

Review of: "Spin-statistics Theorem from the Stuart-Landau Equation"

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Potential competing interests: No potential competing interests to declare.

The paper states: "Based on the conjecture that spacetime dimensionality flows with Λ above the SM scale". However, this statement is not true. In dimensional regularisation, an analytic continuation is made, but the parameter epsilon is taken to 0 for any physical quantities. The dimension of spacetime does not in reality flow with Λ .

In addition, the three assumptions in the paper are not motivated. In particular, assumption 3 states that "Spin represents a complex valued parameter whose dynamics is well approximated by the SL equation" and gives a citation. This citation does not however mention spin anywhere, and there seems to be no motivation why the dynamics of spin should be well approximated by the SL equation.

For this reason, I don't think that this article is based on any reasonable foundation.