

Re: Circular motion in SR

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- *From:* Dono <sa_ge@xxxxxxxxxxxx>
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On Mar 15, 7:25 pm, "Pmb" <some...@xxxxxxxxxxxx> wrote:

More details are included. You'll also notice that there is no difference between the nonrelativistic derivation and the relativistic one!! :)

Of course there isn't, this is what I told you all along: if you insist on having $E=0$ you factor out γ so you get the Newtonian solution. This is why I told you that the solution that you keep pushing is irrelevant.

Now, try $E \neq 0$. If you are able to solve the problem, you will find out that the relativistic solution is indeed different from the Newtonian solution. For that, you will need to understand that $d(\gamma)/dt$ is NOT 0.

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