

Inconsistencies in Classical Electrodynamics?

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Abstract

In a recent issue of Philosophy of Science (2004), M. Frisch claims to have proved that classical electro-dynamics is an inconsistent physical theory. We argue that he has applied classical electro-dynamics inconsistently. Frisch also claims that all other classical theories of electro-magnetic phenomena, when consistent and in some sense an approximation of classical electro-dynamics, are haunted by "serious conceptual problems" that defy resolution. We argue that this claim is based on a partisan if not misleading presentation of theoretical research in classical electro-dynamics.

Keywords: classical electrodynamics, classical physics, inconsistency

Subjects: [Specific Sciences: Physics: Classical Physics](#)

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