

**REFEREE'S REPORT ON: "Extra-solar scale change in
Newtonian's law from 5D R^2 -gravity**

by
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The author considers a so called absolute parallelism five-dimensional theory which does not arise from any Lagrangian, does not match general relativity, and it resembles a R^2 gravity theory.

The physical motivation of the work and its physical interpretation is not well established on the paper.

The paper is very bad written, no physical meaning of the mathematical objects used in the formulation is specified, a lot of used objects are not even defined.

It is well known that all non-linear theories possess initial value problems, i.e., Cauchy problems. Therefore, the author should specify how he avoids or circumvent such disease.

Additionally, if this approach does not match general relativity, it should be proved that it satisfies all the standard test of GR, like Mercury perihelion, light deflection, etc.

Moreover, it is also not clear the compactification procedure used.

The paper seems to be only a mathematical exercise without any physical meaning. Therefore, given the above mentioned shortcomings I recommend the editors of General Relativity and Gravitation to REJECT this paper.