Re: Twin paradox revisited ll

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- *From*: "Martin Hogbin" <goatREMOVETHIS123@xxxxxxxxxx>

- *Date*: Thu, 19 Jul 2007 09:42:33 +0100

"bill" <cosmosco@xxxxxxxxxxxxxxx> wrote in message
news:1184810766.298641.95760@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

> On Jul 18, 2:57 am, stevendaryl3...@xxxxxxxxx (Daryl McCullough)
> wrote:
>
> > cosmo...@xxxxxxxxxxxxxxx says...
> >
> > > So I take it that nobody openly supports the idea that the
> > > earth bound
> > > twin physically ages at a faster rate than the traveler and that
> > > this
> > > only occurs during acceleration following turn around?
>
> Can we stick to the topic as to whether or not the stay at home
> physically ages at the faster rate during turn around rather than
> introduce mind games? Keep things as simple as possible.
>
> > A similar thing happens in the twin paradox. While
> > the two twins are traveling inertially at constant
> > velocity, each twin can consider himself to be "at rest"
>
> Although the traveler considers himself to be 'at rest' he has
> experienced the force of acceleration as he blasted away from the
> planet and now sees the universe rushing past him so it is a purely
> solipsist, philosophical attitude on his behalf for him to consider
> himself to *be* at rest.
>
> > When
> > the two twins get back together, one twin will have
> > aged more than the other. In Special Relativity,
> > the twin that took the inertial (constant velocity)
> > path ages the most.

> So you apparently agree with the decade old posting that the stay at home twin physically ages at the faster rate ('ages the most') rather than it is the traveler who ages at the slower rate.

Could you explain what the difference is between those two scenarios? How could we tell?

What we can tell is that, when the two twins meet up, the travelling twin has aged less than the earthbound twin.

One could argue that inertial clocks run as quickly as possible and that the best way of describing what has happened is to say that the non−inertial (travelling) twin's clock has been slowed down.

−−
Martin Hogbin

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