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Q: How can Oliver Heaviside's solution to the transatlantic cable problem undermine Lenz's law?



The way in which the transatlantic cable problem was explained to me, is that the amps traveled slower than the volts and, thus, was delayed in arriving. Now this is normally described as back EMF, namely: a coil inductively resists the flow of current in an oppositional manner which although tru...

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Marcus Müller

Nov 2, 7:58

"the amps travel slower than the volts" that's nonsense.

It's absolutely not clear what specific problem you're referring to. Could you cite sources, maybe? Also, it feels like you're looking at transmission lines, but haven't read any of transmission line theory (which has about 170 years of history).



Vinyasi

Nov 2, 7:58

You're right I don't know anything about transmission line theory. When I say amps versus volts I mean the magnetic field versus the electric field or the consequences of these fields when we measure them.



Marcus Müller

Nov 2, 7:58

yes, and that's nonsense. You seem to know what an electromagnetic wave is, so I need only to remind you of the very basics: Maxwell. You'll instantly feel reminded of the fact that the derivative in one field can't exist without the other.



Vinyasi

Nov 2, 7:58

Andy aka... Eric Dollard



Marcus Müller

Nov 2, 7:58

[@Vinyasi](#) took me four and a half second of googling: that guy is full of made-up pseudoscientific shit (yes, that's the technical term among engineers who have not lost their marbles), sorry. Don't believe a word he's saying.

I'm voting to close this question because it's based on the "teachings" of a pseudoscience hack, and has no relation to real physics.



Vinyasi

Nov 2, 7:58

How do I find out about Maxwell's perspective without heavily laden with too much math.



Andy aka

Nov 2, 7:58

Maxwells equations is math. Get googling.



Marcus Müller

Nov 2, 7:58

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