

Review of: "Can the electromagnetic fields form tensors if $D = \epsilon E$ and $H = B/\mu$?"

Pi-Gang Luan¹

¹ National Central University

Potential competing interests: No potential competing interests to declare.

Review comment:

To the best of my knowledge, the constitutive relations between the D and B fields and the E and H fields utilized in this paper appear excessively restrictive. Generally, in the case of a moving medium, the D field is connected to both the E and H fields, and the B field is simultaneously linked to the E and H fields as well. For further information, the author may refer to the appendix and Chapter 5 of the article titled "Transformation Optics and the Geometry of Light" (arXiv:0805.4778v2) by Ulf Leonhardt and Thomas G. Philbin, or consult the book "Geometry and Light: The Science of Invisibility" written by the same authors.