

Abstract Submitted
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Does Fine-structure Constant link to Gravitational Degradation?

SHANTILAL GORADIA, Gravity Research Institute, Inc. — My description of the fine-structure constant in physics/0210040 v3 and another APR07 abstract as a reciprocal of the natural logarithm of Hubble time that compensates increasing rate of order with the increasing rate of disorder of the universe, implies that gravity is mediated by photons. Shrinkages of Planck length as a result of gravitational degradation would randomize it for statistical calculations. My proposal that gravity is a long range manifestation of the short range nuclear forces implies it has a small repulsive component implying it is mediated by photons. Based on both of these implications I make the case that electromagnetic interactions caused by lighting during thunderstorms explain increase in order in chemistry and biochemistry and fuel the destructive power of tornados by causing nuclear reactions that alter the composition of atmospheric gases. I predict that the lighting causes minute changes in the atmospheric constituents of gases. Advanced technology may make it possible to verify my prediction.

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