting in relation we get,

$T = D / C \sqrt{1 - (M0 / M)^2}$, Let $D = C$ (for a instant), We get → $T = 1 / \sqrt{1 - (M0/M)^2}$, solving we get $M = M0 T / \sqrt{(T^2 - 1)}$. This equation shows up that with decrease in

time mass increases & we know that mass increases when velocity increases & the greatest thing is that presence of gravitational potential decreases time here also gravitational potential increasing with velocity that's why time decreasing because with increase in velocity interaction of field lines with universal net of field lines increasing, that's all I was talking about.

The final relation shows the time dependence of mass, & we all are well aware that how matter & field lines causes time. I just wanna show up the symmetry of universe through this equation.

DISCUSSION & CONCLUSIONS

Here, we will discuss about the myth that everybody in the universe wants to acquire the minimum potential energy state but the truth is that a body does not want to change its present state, these are the external factors working together & forcing a body to do so. Because we can't define potential energy if there is no gravity, because a wire shouldn't develop an opposing EMF if it wants to stay in minimum potential. Also universe does not want to expand but it is antigravitation which came into light when distances are measured in light years. Actually minimum potential energy is the reference point of a body to measure its tendency. In case of a bar magnet we say that it starts at N & ends at S pole, but it's not like that it's an imaginary quantity whose value does not change from one point to other end of universe, when a bar magnet is placed inside a coil & no deflection occurred then there is no field line actually moving from N to S pole, there are various ideas I found which we have considered once & them all are working accordingly.

Relativity says, if I am sitting on a chair there is a force by spacetime pushing me into the chair, actually these are the field lines between Earth, chair & me (in which earth's are major) working together & pushing me & chair towards the centre of earth.

There is also a misconception regarding the dual nature of light, actually still we couldn't predict what happens when we get the limit of universal phenomena, I can't say more about this one.

ACKNOWLEDGEMENT

Having the great pleasure in presenting a very new idea regarding some new properties of matter in universe which has not come to light yet. The only person which I would like to thank to prepare ULTIMATE REALITY are my parents for their precious support, help, & believing in me whatever I did for this theory in last 1 year. I belong to a village, a community where people do not know that they do not know, but my parents have always supported me to follow my dreams. I am grateful to my tutors who helped me to know the meaning of life, so that I could work for the betterment of science. I am hoping that, all these ideas are revolutionary from the point of view of science.

I have taken this opportunity to express my gratitude towards science. I am grateful for having an opportunity to work for the betterment of society & making these valuable comments through Ultimate Reality.

REFERENCES

- [1] Albert Einstein (1915), Author- Jacquelyn Mitchard. A Theory of Relativity. United States, HarperCollins, 2001
- [2] Quora (June 2009). Formatting problems and various questions. Mountain view, California, By:-Charlie Cheever, Adam D'Angelo, Website-->

www.quora.com

- [3] Richard P. Feynman (2005). The Feynman Lectures on Physics. United States, Addison-Wesley.
- [4] Wikipedia (Jan. 15 2001). Hundreds of Descriptions and Details. Wikimedia foundation, By:- Jimmy Wales & Larry Sanger, Website--> www.wikipedia.com