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Interference of Light Photon with the Dark Energy

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Abstract: The photon of light is constant and stable; it does not travel and has no speed. Light does not act as wave or a particle, but it seems so. The photon of light has zero rest mass, which cannot travel or move at the speed of light unless and until it does not have any force behind. Light interacts with the dark energy of the universe. All the empty space and regular matter of the universe is filled with dark energy. It is isotropic and homogeneous. The presence of dark energy is same in empty space and inside the heavenly bodies of the universe. Every inch of space in the universe is equally filled with dark energy, be it inside the stars, planets or in any visible matter of the universe. The dark energy is illuminative, while having interference with light photons. The path of light is already determined in the universe, by the existence of dark energy. The photon of light illuminates the dark energy in the universe and hence makes light possible. Light when interacts with dark energy, it is the illuminating feature of dark energy, that we misunderstood the light travel in the universe. The photon of light is otherwise stationery, which does not travel.

Keywords: Illumination of dark energy, Zero rest mass of light photon, Displacement of dark energy, No concept of light, Dark energy is stationery, No formation of shadow, Non visibility of high density matter.

INTRODUCTION

Photon of Light Interacts and Illuminates Dark Energy

Had there not been the presence of dark energy in the universe the concept of light would not have been there. The universe would have been dark and freeze, the features like a black hole. The photon of light interacts with dark energy and illuminates it, which makes the presence of light possible in the universe. The path of the light is already determined in the universe by presence of dark energy. The whole universe is filled with dark energy like a balloon filled with air. We could gaze into the universe and are able to see the stars, galaxies, planets and other cosmic matter only because the dark energy is present. The illuminating time of dark energy is constant. It is not affected with anything in the universe. It is same as 299,792,458 m/s in a vacuum.

It also de-illuminates with the same speed. For example the light of the sun illuminates dark energy between the sun and the earth in eight minutes, same way if the sun will disappear we would be experiencing the sun light on earth after the disappearance of the sun up till eight minutes, because the dark energy gets de-illuminated with the same speed of time. Time of illumination and de-illumination of dark energy is constant and finite 1,86,000 m/s. It is wrong to say the universe is made of atoms, it is merely 4% stuff visible mater made up of atoms rest is dark energy and dark matter. The dark energy is unseen not visible uninteractive with the visible matter of the universe. The dark energy gets illuminated continuously because the sun and the earth are changing their position constantly in the universe contrary to dark energy which is static and permanent and un-moved energy of the universe. The sun is changing its position and exposing/ illuminating constantly the dark energy with a speed of 16 miles p/s the actual speed of the sun towards the milkeyway galaxy (Fig. 1).

The light does not travel from sun to earth and around. It is the dark energy which gets illuminated constantly towards the direction or the path of the sun in a milkeyway galaxy and de-illuminated from the other side or from the tail end.

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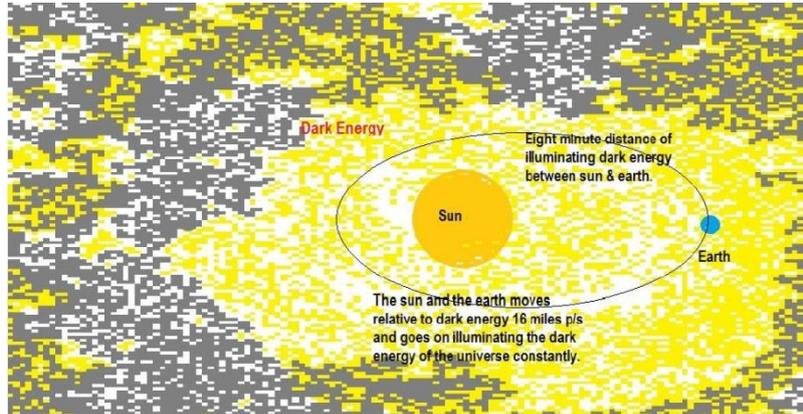


Fig. 1. The sun is changing its position and exposing/ illuminating constantly the dark energy.

The Photon of Light has no Force behind to Speed up the Light Travel

The source of light has no force behind, to push the light travel with this unprecedented speed. The possibility of the light in the universe is the presence of dark energy in the empty space. The other regular matter which includes stars, planets and galaxies etc. are visible because the dark energy is present inside them. Speed of anything is always affected with the corresponding speed. But that principal does not work while dealing with so called the speed of light, because light does not have speed. For example if you put on the beam of light from source point “A” to destination Point “B” and the distance between these points is 1,86,000 miles. This distance of dark energy between A and B gets illuminated in one second, in both of the cases whether they are in move or are in stationary position, because the illumination speed of dark energy is constant (Figs. 2 and 3).

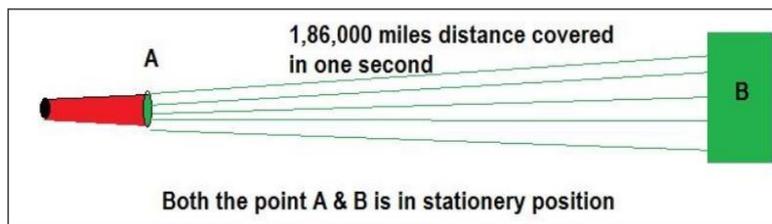


Fig. 2. Beam of light from source point “A” to destination Point “B” in stationary position.

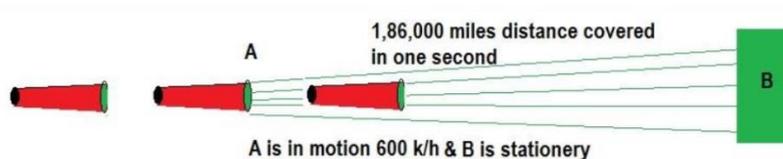


Fig. 3. Beam of light from source point “A” is in motion to destination Point “B” is stationary.

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Besides light, the speed of other things in the universe does not behave constant. If you throw a ball between A and B, and if both the points are stationary the speed would differ when the object A is moving towards B. In this case the speed will increase although the throwing speed of ball is constant because the speed of A and plus the speed of ball is to be added. We could see the distance of the ball covered will be additional between B and C. This change could be only seen when A is in motion and that affects the speed of the ball as if the ball is being thrown with the same force (Fig. 4).

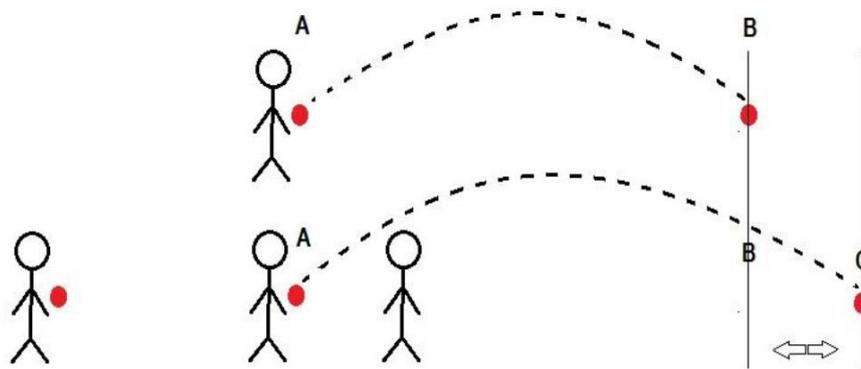


Fig. 4. Additional distance covered by B and C while A is in motion.

But in all circumstances the illuminating speed of the dark energy with regard to light will remain the same and constant (Fig. 5).

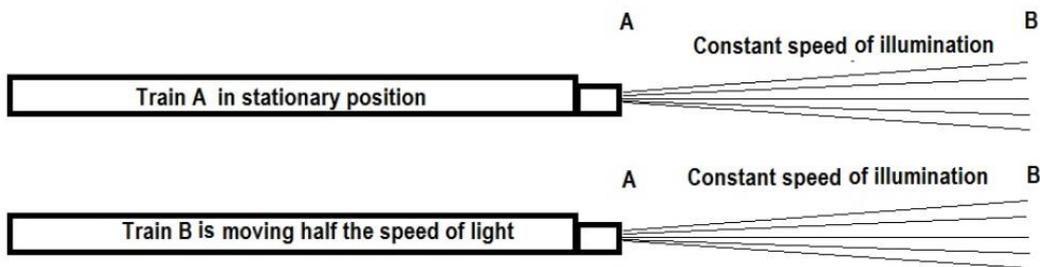


Fig. 5. Illuminating speed of the dark energy with regard to light.

Suppose a train is moving @ half the speed of light and the light is being switched on from its head lamp still the speed of light will be constant, because the speed of train does not affect the illuminating speed of dark energy with regard to light. On the other hand if anything is fired from this train its speed varies whether the train is in stationary position or in running with the constant or accelerating speed. Speed always affects the speed of other matter when they are moving relative to each other. Light does not behave with the rest of the matter. This is because the light does not travel.

If the light would have been travelling, there would not have been the constant speed of light in the universe. In a 80 km/h moving train, the ball is thrown forward with a speed of 50 km/h the observer outside the train will observe the speed of ball 50 km + the speed of train 80 km that will be 130 km/h the speed of ball. But while dealing with the light the speed will remain constant without change. If the beam of light is put on with the moving train of 80 km/h the illuminating speed of dark energy will remain constant. The speed of the train will not affect the illuminating speed of the dark energy. The observer outside the train will observe the speed of light constant in both of the cases.

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Dark Matter and Dark Energy

Dark Matter and Dark Energy are two different things. The dark matter is like other matter of the universe. It is dark because it is not visible due to its high density. It is not visible because the light bends while interacting with the high density matter. It leaves the matter unattended. When the light leaves it unattended we are not been able to see this high density matter in the universe. There is no concept of light near high density matter in the universe, because the dark energy creates hallow vacuum. The hallow vacuum is created around Dark matter as it does not contain dark energy because of its high density the dark energy could not pass throw it and leaves the matter unattended.

This causes the hallow vacuum of empty space without dark energy in the universe. The light behaves in the same way because that part of the universe could not get illuminated with the light. We could not been able to see the high density matter, even the shadow of high density matter is not formed which does not contain dark energy irrespective of its big mass and size. Dark energy on the other hand is the energy not the matter which passes through every regular matter of the universe freely. It is hard to detect because its presence is same and equal everywhere inside the matter and in the empty space of the universe. Every time we are being exposed to dark energy. Every time millions and trillions of dark energy particles are passing through our bodies and all the matter of the earth and in the heavenly bodies of the universe, because all the regular and visible matter in the universe is in constant motion contrary to dark energy. The dark energy is stable and static in the universe.

Interference of Light and Dark Energy

Every visible matter inside the universe is in constant motion while as the dark energy is static and having zero mass, permanent and non-moving energy in the universe contrary to all the visible matter planets, stars and galaxies. The dark energy is non-interactive with any matter. Dark energy is unique mass less and non-visible energy. Dark energy is non-interactive because of its zero mass. It passes through freely in empty space as well as in any visible matter in the universe. Dark energy is not displaced by any visible matter of the universe. Its presence is isotropic inside the visible matter and in the empty space of the universe. Dark Energy is found almost everywhere in the universe, so is the light possible wherever there is dark energy. Without dark energy we cannot think of light and heat. There are dark energy free zones in the universe. These dark energy free zones of the universe makes the light impossible, there is no concept of light in these zones. Example; Black holes, Dark Matter, Curvature or distortion caused in dark matter. We could see only because of presence of dark energy. Otherwise there would not have been the concept of light in the universe. Light does not travel or have no speed. Light is not something which moves from point "A" to point "B" it does not travel.

The resource of light is everywhere in the universe that is dark energy. It is found everywhere in the universe it is isotropic and is found same inside and outside the matter. The illumination of dark energy is constant in every medium. Otherwise the speed would vary in different mediums. Light is static constant and just. Light have no speed. The presence of light in the universe would be everywhere except the area where dark energy is not present rest the dark energy is found everywhere alike in the universe both inside the matter and in empty space. The photons of light actually illuminates the dark energy, which is static isotropic in the universe. (TIME and Dark Matter)*, the black hole from the circle of event horizon up to the point of singularity and the distorted space and time/ dark matter of the universe does not interact with light. These areas of the universe are dark and black. Where light is not possible even if the resource of light is with you. Light will not illuminate unless it does not interact with the dark energy. Dark energy is static in the universe and all the other objects in the universe are in constant motion contrary to dark energy. The constant speed of expanding universe along with the speed of galaxy, solar system and our earth are moving contrary to dark energy Light does not move it is static and non-moving thing in the universe.

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Inertial Frame of Reference doesn't Work with Dark Energy

Inertial frame of reference doesn't work with interference to the dark energy. Because dark energy is stable and fixed in one place in the whole universe. Everything else is moving contrary to dark energy. The visible matter which includes stars, planets and galaxies is just 4% of the universe. The dark energy in the universe is not 96% but 100%, because if we take out the visible matter out of universe it doesn't change the percentage of the dark energy in the universe. Same way if we include more visible matter inside the universe, it still doesn't change its percentage of the dark energy in the universe, because existence of dark energy is not affected with any matter in the universe. Its presence is non-interactive with the visible matter of the universe. Dark energy is isotropic in empty space or in any matter of the universe. Dark energy is stable in the universe. All the other things which are visible move contrary to dark energy in the universe. It is not affected with anything that is why it is stable.

Light works in inertial frame of reference because the source and the destination move relative to each other with the inertial frame of reference. But the dark energy does not. Between the source and destination of the light the dark energy is being illuminating continuously as we move contrary to dark energy. Its illuminating and de-illuminating speed remains the same. That is why it seems the light behaves like wave as well as particle. The behaviour of dark energy is opposite to rest other matter in the universe while dealing it in inertial frame of reference. Since the dark energy is not interacted with any matter, so it does not seem to affect physically anything in the universe. Dark energy helps to maintain the expansion of the universe. It maintains the tremendous amount of pressure upon it from expanding universe. The whole universe is like a balloon filled with the dark energy. The whole pressure of the universe is on the dark energy if that pressure of the universe would have been upon the visible matter of the universe eg: stars, planets etc. These would not bare the enormous pressure of the universe and will be collapsed immediately. This enormous pressure of the expanding universe upon the visible matter would squeezed and shrink them to highest degree of density like that of neutron star which have high density, The density which is greater than the penetration power of dark energy. The earth will be reduced to the size of sugar cube. Due to that high density the neutron stars warps space time and enter into (TIME and Dark Matter)* zone of the universe where dark energy is not present and forms black hole in the universe.

Dark energy penetrates easily into any matter of the universe, but it does not enter into neutron star which is having high density that it forms black hole which is free from dark energy. The neutron star when formed go deep into the space and time fabric or Inside the (TIME and dark matter)* where no dark energy is present. The concept of light is not there.

Gravitational Lancing

Gravitational lancing is caused by the objects which are having super density that stops the dark energy to enter into. This distorts and displaces dark energy or cause the bend of cavity in the dark energy (Fig. 6). That cavity or hallow space within dark energy forces light to behave like that and caused gravitational lancing. The gravitational lancing is causing by warping up of space time or TIME and Dark matter (Fig. 7). Gravitational lancing is caused by dense objects in the universe which does not allow the dark energy to move freely [3]. These dense objects displace dark energy like any hard visible matter displaces air while moving with the speed. The high density objects which displaces the dark energy and caused the curvature of space time or its distortion of (TIME and Dark Matter)* causes gravitational lancing [4].

The dark energy is displaced and causes bend in its existence by these dense objects. This also caused the light to behave like that, because the path of the light is pre-determined by the existence of dark energy. We cannot have the shadow of highly dense objects which displaces dark energy in the universe, because light does not touch their presence the light bend and leaves them unattended because there is no presence of dark energy inside these dense objects. The shadow is caused when the dark energy is not illuminated in a certain portion of space around the illuminated dark

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energy. The shadow is formed depend upon the degree of opaqueness of the object. The matter which does not contain dark energy due to its high density is unable to see in the universe, even if it is massive.

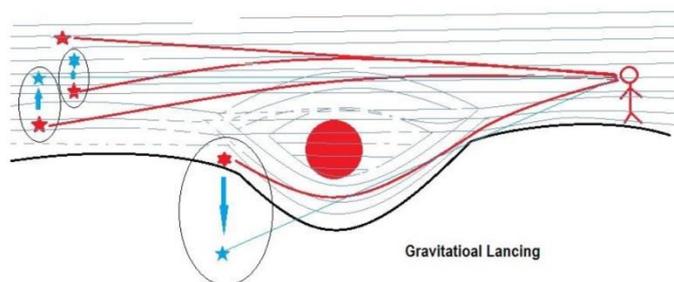


Fig. 6. Gravitational lancing.

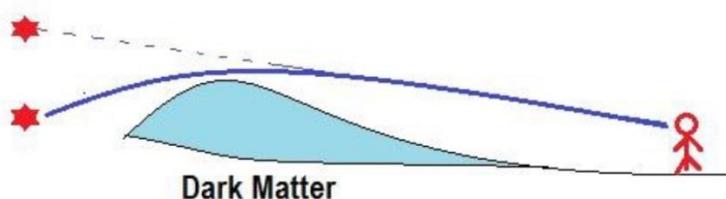


Fig. 7. Dark matter.

One cannot see the high density object in the universe which does not contain dark energy even if they are massive and giant because the dark energy does not present in the high density areas. When the dark energy is not present, the concept of light and perception of dense object is not possible.

Black Holes and Emission of Radiation*

Black holes are indispensable part of our universe. These black holes help the universe to expand and also bound the stars into one galaxy. These black holes also make possible the other universe to borne. So one can say black holes are essential for multiverse. The existence of multiverse is proved by the existence of black holes [1,2]. With regard to light, the black holes does not have concept of light, because black holes does not contain dark energy. These back holes are free from dark energy. Everything which goes inside the black hole, the dark energy is left out from that star or planet soon it crosses the event horizon. Beyond event horizon the speed of getting into the black hole is much fast than the so called speed of light. Because one can observe the jets of radiation comes out from the black holes.

These jets of radiation is nothing but the dark energy which comes out from the stars and planets and other cosmic matter which goes inside the black holes with enormous speed. There is always a commotion of dark energy near black hole, because from event horizon up to the point of singularity there is empty space. Which contain nothing free from anything absolutely empty space. This empty space of the black hole sucks everything from the universe. It is this emptiness and the density which attracts and holds each galaxy together, because the black holes are no dark energy zones in the universe. The dark energy is stable and static in the universe. When anything is about to cross the event horizon of the black holes the speed of going inside the things into black holes is greater than the illuminating speed of dark energy. This unprecedented speed tears a part the giant stars and planets into a stretched rope like thing whose one end is inside the black hole and other end is outside the event horizon. This enormous speed creates commotion in the dark energy near the event horizon of the black holes. This has been observed as radiation come out from the black



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holes. This is also talked about by steaven hockins. It is nothing but the dark energy being taken apart from the event horizon of the black holes.

One cannot see the high density matter which does not contain dark energy and it cannot have shadow. The light bends and leaves the matter unattended and it goes unseen no visible matter. 96% matter in the universe is unseen, because that matter is dense, much dense that the dark energy could not enter into. So light does not touch and caused bend and leaves that 96% matter unattended. That matter is unseen and non-visible matter of the universe. The TIME and dark matter is around our universe this is high dense matter which is not visible because light is not being illuminated as the dark energy ends there.

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