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Classical Wave Structure Description for the Atom TERRENCE MCGRATH — A radically new atomic model has been formulated which illustrates how classical wave structures can provide a supersymmetric four-dimension quantized metric. This model offers the discrete physical structure and natural regularization for mass scales using lattice circle solution sets and quantum loops following spindle torus geometries. The model duplicates the measured mass scales of electrons and protons to eight orders of magnitude and identifies discrete structures for quarks, pentaquarks, and confinement. The model scales over a broad range of lengths represented by going from the Planck length up to atomic diameters, allowing for quarks and atoms to be simultaneously described. The model also provides a mechanism for representing the scale of gravitation to the electromagnetic force at 9.39E-39 for Iron, consistent with observed values.

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