

Review of: "A Unified Dynamic Equation of The Classical Field in Local Manifold"

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Potential competing interests: No potential competing interests to declare.

The author introduces a very interesting approach to the dynamics of general classical fields, which unifies and presents known properties of different types of fields in a new light.

I will just point out that if the stress tensor in the classical Navier-Stokes equation depended on the antisymmetric part of the velocity of the deformation tensor, the resulting forces would not be invariant when transformed to rotating frames, as they must in non-relativistic classical mechanics. This is so for any constitutive relation between the stress tensor and the velocity of the deformation tensor; not just for the approximate expression valid for Newtonian fluids.

Qeios ID: MNBPHE · https://doi.org/10.32388/MNBPHE