Sephirot Genesis Cosmogony Scenario: "Big-Bang" Thom Double-Cusp Catastrophe: Physics(Effects/Something)+(Its Root-Cause Mathematics Pre-Physics/"Nothing")

"Meta" FREDERICK YOUNG, E-CARL LUDWIG SIEGEL, Retired — [In reverse chronology nearly(Planck-time) simultaneously]: (B)Physics:(9) SUSY/Higgs BEC symmetries-breaking. (8) Guth exponential-inflation intersects dim=0=t ordinate axis at (0,1)[terminated/ongoing/cyclic]. (7) BEC to Nambu(60) BEC quantum-vacuum (3+1) spacetime. (6) Mermin-Wagner theorem BEC space-dimension expansion 0->3(at least)"by whose command dimensions open up"[Maariv] with boson-pressure in (3+1)-dimension lightcone. (5) exponential-inflation intersection with ordinate=time-dimension at (0,1){cusp 2}. (4) bosons-singularity in time:1/|exp(00)=-1|=dim=0=t. (A)"Meta"(3)dim(0-9)=digits(0-9). (2) 1/|exp(w iP=IW_i)-1|=digits algebraic-inversion of Newcomb-Poincare-Weyl-Benford[benfordonline.net](base 10)log(1+1/d)|=iP_i|=iw_i; digits=bosons. (1) Takagi(86) generic quantum-statistics expansion around unit-circle 1/exp(w){1=exp(i.Pi}{dim}) = (viaEuler formula) = 1/exp(w) - |cos(Pi.dim) + isin(Pi.dim) = (ofform) = 1/{X' + iX"} Siegel(87) complex quantum statistics in Nottale(93) fractal — dimensions explains dominant dark sector: matter + energy. (0) Sephirot[cuspl] : universe — creation[Zohar/Kabbalah]by counting numbers(= digits = dimensions)0 > 9(or WittenM — theory(0 > 10)?; Gross — Wilczek heterotic superstrings?).

E. Carl-Ludwig Siegel
Retired

Date submitted: 02 Jan 2020
Electronic form version 1.4