

Re: "How Does Light "Know" How Fast to Travel?"

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- *From:* "guskz@xxxxxxxxxxx" <guskz@xxxxxxxxxxx>
 - *Date:* 11 Mar 2006 08:26:35 -0800
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Hexenmeister wrote:

<guskz@xxxxxxxxxxx> wrote in message
news:1142080928.056274.322800@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

Hexenmeister wrote:

<guskz@xxxxxxxxxxx> wrote in message
news:1141668263.475074.323630@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

Because it's forced to obey Maxwell
equation and therefore the
permeability (travelability) of the space
medium.

What medium?

That point is 100% clear to me and only because of that certainty my
reply would be that you would not reply to me with this question
(hoping you dont become defensive) if you researched the full meaning
of permeability and permeability.

Perhaps you mean permeability and permittivity.

You are sharp indeed!

If I drop a cannonball in the ocean it doesn't fall as fast to the
ocean floor as it would if I dropped it a similar height in air.
We call the water and air "media" and it is this medium that controls
the descent to the ocean floor.

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Yah but i think you ment vice-versa

media carries the info (photons carry info)

the medium is the air and water and the cannonball is the media

If the water or air wasn't there, the iron weight wouldn't fall at all, it would sit there, floating in space because it doesn't have any air or water to fall in.

you wouldn't have any dimensions to localize the cannonball's location if you wish to get technical about it.

The basic meaning of permeability and permittivity means travel restriction otherwise both of these values would be ZERO and the speed of light would be infinite. $c^2 = 1/(\text{permeability} * \text{permittivity})$

What makes you think that because you can measure the acceleration of falling cannonballs in air that cannonballs are a wave in air (sound)?

firstly the cannonball has mass where as photons do not, thus in this instance the cannonball would be a conglomeration of inter..active photons.

secondly the cannonball does not generater the waves the waves are the pertuburations from the displaced air medium (versus the air's ability to dampen all waves....aftershock).

You'll be telling me next that cannonballs cannot exceed the speed of sound, the frequency becomes infinite.

I'll let you and the reader do the math.

Let's just saying using Maxwell's equation the velocity of c in water would be related to that similar in space which is:

$$c^2 = 1/(\text{permeability of the water} * \text{permittivity of the water})$$

$$\text{for space: } c^2 = 1 / (\text{permeability of space} * \text{permittivity of space})$$

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As well as the direct linear interpolation that the higher the density (and/or porosity, opacity, etc...) of the medium then the higher the permeability and permittivity of the medium.

Because it's not zero

Whoa! What isn't zero?

therefore there is an invisible medium,

Therefore cannonballs don't fall.

all
medium have a permeability and permittivity (sometimes known as viscosity).

Yeah, ok, all media slows down cannonballs.

For there not to be a medium both permeability and permittivity would = zero.

Sure, and the speed of cannonballs would be INDEPENDENT of the non-existent media.

Of all mediums, space has the lowest permittivity and permeability.

Yep. ZERO.

In
fact

Whenever I see a sentence beginning with "In fact" I know some

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bullshit is about to follow.

the speed of light varies with the density (density almost similar in characteristic with viscosity, permittivity, permeability, porosity) of the medium it travels through.

In fact I was right, some bullshit did follow. Michelson proved what you've just said is bullshit.

Because of Maxwells equation we are FORCE to prove there is no medium and thus no Eather.

So at last we come to the answer to my question, "What medium?"

Eather... I call that aether, it is as aetherial as ectoplasm. Maybe you confuse 'seance' with 'science' as well.

Logically if space was truly empty the travelability would be infinite (thus c would be infinite).

Logically it is. Why depart from logic?

Therefore

No, no, no.
Logically, space IS truly empty and the "travelability" (whatever that is) of a bullet or a spacecraft or a photon is undefined.

If it truly was empty, the velocity of light would have no restriction

It would have no restriction, I don't know what "restriction" means.

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and therefore would be infinite,

No, no... We are discussing "Logically".

Having no speed restriction does not mean speed is infinite or cars on the Bonneville salt flats or in the Sahara Desert would have infinite speed.

There is no "therefore" between "unrestricted" and the "speed must be infinite".

I'll leave it there, you said "logically" and then departed from logic.

<http://www.androcles01.pwp.blueyonder.co.uk/Smart/Smart.htm>

Androcles.

as well the rate of time would be

infinite (or non existant...or perhaps static). Example(for time): How long did it take you to perform the task, well since the speed was infinite therefore I did it in zero time.

Permittivity and permeability(the umbrellla is Impermeable to rain) = porosity of the medium = semi- conductivity of the universe therefore suggesting not only computers are binaric (1 and 0, light and darkness) but the universe and it's birth as well through forces known as conductivity and insulation (together form a semi-conductivity also known as a semi-travelability which Maxwell calls permittivity and permeability).

A better visual would be the capability (permission = permittivity) of a BEAM of heat(light/photons) to travel through insulation. The linear resistance to it's travel is known as it permittivity and the perpendicular resistance determines the THICKNESS of the heat beam, which is determined by what is known as the permeability of the insulation. (Anything but 100% or 0% insulation is known as a semi-conductor).

The secrets of Magneteria, same as insulation(or space) above water is also a medium and a boat or air bubble (metamorphore of a photon) travelling through this water medium (metamorphore of the Eather) forms waves both in the direction of the boat (or air bubble) = permittivity and a different strength wave perpendicular to this travel direction = permeability and Magneteria.

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Therefore when two different entities (mass) traveling through the water (eather) medium generates two separate waves (metamorphose of a photon) in the water (eather) and the synch/phase relationship between the two sets of waves generates attraction and repulsion depending if the waves cancel-out or become much more intensive.

There are no "therefores" to "would bes" (logically).
Androcles.

because space behaves like anyother medium such as water it

may force the universe to adhere to an
absolute space as reference
frame...but then why is there time dilation.

As well permeability is a charecteristic
attributable to the power
supply of a medium known as the
capacitor/battery thus for space, it's
permeability (and thus the speed of light)
may be attributable to it's
singularity (location of the Big Bang) as well
as the total energy
produced by the Big Bang, likewise in a
capictor circuit, the rate of
time is determine by the permeability of the
capacitor (singularity)
and the energy of the circuit(energy
produced by the Big Bang and when
Bill Hubba farted (the latter added to see if
he's reading
this.....kaboom).