

# Re: Eric Gisse doesn't know the basics of Relativity

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- *From:* "T.M. Sommers" <tms@xxxxxx>
  - *Date:* Sun, 05 Aug 2007 13:16:22 -0400
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guskz@xxxxxxxxxxxx wrote:

On Aug 5, 11:12 am, "T.M. Sommers" <t...@xxxxxx> wrote:

gu...@xxxxxxxxxxxx wrote:

N.O.V.I.C.E. (or idiot) Eric Gisse doesn't know that  
Temperature  
\*MUST\* be a Lorentz invariant scalar.

Water would be a vapor or ice in other reference frames  
otherwise  
IDIOT if Temperature did not remain invariant.

Temperature is not invariant. It transforms as

$$T' = T * (1 - v^2/c^2)^{(1/2)}$$

Come on. Rest Mass is a Lorentz invariant scalar.

Never heard of invariant mass,  $M' = \gamma M$ .

M remains invariant.

I thought we were talking about temperature. What has mass got to do with it?

—  
Thomas M. Sommers -- tms@xxxxxx -- AB2SB

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