

Abstract Submitted
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**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 $\dim=0=t$ ordi-
nate 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 expan-
sion $0 \rightarrow 3$ (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) $\dim(0 \rightarrow 9)=\text{digits}(0 \rightarrow 9)$.(2) $1/[\exp(w \cdot iP_i = iW_i)-1]=\text{digits}$
algebraic-inversion of Newcomb-Poincare-Weyl-Benford[benfordonline.net](base
10) $\log(1+1/d) = iP_i = iW_i; \text{digits} = \text{bosons}$.(1)Takagi(86)generic quantum-statistics ex-
tension expansion around unit-circle $1/\exp(w) - [-1 = \exp(i.Pi)^{\dim}] = (\text{via Euler -$
 $\text{formula} = 1/\exp(w) - [\cos(Pi.\dim) + i\sin(Pi.\dim)] = (\text{of form}) = 1/[X' +$
 $iX]$ "Siegel(87)complexquantum - statistics in Nottale(93)fractal -
dimension explains dominant dark - sector : matter + energy.(0)Sephirot[cusp1] :
universe - creation[Zohar/Kabbalah] by counting numbers (= digits =
dimensions) $0 > 9$ (or Witten $M - \text{theory}(0 > 10)$?; Gross - Wilczek heterotic -
superstrings?).

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