An Intuitive, Classical Approach to Unification: a Spherically Rotating Electron in a Classical Aether

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Abstract. The aether is defined as a continuous substance through which a disturbance will propagate at the speed of light. Spherical rotation in the aether is shown to satisfy the criteria for the SU(2) group. The origin of charge, spin, wave properties of particles, photons and neutrinos are explained. Different components of the wave produced by spherical rotation are associated with electricity and magnetism. Ensembles of spherically rotating particles are shown to have properties and magnitudes associated with the other 3 fundamental forces.