

## Re: Testing the oneway lightspeed constancy

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- *From:* dlzc <dlzc1@xxxxxxx>
  - *Date:* Wed, 19 Mar 2008 13:12:14 -0700 (PDT)
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Dear xray4abc:

On Mar 19, 9:47 am, xray4abc <lemhen...@xxxxxxx> wrote:

Hi

My first post in this group!

I am interested if the testing, which can be done easily by astronomers, has ever been done the way I will describe it below, or not.

<snip, looking for change in detected frequency based on Earth's motion>

This will not establish a value for  $c$ . You would have to assume that Maxwell was correct, and the "ballistic photon" folks do not assume that.

You could use the Moon as a shutter, and if the CMBR or other high- $z$  source that should be occulted by the Moon is not occulted at a similar time as local visible light objects, then you will have detected an anisotropy. The 1.3 second one-way transit time can be multiplied by a  $(1+z)$  of almost 5 for some objects, and more than 1000 for the CMBR.

Might even get to publish a fancy paper or two on the subject.

David A. Smith

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