Re: Lorentz transformations − a derivation

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From: jem (*xxx_at_xxx.xxx*)
Date: 01/09/05

Date: Sun, 09 Jan 2005 09:26:58 −0500

Bilge wrote:

> jem:
> >Bilge wrote:
> >> jem:
> >>
> >> >Remember this proposed definition? An inertial reference frame is a
> >> >reference frame in which all stationary standard clocks tick at the same
> >> >rate.
> >>
> >> Yes, I remember it. It's still circular and doesn't explain what
> >> ``ticks at the same rate'' means.
> >
> >"Ticks at the same rate" means the number of ticks recorded on each
> >clock is equal over every time interval. The comparison between any 2
> >clocks is accomplished by sending signals from one to the other and
> >comparing the rate of the received signal with the tick rate of the
> >clock at the reception point. This comparison can be done without
> >synchronizing the clocks (although synchronizing them at the onset would
> >make an actual comparison easier).
> >
> >Where do you see circularity?
>
> See the posts from the last time you made that suggestion.
>

Perhaps it's you who should see the old posts. No circularity was
demonstrated there.