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Wonders of Planck Scale Physics with Real Dimensions SHAN-TILAL GORADIA, Gravity Research Institute — Postulating the probability of an interaction between two particles as inversely proportional to the square of their separation in Planck lengths, recovers Newtonian inverse square law and explains many unknowns. For one Planck length separation, it gives the force of the strong coupling constant between two coupled nucleons. For a million Planck lengths separation between two particles, it gives a probability interaction of a trillionth showing quantum particles do experience gravity detectable once in trillion times. Since Planck length is never zero, it kills the renormalization issue. It gives total probability of interaction with all other particles as greater than one, explaining spooky action at a distance or simultaneous display of one photon's spin to two separated particles. Planck scale when used with Boltzmann law, enables to express the reciprocal of ALPHA as greater than or equal to the natural logarithm of the age of the universe in Planck times (10E60) which is equal to the inverse of the square root of the cosmological constant in Planck units. See later versions of physics/0210040. Planck scale shows more on the horizon. Natural logarithm links to transcendentality per French mathematician C. Hermite (1873).

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