

Re: invariance of negative signature of the metric?

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- *From:* "Ken S. Tucker" <dynamics@xxxxxxxxxxxx>
 - *Date:* Wed, 12 Mar 2008 11:33:58 -0700 (PDT)
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On Mar 12, 6:12 am, stevendary13...@xxxxxxxxxx (Daryl McCullough) wrote:

On Mar 11, 11:32 am, "Ken S. Tucker" <dynam...@xxxxxxxxxxxx> wrote:

Can you find a reason to exclude

$$\xi / \xi' = \sqrt{-1}$$

as a legit transformation coefficient?

I'm sure that it's possible to work perfectly well with complex coordinates.

That's what a (+---) signature is.

But the notion of a metric "signature" only makes sense if the coordinates are real.

I don't know what "makes sense" means, but I prefer to use a (++++) signature BUT that's choice not a physical law of nature.
Ken S. Tucker

—
Daryl McCullough
Ithaca, NY

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