

Re: MMX and Zeno

Source: <http://sci.tech--archive.net/Archive/sci.physics.relativity/2005-05/msg00429.html>

- *From:* riedt1@xxxxxxxxxxxx
 - *Date:* 6 May 2005 19:55:45 -0700
-

N:dlzc D:aol T:com (dlzc) wrote:

> Dear riedt1:

>

> <riedt1@xxxxxxxxxxxx> wrote in message

> news:1115260480.086176.321060@xx

>>

>> N:dlzc D:aol T:com (dlzc) wrote:

> ...

>>> I believe Zeno thought about the

>>> problem of objects moving in the same

>>> direction with differing speeds.

>>>

>>> No need to "think"... *know*

>>> URL:<http://www.mathpages.com/rr/s3-07/3-07.htm>

>>> <QUOTE>

>>> The Achilles: The slower will never be overtaken

>>> by the quicker, for that which is pursuing must

>>> first reach the point from which that which is

>>> fleeing started, so that the slower must always

>>> be some distance ahead.

>>> <END QUOTE>

>>> Note how, though it talks about differing speeds,

>>> it doesn't describe the fact that interference is

>>> seen.

> ...

>>> Not likely. No one at that time expected c to

>>> be finite, to the best of my knowledge. Which

>>> would leave $c+v = c-v = c$, as you well know.

>>

>> Zeno did know that any faster speed will

>> overtake any slower speed despite your quote

>> above.

>

> Infinite, plus or minus a smidgen is still infinite. Nothing

> overtakes anything else for Zeno, or your "common sense".

>

>> My example of c and v applies to light and

>> the velocity of the earth which of course

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- >> were not known to him but if we use a
- >> (speed of arrow) and t (speed of target)
- >> instead, the same relationships ($a+t$ and
- >> $a-t$) applies. It is no different from the logic
- >> of $c+v$ and $c-v$. Addition and subtraction
- >> of velocities is universal and has the same
- >> logic in respect of light and all moving objects.
- >
- > I disagree. Experimentally, it is quite clear that either $c+v =$
- > $c = c-v$ where light is involved, or our instrumentation is
- > distorted by Lorentz' aether to achieve t