

Re: Paradox of Zeno.

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- *From:* penguinista <cal@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
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Len Gaasenbeek wrote:

To Llap,

I fully agree with you that the Paradox of Zeno is based on the same kind of double-think that relativistic particle physicists use to make their point(s).

<snip garbage>

Zeno's paradox is easily solved by application of basic calculus principles. While you may divide a path, and the time to traverse that path, into an arbitrarily large number of segments, the sum of those segments remains the same finite total.

Similarly, relativity theory is riddled with apparent paradoxes if you are unable to grasp simple base principles.

Principle of relativity: Physical laws are the same in all inertial reference frames.

Measurements in all these frames are equally valid, but are meaningful only in relation to the frame they were made for. Adding/comparing measurements from different frames is meaningful only by converting measurements to a common frame, and then meaningful for that frame. Most failures to comprehend relativity theory appear to derive from failure to understand this.

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