

Re: Time is absolut

Source: <http://sci.tech--archive.net/Archive/sci.physics.relativity/2005-08/msg00644.html>

- *From:* The Ghost In The Machine <ewill@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Sun, 07 Aug 2005 04:00:09 GMT
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In sci.physics.relativity, sue jahn
<susysewnshow@xxxxxxxxxxxxx>
wrote
on Sat, 6 Aug 2005 15:42:39 -0400
<[42f516d3\\$0\\$18645\\$14726298@xxxxxxxxxxxxxxxxxxxx](mailto:42f516d3$0$18645$14726298@xxxxxxxxxxxxxxxxxxxx)>:
>
> "The Ghost In The Machine" <ewill@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
> news:dobfs2-bt7.ln1@xxxxxxxxxxxxxxxxxxxxxxxxxxxx
>> In sci.physics.relativity, kenseto
>> <kenseto@xxxxxxxxxxxx>
>> wrote
>> on Sat, 06 Aug 2005 15:23:44 GMT
>> <[4C4Je.49791\\$zY4.3756@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:4C4Je.49791$zY4.3756@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)>:
>> >
>> > "TomGee" <lvlus@xxxxxxxxxxxx> wrote in message
>> > news:1123283008.666989.66450@xxxxxxxxxxxxxxxxxxxxxxxxxxxx
>> >> HH, not according to the SR resolution to the Twin Paradox where speed
>> >> makes all the difference in the world as to the rate of the passage of
>> >> time for each twin..
>> >>
>> >>
>> >> That's because SRians define time as what the clock measures.
>> >> There is no twin paradox when absolute time is used to define
>> >> time. In that case a clock second will contain a different
>> >> amount of absolute time in different frames.
>> >>
>> >>
>> Correct! Of course...whose clock would be used for the
>> absolute time def?
>>
>> Unless you believe in free lunches try one that satisfies
> K = 1/2 mv²
> <http://scienceworld.wolfram.com/physics/Energy.html>

$$K = m c^2 - m_0 c^2 = 1/2 m_0 v^2 + 3/8 m_0 v^4/c^2 + 5/16 m_0 v^6/c^4 + \dots$$

There's also an odd error in the derivation of (11) from (10).
Since $m = 0$, the values $p^2/2m$ and $\hbar^2 k^2/2m$ have no meaning.

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In fact as written the equation makes the odd claim that

$$p^2/2m = pc$$

$$\text{or } p = 2mc = E/c.$$

This is not quite consistent.

One might claim is that m_0 of a photon is zero
(since photons are never at rest); since