

Abstract Submitted
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Derivatives, Lagrangians, Points, Strings, and Balls ALFRED PHILLIPS JR., Source Institute — Constrained by the uncertainty principle, the speed limit for information transfer, the equivalence of mass and energy, and gravity, we speculate as to whether or not we need new mathematics and/ or new physical insights to resolve the 120 order-of-magnitude difference in the vacuum energy of quantum theory and general relativity. We speculate on the specific subject objects, given the aforementioned constraints.

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