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Forces in Earth

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Abstract: In the universe number of unknown solar system, like our solar system. The universe number of planets stars & so on which are unknown to human in this paper we take earth and moon to forces act on earth.

Yet, the number of paper related to gravity and force act between earth and moon. Here in this paper, I will try to which is force in between earth and moon i.e. attraction or repulsion. But someone force which is present in it? In this paper I will try to find & proof exact force attraction or repulsion (push or pull) act between or among the plants. With the help of tide & magnetism.

Generally, we are thing any object coming toward earth in curve path, but when it occur and when it execute this low i.e. low 'general theory of relative'

I will try to prove which force between planets i.e. earth and moon for how the objects execute the low of relativity, I will try to state it in this paper by to take "general theory of relativity".

Keywords: universe number of unknown solar system, forces act on earth.

I. INTRODUCTION

For to find which type of force is in between or among planets. We are considering two planets for study- Earth and moon.

Force between earth and moon force in earth orbit on the earth have gravitational effect which hold all component animals & so on etc. due to gravitation but suppose we are think which force hold to the earth & moon then? Which is force in between them?

In earth orbit, the gravitation act on anybody, anybody from sky toward earth in curve shape. Such like projectile motion. but some time they execute this low how?

For to find the force between earth & moon we are take for consider following topics or assumptions

- 1] Only consider earth & moon.
- 2] No external any force on them.
- 3] The tide on earth by only moon.
- 4] To study gravitation no other planet force act on earth.
- 5] Other planet are neglected.
- 6] Air resistance is neglected.

NOTE: all FIGS are non-scale

II. BODY OF ARTICLE

PART 1: FORCE BETWEEN EARTH AND MOON

But for to our study we are consider some the theory.



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1] "The distance between earth & moon is increasing, & earth spin slowing down." [1]
equation 1 Mathematical
$r \propto \frac{l}{n}$
Where,
r = distance between moon & earth
n = spins of earth.
2] Distance between earth & moon is decrease the tide are increase [4] [5] [6] [7] [8] [1] [9] [10 mathematically
$r \propto \frac{1}{T}$ where $r = distance$ between moon & earth
T = seal level / tide level / high levelequation 2
3] "The force is proportional the product of two mass & inversely proportional to the square the distance between them."[2] [3]
Mathematically
$\mathrm{F} = \mathrm{G}\frac{m_1 m_2}{r^2}$
$F \propto \frac{1}{r^2}$ equation 3
$F \propto G$
Where,
F = force between mass
G = gravitational attract
$m_1 \& m_2 = mass of resin$ [2]
r = distance between masses.
1] Proof on tide magnetism.
The moon tries to pull at anything on earth to bring it closer, but the earth is able to hold on to everything except the water(sea level) ^[5] statements 1.
"Spring tides are about the same height whether at new or full moon, because the tide bulge occurs on both sides of the earth the side toward the moon & the side away from the moon (sun) they will not be equally high because the distance between the earth & sun, & the earth & moon both very & so will their producing effectiveness. The highest spring tides occur when the moon is at its closest to the earth the so called perigee tide."
Statement 2.
According to Newton 3 rd low of "ideally every action is equal & opposite reaction." i.e., so tide occur both side.

But, where does go the reaction of force of attraction between moon & earth?

We know that, "tide are created because the earth & the moon, just like magnets are attracted to each other." [11] so earth & moon both are like magnet. So when the force applied on any side of body then also act same force in opposite direction.



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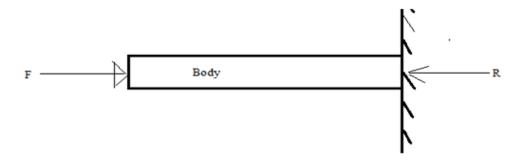


FIG: A-1

Trial condition1:- For attraction

Suppose we are thick. The moon are try to attract the earth. i.e. the force of attraction between moon & earth.

Assume, moon & earth attract to each other like magnet.

Proof 1

$$r \propto \frac{l}{n}$$
 from equation 2

But earth & moon are like magnet.

We know, we can observe only one effect on earth that is of change in distance on sea i.e., tide due to it execute water [11]

Statement-1

$$r \propto \frac{l}{T}$$
 where, $r = distance$,

T = tide/level.

When both are have force of attraction then direction of force toward the centre. By opposite plant & for equilibrium also the moon & earth are close to each other then tide is maximum into the side of moon on earth.

But & actually or naturally it is maximum to side of moon. Shown in figure A-2

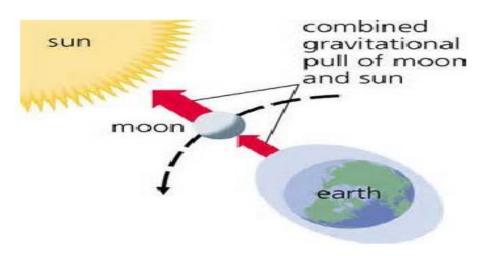


FIGURE: A-2 [13]

FIG. A-3 is represents how it happen when attraction is occure



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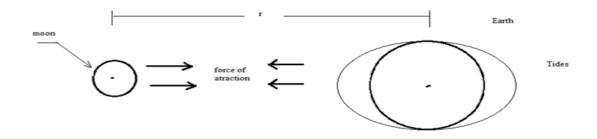


FIG :A-3 :moon and earth attract each other

But when we considered that the force of attraction in between earth & moon, then maximum attracts force. & we know that force attraction means toward the centre. Showe in fig, A-4.

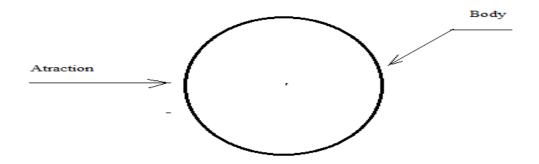


FIG: A-4 ;Attraction force

So, it occur compression

But, naturally at tide the sea level is higher to side of moon.

So, it is state that the moon & earth have no attraction force?

Condition? Check for repulsion.

Trial condition 2:For repulsion

i.e., the moon & earth repulse (push) force applied to each other.

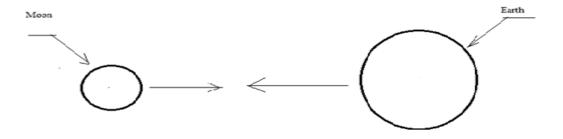
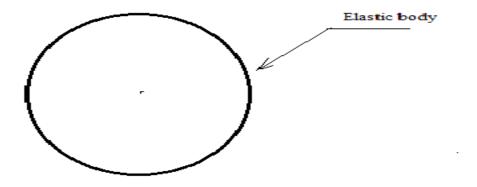


FIG A-5: Repuse between Earth and Moon



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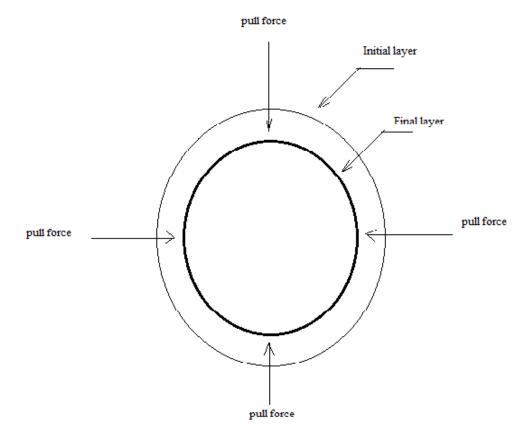
Example.1] for our example suppose on rubber (circular) have capacity to generate push or pull type force without external supply Then. Sowen in fig A-6,



Flg: A-6 Elastic boady

Take reading.

- 1] When it generates attraction (pull) type force. The boundary is reducing in all side, Shown in fig: A-7.
- 2] When it generates repulse (push) type of force the boundary layer is increase in all side, shown in fig A-8,



Flg: A-7 Attraction



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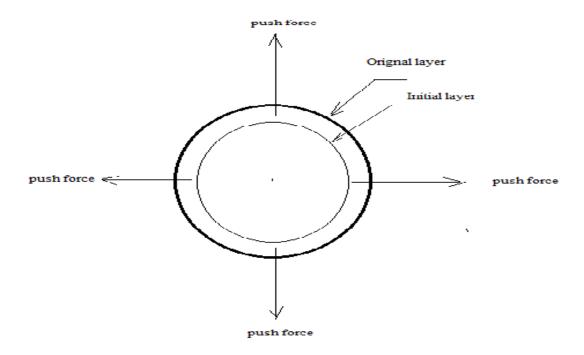


FIG: A- push force on body

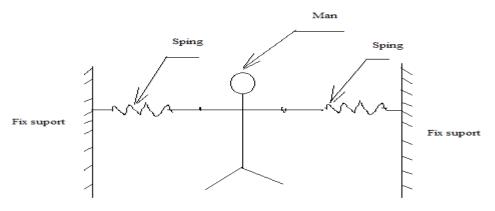
Example. 2] Imagine that you are in center of man apply force on spring two spring & push the force on them,

The force goes to your center to hand & then act on spring i.e., your body is relies / tension.

- Now, pull the spring by both hand.
- Then, the force goes in direction toward the body i.e., your body compression, shown in fig A-9.

So, when moon & earth are push each other then the earth as well as moon is under tension. $as \ a \ statement-1$

It also at on moon but due to as statement -1 we can observed it only on earth as the sea level is increase in the side of moon as well as opposite side.



Flg: A-9



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Example. 3] When two magnetic ball are fitted on the axis which is passes centrally, Shown in fig, A-10.

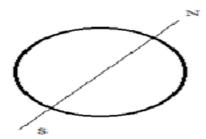


FIG: A-10 Magnetic ball

The two balls try to closest each other.

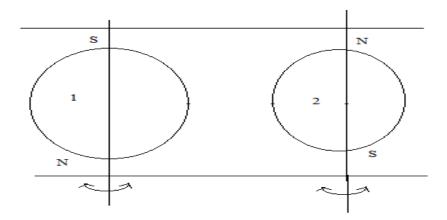


FIG: A-11 attraction

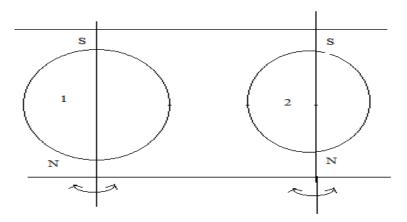


FIG:A-12 Repulsion

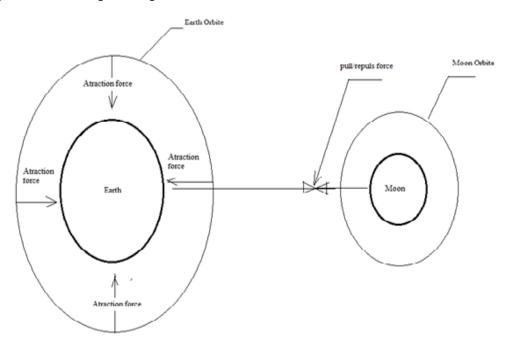
In above fig imagine that what happen in above fig?

In attraction the both are attract to each other in fig, A-11 when change the angle of any ball (axis) with respective another, Shown in fig A-12.



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But in repulsion when change, the angle of axis of ball the reaction on another are occur.



Flg: A-13 Repulsion between earth and moon

According to Newton 3rd low "Ideally every action is opposite & equal reaction." & we know that Attraction VS repulsion.

But, we are prove that any planet of our system have repulsion then where goes to equal & opposite Attraction?

Force is inversely proportional to the distance between it [2].

Mathematically

$$F = G \frac{m_1 m_2}{d^2}$$

When, refutation f is change,

$$F \propto \frac{G}{d^2}$$

Then (G) Gravitational force also changes.

From equation (3)

Refutation force between earth & moon is directly proportional to the gravitational attraction on earth. $F = G \frac{m_1 m_2}{d^2}$

$$F \propto G$$

When the distance between earth & moon is decrease force is increase so the gravitational force on earth it should be increases to in moon side as used as back side.

2) Magnetism and map:

-- Earth is one magnet [17]

We know that , we assume earth have two poles south at lowest side and north at top of earth.

But , like earth moon also have two poles north and south as shown figure A-14.



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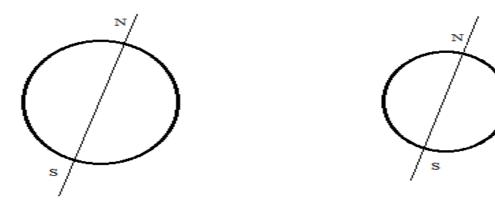


FIG: A-14

According to above statement Earth and Moon repulse each other, but attract material(have magnetic properties) toward it at time.

The magnetic properties it attract the magnetic material .When it will come in it magnetic flux. As shown figure.

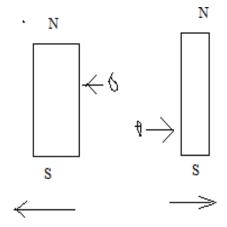


FIG: A-15 (magnet repuls each but attract object which come in magnetic flux)

So earth & moon (all planets) works like figure.

PART 2:- FORCE IN EARTH ORBIT

In the "general theory of relativity", in this paper Albert Einstein state that, due to acceleration space is curve like that due to gravity. i.e., the gravity is increase as toward the center of plants.

- Mass \propto curve space [15] we know that.

Speed = $\frac{distance}{time}$ direction & speed.

- Direction & speed are change the velocity & acceleration are changes [15]
- According to "general theory act relativity". [15]

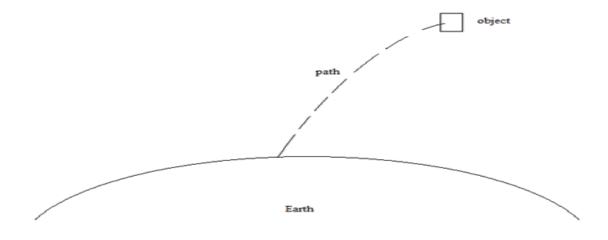
Example:- 1] The objects come toward the earth then, it will in curve path, Shown in fig B-1.

- The object comes toward earth by curve path, but only



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- When the object have some velocity in direction with making some angle with gravitational force.
- When the velocity of object is some direction as gravity then object comes in straight line toward earth.



Flg: B-1

Example:- 2] But – suppose the object comes toward earth in the line of center axis then?

Shown in B-2

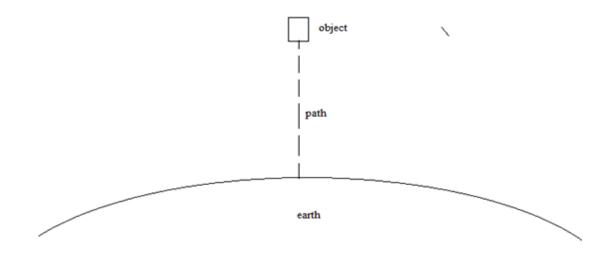


FIG: B-2

Object will in the axis of center of earth with acceleration. i.e., straight.



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No in curve path.

i.e., when any object comes toward earth with making a angle with a gravitational force then the curve path depends on.

1] Velocity of object in angle to gravitational.

2] Direction (i.e., make some angle with gravity force.)

Newton state that "Escape velocity." [16] According to it

Escape velocity occurs of which force for to goes in space to object is called Escape velocity.

Now,

According to Einstein

The objects come towards earth in curve path. [16]

But,

Example:- 1] a) One man goes to some heights & relies itself simple, Shown in fig B-3

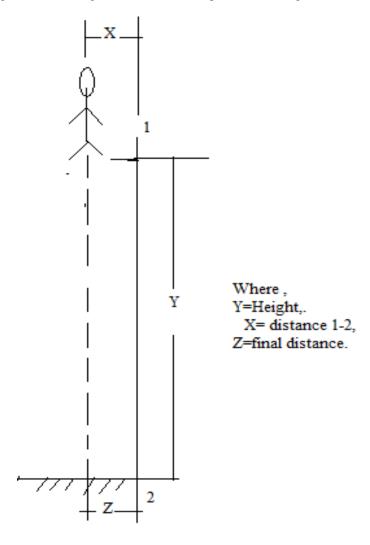


FiG: B-4

^{- 2] &}amp; he goes to same height &jump forward he drop on earth like shown in fig. B-4



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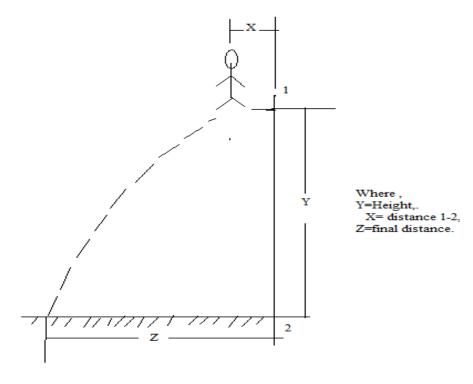
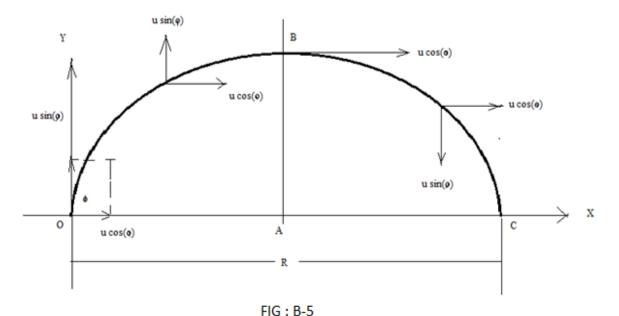


FIG: B-4

* Mathematical proved [16]

An object thrown in the air with initial velocity in any direction, making. Some angle with the horizontal moving freely under the action of gravity is called projectile.

This is only for object which are throw in sky from earth & it will down on earth, Shown in fig B-5.



Consider a partial projected from the point o which is the origin of certain co-ordinate system in x-y plane.



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- For when object down on earth with velocity \overline{U} in a direction making angle θ with horizontal.
- For it assume that.
- Air resistance is negligible for able of
- Acceleration due to gravity is constant
- Effect of rotation of earth on the object projective is negligible.
- Only gravitational force with act vertically down wards.

The velocity of projection U is resolved into two mutually perpendicular components i.e.,

 $UX = U \cos \theta$ (horizontal component) & $UY = U \sin \theta$ (vertical component)

U cos θ remain constant No horizontal component of acceleration 'g'.

ax = o.

The acceleration along vertically upward direction is ay = -9.

The vertical compo of velocity goes on decrease in uniformly till it become zero at high point B. Then, the velocity component of velocity goes on increasing till it becomes U sin θ again when the projectile reaches ground at point C. In fig.

Horizontal distance travelled by projectile in time't' along x-axis.

*
$$U \cos \theta$$
 *

As per second kinematical equation is,

$$S = at + \frac{1}{2} at^2.$$

Substituting s = y, u = u $y = u \sin \theta$,

A = ay = -9 in above equation we gel

Substituting the value of 't' from equation 'a' in equation 'b'.

$$Y = (u \sin \theta) \left(\frac{x}{u \cos \theta}\right) - \frac{1}{2} 9 \left(\frac{x^2}{u^2 \cos^2 \theta}\right)$$

This equation of projectile, as u, & 9 are constant for given projectile.

We can write $\tan \theta = \infty$ &

$$9/2u^2\cos^2\theta = B.$$

Where, $\propto \& B$ are constants.

This is equation of parabola with it axis vertical & vertex upward.

But when, the any object comes toward earth in gravitational force direction. i.e.,

$$\propto = 0$$
 $B = 0/0$.



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$$\theta = 90$$

straight line.

C) Combining both:

this

So.

1) All study all two point. We can say that ,the forces the among planet is repulsion(push) to earth other & on each planet have gravitational attraction(pull).

Any plant in our solar system will destroy .then, Gravitational force of attraction in all planets will decrease as the ratio of the planets force of repulsion was affected between those planet.

2) The center of earth is core is revolve continuously,

They have two probability.

- -It may occur due to, at center the repulsion & gravitational force will maximum unbalance so, it is revolve.
- -It may occur due to at center the resultant force is neutral ,so it is simple liquid but due to spinning of earth it also spin.
- 3) We know that, when two objects /light/force collapse on other.

Then, we know that

Energy loose = {
$$\frac{1}{2}$$
 (mass1)(velocity)}- { $\frac{1}{2}$ (m1+m2+m3+...)(velocity)}

Where.

M1, m2,m3=mass of light/force/object.

$$M1=m2=m3=...$$

Velocity is constant

So energy loose is negative, i.e. energy increase.

i.e. number of force collapse or strike on one force energy is generate

So, all plants repulsion force is gather on sun, so sun generate some constant energy continuously.

When any plant will destroy the energy of sun will decrease in proportion

4) suppose ,Between two planets have change those force i.e. earth is reveres that mean south pole goes to north and vice versa .then among earth and other planet have attraction and as opposite reaction that on earth is repulsion so earth push all animals,things,water and so on away from it. So at center magnetic distortion is occurs at center that mean have two probability Black hole or Big Bang is creates

III. CONCLUSION

A] Between planets:-

- In our solar system the planets (earth & moon) are fusion (push) force applied to each other i.e., No Attraction between or among them.
- Repulse force is directly proportional to gravity.

Distance among plant increase ,the force of repulse is decrease , so gravitational force on plant will be decrease &magnetic power also decrease.



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B] In planets:-

- When object direction is make an angle with gravity then it comes toward earth in curve path.
- When object direction with have same velocity (self i.e. without gravity) have no any angle with gravitational force then it will comes toward straight path.

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