Abstract Submitted
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A Proposed Physical Structure for Supersymmetry, Mass, and Fields TERRENCE S. MCGRATH — An atomic model has been formulated which illustrates how electromagnetic waves generated locally from the atom's nucleus can generate a supersymmetric four-dimension quantized metric. The coherence of electromagnetic wave sets generated from within the nucleus ultimately generates four-wave intersections important to defining fundamental characteristics of the quantum metric and providing tools for deterministic modeling of supersymmetry, mass, and field generation. The model describes a novel 6-choose-4 permutational metric structure that generates five light-cone structures. The self-referencing alignment of the light-cones within the atom provides regularization for the formation of mass-particle fields, lattice spacing, and moments that converge at the nucleus. The model proposes a discrete physical structure for mass and matches the measured electron:proton mass ratio to 2.9786E-08. http://www.elemetric.com/

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