

Re: The velocity of light going pass a moving train.

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Source: <http://sci.tech--archive.net/Archive/sci.physics.relativity/2007-06/msg02591.html>

- *From:* bz <bz+spr@xxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Thu, 21 Jun 2007 10:38:38 +0000 (UTC)
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Dono <sa_ge@xxxxxxxxxxx> wrote in
<news:1182407514.613624.153180@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>:

On Jun 20, 10:23 pm, "Jeckyl" <n...@xxxxxxxxxxx> wrote:

"Dono" <s...@xxxxxxxxxxx> wrote in message

<news:1182389638.183654.71460@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>

On Jun 20, 6:31 pm, "papar...@xxxxxxxxxxx"
<papar...@xxxxxxxxxxx> wrote:
Forget it. What do you get when you substitute
 $\cos(\theta_{\text{train}})=0$
into the relativistic aberration formula?

You get the correct answer as long as you get the sign correct for
velocity and know which angle you are talking about. You really need
to make sure you apply the formulas correctly.

Yes, stubborn cretin. Tell this to the guy that came up with the
formula:

<http://www.fourmilab.ch/etexts/einstein/specrel/www/>

Do you understand that in the train iFoR, the vertical beam in the light
clock hits both mirrors 'dead' center, all the time, because the mirrors
are aligned in the trains iFoR to be parallel?

If you see that, then you should realize that a basketball player, riding
on the train, sitting in his seat, dribbling the ball in the isle, would
have the ball moving vertically in the trains iFoR.

If you agree with those, then you should realize that from ANY iFoR, the

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light must continue to be seen to hit the mirror in the center and the ball to hit the floor and the basketball players hand dead center.

Since the mirrors and the hand are traveling left to right, the light and the ball must travel left to right and follow the path that Jeckle keeps discribing to you.

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bz

please pardon my infinite ignorance, the set-of-things-I-do-not-know is an infinite set.

bz+spr@xxxxxxxxxxxxxxxxxxxxx remove ch100-5 to avoid spam trap

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