
Odlyzko-Rubenstein-Wolf[Expt.-Math. 8, 2, 107 (1999)]-Stewart [Sci. Am. 106 (12/01)-Fig. 2] (ORW-S) “Jumping-Champions” (a. k. a. “Jump-Champs”; ( here) a. k. a. “Jump-Chumps”) prime-number gaps-distribution, resembling seminal Brillouin [Wave-Propagation in Periodic-Structures, Dover (1921)] crystal energy-bands density-of-states energy-gaps, exhibit (why only?) semi-log distribution \( \log_{10}(N(x, d)) \) vs. gap-size \( n \equiv (2d) \) parametrized by argument \( x \), the (even) “primorials”: \( 2 = 2 \cdot 1, 6 = 2 \cdot 3, 30 = 2 \cdot 3 \cdot 5, 210 = 2 \cdot 3 \cdot 5 \cdot 7, \ldots \), “PLS” = \( \Pi(z = \text{even} - Z) \cdot ((z = \text{even} - Z) + 2) \); & \( 4 = 2 \cdot 2 \) also!), a slightly-diverging “spray” of nearly-linear wiggley “lines”. **Critique:** sadly all to common, not just in pure-mathematicians and physicists, ORW-S ask and (no doubt brilliantly) answer: how?, and how much? questions, totally ignoring even asking, muchless answering questions: What?, Where? (+) When?, Why?? and perhaps WHY???

**Full log-log plot will, by a factor of log-base 10 (one full order-of-magnitude):** (a) rotate “spray” to near verticality, (b) collapse “spray” slight-divergence, (c) straighten all wiggles (a. k. a. “chump-change”) out. **WHAT?** is a “near”/quasi-continuous sequence of (so-called) \( “1”/(\omega \equiv P(#)-\text{noise}(s)) \) power-spectrum/a sequences/family cascading from \( “1”/(\omega \equiv P(#)(\text{arg} \equiv x = \infty) = 0 \) via \( “1”/(\omega \equiv P(#=1.000...)-HYPERBOLICITY \) towards \( “1”/(\omega \equiv P(#)(\text{arg} \equiv x = 0) = “WHITE”, Berry’s long-predicted Riemann zeta-function zeros’ quantum-chaos! What percent of digits are primes? (mod trivial evens) 100%: 0,1,2,3,5,7! (1881) (on average) statistical NeWBeK-logarithmic-law is not only about DIGITS, but about first mod-10 primes!, analogous to Feigenbaum’s period-doubling routes to classical-chaos. **Lurking** is deep connection to NeWbeK: **INVERSION** to (only) Bose-Einstein (B.-E.) quantum-statistics, **EXPANSION** to Hyperbolicity power-spectrum quantum-chaos, and \( d = 0(!) \) Bose-Einstein **Condensation**: **PHYSICS**! (Received August 06, 2001)