

Review of: "Quaternionic Bekenstein-Sanders Guage Fields for TeVeS"

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Potential competing interests: No potential competing interests to declare.

This work is interesting in context of tensor-vector-scalar theories of gravity.

It is more appropriate to discuss Eq.(2.13) in an arbitrary local Lorentz frame. The authors can then use the generality of quaternionic fields to solve the issue of existence of non-trivial solutions of Eq.(2.13). There can be more conditions on v similar to Eq.(2.16) although they need not reduce v to zero.

Arguments below Eq.(3.1) are not transparent due to notational discrepancies. In which limit of ϕ Eq.(3.5) will correspond to the $\varepsilon \to 0$ limit of Eq.(3.1)? There are a few typos including one in the title.

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