

Review of: "Dimensional Reduction as Source of Cosmological Anomalies"

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Potential competing interests: No potential competing interests to declare.

The paper speculates about dark matter being an effect of living in a universe with a dimension in between $2+1$ and $3+1$. Another speculation is that the topology would be $R^2 \times S^1$. The relation, if any, between these two ideas, is hardly spelled out at all. What the paper does, is to focus on just $D = 4$ and $D = 3$ flat dimensions of trivial topology respectively, and present phase diagrams for these two cases, which is elementary exercises. Fractional dimensions are not considered at all. There is no nontrivial content of any substance in the paper. Although the idea that the universe might have a dimension between $2+1$ and $3+1$ might be very interesting, it seems the results that are presented in this paper are not enough to make it into a publishable paper. I therefore recommend rejection.