

Re: Reflections on Aether

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Paul Stowe:

> *Maxwell's aether IS what brought about the realization that locally,*
> *the aether is Lorentz Covariant.*

No it isn't and despite my repeated requests for you to prove that statement, you have refused to do so. Let's see a derivation. You've also stated that the aharanov-bohm effect can be understood in terms in maxwell's ether. Let's see you demonstrate that, too. Since the aharanov-bohm effect cannot be derived from maxwell's equations _at_ _all_, regardless of what you do, I'd really like to see you try deriving it. I predict that you'll do none of the above.

> *Both Lorentz in 1904 AND Einstein in 1905 placed this fact above all*
> *others as the necessity FOR their works.*

That isn't so. Einstein's first postulate does not favor any particular equations for any phenomena. It makes no difference whether maxwell's equations hold or not. The second postulate was chosen specifically to provide a _geometrical basis for maxwell's equations as a natural consequence of spacetime.

Furthermore, the second postulate is basically irrelevant to the theory of relativity. It's relevant to a theory of electromagnetism. Finally, I can _derive_ maxwell's equations from the first postulate and the quantum mechanical replacements for the momentum and energy using nothing but the requirement of _invariance_.

> *If's that NOT Maxwell's aether, what is???*

So, does that mean you finally accept the modern point of view in terms of fields and have reconciled your personal issues as being due to strange semantics on your part? If so, then it's nice to see that you've finally joined the modern world. If not, then what, precisely, is your argument? I mean, if you don't accept the modern view of fields, why are you trying to argue that field theories have some resemblance to your idea of an ether?