

## Re: Light Speed Test versus Special Relativity

**Source:** <http://sci.tech-archive.net/Archive/sci.astro/2005-03/3028.html>

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**From:** Stan Byers (*sbyers11\_at\_comcast.net*)

**Date:** 03/23/05

Date: Wed, 23 Mar 2005 10:31:10 -0800

Hello Owen and Group,

Thanks for the message. Your question highlights the important part that SR does not notice.

It is impossible to have the same relative speed with light when you are moving in the same direction,... as you have when you are at rest in relation to the source. If you are parked beside the road and a train is passing parallel going west at 100 miles per hour(mph),...and then you start driving west at twenty mph, SR says that the train will still be passing you at 100 mph.

Now you and I both know that you could not teach such a concept to grade school children.

Think of the Io eclipse events as an audible clock ticking. When the Earth has no relative speed in relation to Jupiter there is an "at rest rate".

When the Earth retreats from Jupiter the Doppler effect reduces the rate. SR says the relative speed of sound remains the same after you start retreating. Now if the speed of sound stayed the same,... the moving Earth would hear the "at rest rate" while it was retreating. That is exactly why SR is impossible. If SR were true there would be no 1003 sec delay as observed by Roemer. As long as the 1003 sec delay exists since 1676 AD,...SR is impossible.

If two things have different speeds in the same direction relative to Jupiter it is impossible for the relative speed to be equal to the fastest speed. This same statement is true for rotation on a common axis.

"OG" <owen@gwynnefamily.org.uk> wrote in message  
news:3abv7mF6ae48oU1@individual.net...

>

> "Stan Byers" <sbyers11@comcast.net> wrote in message

> news:DYKdnVNi2Jg7zqHfRVn-3A@comcast.com...

>>

>> *Gentlemen of physical science.*

>>

>> *This notice is posted with a request for reviews. All comments,*

> *corrections*

>> *and alternate views are welcome. Reviews may be posted on this group*

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> or  
>> *emailed. Reviews will not be posted on the web site or news groups*  
> without  
>> *the reviewing author's prior permission. The links for the graphs are*  
>> *listed below and the graphs are currently available on the website.*  
>>  
>> *Io's period change graphs via Excel spreadsheet.*  
>>  
>> *Earth retreating from Jupiter*  
>> <http://home.netcom.com/~sbyers11/IoAppro.gif>  
>>  
>> *Earth approaching Jupiter*  
>> <http://home.netcom.com/~sbyers11/IoEcipChange4.gif>  
>>  
>> *This entire article is available on the website. Newsgroup readers may*  
>> *review the*  
>> *complete article at the link*  
>>  
>> [http://home.netcom.com/~sbyers11/litespd\\_vs\\_sr.htm](http://home.netcom.com/~sbyers11/litespd_vs_sr.htm)  
>>  
>> *Shortly after the reviews have been received this content will be*  
>> *incorporated with the other pages on the site.*  
>> *Citations or links to arguments correcting or refuting this*  
>> *interpretation of Roemer's data will be appreciated.*  
>> *A link or quote of rational arguments will be added to the web page.*  
>  
> *Your site includes the following key paragraph*  
> QUOTE  
> *If the speed of the train of light and events from Jupiter was not*  
> *reduced in relation to the retreating Earth, succeeding observations of*  
> *eclipse events would remain in synchronism with the observations of the*  
> *near point. How could a station 2.6549 million miles further from*  
> *Jupiter observe an eclipse event at the same time that it is observed at*  
> *the near point*  
> END QUOTE  
>  
> *That is a pretty big IF. . .*  
> *Please explain precisely WHY successive observations would remain in*  
> *synch if speed of light was not reduced.*  
> *They would move out of synch simply because of the increased distance.*

Yes, that is exactly right. and the Earth's distance per unit time is producing the distance.

Therefore the relative speed has changed. Just like the train,...  $C-v$ .

SR says the speed of light stays the same after you start retreating.

If the speed stays the same the light's frequency stays the same.

If the frequency stays the same the period between wave crests stay the same.

If the period for the light wave stays the same the period for the events carried by the light stay the same.

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If the period of events (eclipse) stay the same, there will be no 1003 second delay.

>

> *It is, of course, no coincidence that the change in eclipse period is  
> proportional to the relative speed of the Earth and Jupiter, since the  
> relative speed times 152,916seconds gives the increase in distance.*

>

>

Cheers, Stan Byers

[http://home.netcom.com/~sbyers11/litespd\\_vs\\_sr.htm](http://home.netcom.com/~sbyers11/litespd_vs_sr.htm)