

Re: Stupid Einstein question.

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"suzysewnshow" <suzysewnshow@yahoo.com.au> wrote in message news:e0a23188.0408201403.7582371b@posting.google.com...
|> Actually, this thought experiment is correct. The light's speed inside the
|> train
|> (taking out any obstruction along the length) will be c as seen by the train
|> observer, and outside the train will be c as seen by the trackside observer,
|> and the same will be true for the thunder moving at Mach 1. Air is a medium
|> for light just as it is for sound. Each observer sees the other's light
|> move at $c-v$, $c+v$ because for them, it does. So, since you would not
|> seriously expect both to hear the thunder simultaneously, you cannot expect
|> them to see the flash simultaneously whilst being at the same place.
|>
|> Androcles.
|
| Surely you recall the experiment with a electric door-bell inside a
| bell-jar. When the air is pumped out of the jar, the sound is
| interrupted but the door-bell is plainly visible. This would seem to
| cast some doubt on your statement: << Air is a medium for light just
| as it is for sound. >>

Strange as it may seem, I can hear in the dark. I cannot see the bell jar in the dark, though.

Maybe light passes though both air AND vacuum AND bell jars, but sound doesn't pass through vacuum and is attenuated by bell jars. Could that be why?

Now tell me, how does that cast doubt on the statement "Air is a medium for light just as it is for sound." ?

Y'know, I've known quite a few relativists that are totally irrational when the religion is countered by simple observation and logic. Are you one of them?

Androcles.

sci.physics.relativity: Re: Stupid Einstein question.

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| Kind regards,
| Sue...