

# Re: Why Is the Speed of Light Exactly C and Not Some Other Value?

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- *From:* "Dr \*\*\*" <paulpsremove@xxxxxxxxxxx>
  - *Date:* Wed, 27 Apr 2005 14:29:21 +0100
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Traveler wrote:

Why is the speed of light exactly c and not some other value?

Bilge wrote:

Why is  $\pi$  exactly  $\pi$  and not some other value?

Two very good questions from two who appear to be trolls :-)

So I'm going to make perhaps a feeble attempt at a first approximation and if it doesn't get to boringly abusive we might just get at least a bit nearer an answer.

$\pi$  seems to boil down to a ratio of curve to straight but if at a microfine level all was straight then  $\pi$  would be 3 so how has  $\pi$  got to 3.14 etc. If you build a matrix of tetrahedrons build out of charge pairs that vibrate about there centers so each edge/face was in a transient state of curve that conformes to  $\pi = 3.14$  etc the thing defining  $\pi$  becomes the amplitude of the vibrating shape and also the propagation rate of the current state of the cosmos.

Just some thoughts.:-)

Second thought:-)

If the potential for velocity was infinite then what would restrict anything to a lower speed. It must be a characteristic of the medium the event is travelling in and the relationship of the event to the medium. In the case of particles if you assume that they are constructs of the medium then it would appear that there involvement/effect on the medium is more significant than a travelling electric field so to propagate a field a less significant effort is needed so as somebody has already said the permittivity of free space  $\epsilon_0$  defines c but what defines  $\epsilon_0$ . It might be possible to explain it as the state of the part of unity in which our cosmos currently existes, see  $\pi$ .

Best I can do on that one at the moment.:-)

Dr \*\*\*

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