

Abstract Submitted
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**Network-Physics(NP) BEC DIGITAL(#)-VULNERABILITY
VERSUS FAULT-TOLERANT ANALOG** G. K. ALEXANDER, M. HATH-
AWAY, H. E. SCHMIDT, E. SIEGEL, FUZZYICS=CATEGORYICS(SON
OF TRIZ) — Siegel[AMS Joint Mtg.(2002)-Abs.973-60-124] digits logarithmic-
(Newcomb(1881)-Weyl(1914; 1916)-Benford(1938)-"NeWBe"/"OLDbe")-law
algebraic-inversion to ONLY BEQS BEC:Quanta/Bosons= digits: Synthesis reveals
EMP-like SEVERE VULNERABILITY of ONLY DIGITAL-networks(VS. FAULT-
TOLERANT ANALOG INvulnerability) via Barabasi "Network-Physics" relative-
"statics"(VS.dynamics-[Willinger-Alderson-Doyle(Not.AMS(5/09)]-critique); (so
called)"Quantum-computing is simple-arithmetic(sans
division/ factorization); algorithmic-complexities: INtractibility/ UNdecidabil-
ity/ INefficiency/NONcomputability / HARDNESS(so MIScaled) "noise"-induced-
phase-transitions(NITS) ACCELERATION: Cook-Levin theorem Reducibility is
Renormalization-(Semi)-Group fixed-points; number-Randomness DEFINITION
via WHAT? Query(VS. Goldreich[Not.AMS(02)] How? mea culpa)can ONLY be
MBCS "hot-plasma" versus digit-clumping NON-random BEC; Modular-arithmetic
Congruences= Signal X Noise PRODUCTS = clock-model; NON-Shor[Physica
A,341,586(04)] BEC logarithmic-law inversion factorization:Watkins number-thy. U
stat.-phys.); P=/=NP TRIVIAL Proof: Euclid!!! [(So Miscalled) computational-
complexity J-O obviation via geometry.

Edward Siegel
FUZZYICS=CATEGORYICS(SON OF TRIZ)

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