

Re: What happened between Newton and Einstein?

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- *From:* "Paul B. Andersen" <paul.b.andersen@xxxxxxxxxxxxxxxxxxxx>
 - *Date:* Thu, 01 Mar 2007 23:11:08 +0100
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kk wrote:

On Mar 1, 10:19 am, "PD" <TheDraperFam...@xxxxxxxxxx> wrote:

I'm sorry, I don't see how absolute motion is the **only** possible cause of the age differences between twins and triplets.

In the case of the twins, A and B, A and B **both agree** that A takes a straighter path through spacetime than B. However, this in no way implies anything about absolute motion.

You don't see it because using twins obscures the truth. You must use triplets to clearly see what is happening.

Unlike the twin case, the triplet case contains no turnarounds and no accelerations.

This leaves only motion through space (aka absolute motion) as the physical cause of the triplets' age differences.

[kk wrote:]

Re your second claim, I reply that since Einstein's 2nd postulate is purely a mere definition (of clock synchronization), it cannot pertain to anything in nature.

I completely disagree. The second postulate is an explicit statement about what will be the result o