

Abstract Submitted  
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**Does Multiplicity Replace Renormalization and Link Genetics too?** SHANTILAL GORADIA, Gravity Research Institute — The substitution of sixty orders of magnitude, the age of the universe in Planck times, for  $W$  in entropy equation  $S = \ln W$ , yields 138, close to the reciprocal of fine-structure constant (137) consistent with (1) Einstein's 1919 retraction of cosmological constant, (2) non-decreasing nature of entropy (3) Gamow's view. I link cosmology and Boltzmann statistics in terms of encryption in sequences of the OPEN and CLOSED states (or their superposition) pictorially shown in fig 1 [1]. I take an algorithmic approach to explain the expression of genetic information in cloning in terms of black hole information theory via Planck scale and flexible Einstein Rosen bridges linking physical particles of genetic tape with spacetime. Einstein's retraction of cosmological constant, long before Hubble's finding, surprised me, possibly you and Mike Turner too, during my last encounter with Mike at NDU. In 1919, Einstein addressed multiplicity, not GR. Unlike later papers on MOND without dark matter, I use no renormalization tricks in v2 of [1]. [1] physics/0210040 v3 (Jan 2007).

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