

Abstract Submitted
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A Proposed Theory of Everything (TOE) ANTONIO COLELLA, IBM — The TOE unites all known physical phenomena from the Planck cube to the Super Universe. Each matter and force particle exists within a Planck cube and any universe object is representable by a volume of contiguous Planck cubes. The TOE unifies 16 SM, 16 Supersymmetric, 32 anti, 64 Higgs, and the super force for 129 particles. At $t = 0$, our universe's energy/mass consisted of super force. By $t = 100$ seconds, this transformed into eight permanent matter particles. Matter creation coincided with the inflationary period. Spontaneous symmetry breaking occurred for 17 matter particles including W/Z bosons and 17 associated Higgs force particles. The sum of eight permanent Higgs force energies was dark energy. Our universe and parallel universes were nested in the Super Universe. A black hole was redefined as a quark star (matter) and black hole (energy). Super supermassive (10^{24} solar masses) quark stars (matter)/black holes (energy) were to universes as supermassive (10^6 to 10^9 solar masses) quark stars (matter) were to galaxies. Information was lost in quark star/black hole formation and none was emitted as Hawking radiation. Entropy switched from maximum to minimum in the transformation “resurrecting” life. The cosmological constant problem existed because the Super Universe was a googol larger than our universe.

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