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Stellar Black Hole Example of the It from Qubit (IfQ) Concept
ANTONIO COLELLA[1], IBM Retired — Stellar black hole (BH) example of IfQ consisted of volume of contiguous Planck cube information chunks. Four independent theories selectively amplified without sacrificing their integrities: superstring, Higgs forces, stellar BHs, and arrow of time. Superstring amplifications: 129 fundamental matter/force particles resided in Planck cubes as closed superstrings; any object in universe defined by a volume of contiguous Planck cubes; and super force superstring doughnut physical singularity existed at Planck cube's center at t = 0. Higgs forces amplifications: extremely high early universe temperatures caused spontaneous symmetry breaking, not Higgs forces; matter particles and their associated Higgs forces were one and inseparable; spontaneous symmetry breaking was bidirectional (e.g. beta decay equation); and by end of matter creation time, only 22 permanent matter/force particles remained. Stellar BHs amplifications: stellar BHs were both quark star (matter) and associated BH (energy). Arrow of time amplifications: in a subset volume of precursor universe, entropy decreased without negating 2nd Law of Thermodynamics. These amplifications summarized in two BH figures.

[1]Reference: Home page www.antonioacolella.com first article [superstring (pp. 2-7), Higgs forces (pp. 12-13), stellar black holes (pp. 25-27), and arrow of time (pp. 29-34)] and first video.

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