

Re: Bending of light not well authenticated

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- *From:* "Koobee Wublee" <kublai@xxxxxxx>
 - *Date:* Tue, 17 May 2005 22:56:30 -0700
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"Randy M. Dumse" <rm@xxxxxxxxxxxxxx> wrote in message
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>

- > Alright. Lots of detail in your reply, and I can't address all of it
- > right now. But let's start with this above paragraph if you care to
- > continue, because I think visualization of the deflection is important
- > to intuitive understanding of the process.

No, the deflection of the photon is an abstract concept that can only be proven in the mechanism of mathematics.

- > Yes, I am saying light beams in flat space appear bent when examined from
- > an accelerating frame.

I don't think you have understand me earlier in the previous post. You can never observe the bending path of a photon directly. Only in a medium filled with smoke, which reflects some photons, in a beam of laser you can see the path of a photon takes. I also think you meant "a light beam in an accelerated environment appears to bend when examined from flat space.

- > In deep flat space, a free floating spacecraft has two glass sides, and a
- > glass wall in the middle. A companion ship agrees to shine a laser pulse
- > at the ship. [...]

Your 2nd run is demonstrated by Michelson–Morley experiment. Again, from the experiment, you do not observe the path of the photon taking a different route. Rather, the diagrams of how a photon travels relative to other frames of references are determined through common sense. Your 3rd run involves acceleration and ALSO SPEED. How do you know it is not the speed (also variable) that allows a bending path of the photon as MMX has already authenticated?

To understand this problem, you must go through the math. Although the math leading to the field equations are extremely complicated and requires expertise in tensor calculus, after Schwarzschild presented a solution base