

Pan-Acts Modeling of Pantheism*

"The Universe is the body of God,
Its functioning, His mind."
Alexander Pope, Essay on Man

- I. EXPLICATION of Pan-Act-Theism, equating the "self-creating-cosmos" to "God_c, the-Creator-and-all-Created," comprises:
- A. Geometric graphs such as "Pan-Acts Pictured" on the back cover. This graphs, statically, 9 cohorts at one date, or dynamically, one cohort at 9 dates.
 - B. Algebraic equations such as the Pan-Act formula, "a/ct = 1." This equates the number of actants, a, at Level t to the Creatant Rate, c, x time taken (t).
 - C. Prose sentences such as the 4-word, 16-word and 64-word resumes below:

"If all n

ACTANTS' INTERACTS ORGANIZED COSMOS
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 make nⁿ possible patterns,
Then they and all therein."

"If all n actants (= things-namable) interact, randomly, ceaselessly and reiterantly, forming and equally unforming in their overlapped cohort life-cycles, all their nⁿ possible combinations, permutations, or repetitions, then they continually organize cosmos and all actants therein as hierarchic normal distributions, at nine levels, self-built by vast stochastic processes, at a Creatant Rate c (=lg²10 ≐ 11), during each cohort's life-cycle of 10³² or e^{t_c} years."

- II. DUPLICATION in Pan-Act-Theism consists in often using the same word, "God," with two inconsistent meanings. These imply the Whole cosmos versus the Good Part that is benevolent to man but excludes whatever seems malevolent to mankind as Anti-God.

This confusion can be cleared up by using different names for the Whole versus the Part, such as "cosmos," for all things-namable, and "God_L") for all that seems good and loving to man.

Then humanity might agree that cosmic activity is worth study and that good activity is worth pursuit, thus tending to unify scientific and religious attitudes.

- III. IMPITCATIONS of Pan-Act-Theism include:
- A. Answers to some ultimate questions of theology and cosmology. See EpiDoc 303:3.
 - B. Value systems or goals which mankind progressively discerns and pursues. See 303:3-4.
 - C. Properties redundantly attributed to Cosmos or God_c, the Creator, such as Being:
 - 1. Self-creating by past interacting of actants, largely pair-permutive in and between

the nine levels, as explained (315:3, 310:2, 312:3, 308:2) by successive self-products in Gompertz curves of \pm Entropy:

$$p_t + q_0^{2^t} = 1 = U^0$$

2. Self-maintaining by present combinative interacting of actants, as described by binomial and Gaussian Normal probability curves:

$$(p + q)^n = (\Sigma U^0/2)^n = 1 = U^0$$

3. Self-directing by futural generations, or cycles of actants, recurring under recurring conditions, as predicted by Euler's Helix:

$$(e^{2\pi i})^t = \text{cis } 2\pi t = 1^t = 1 = U^0$$

4. Self-fulfilling (= n^n) by anytime reiterant organizing of actants as controlled by Stirling's combinatoric formula:

$$n^n/e^n \Gamma(n) \sqrt{n} \sqrt{2\pi} = 1 = U^0$$

5. Self-sufficing as summarized by Dodd's rectified Pan-Acts Equations:

$$a/ct = 1 = U^0 \text{ IV.}$$

IV. APPLICATIONS of Pan-Act-Theism are exhibited in:

- A. EpiDoc 316:3 entitled "Twelve Applications of the Pan-Acts Model of the Cosmos." This analyzes and resynthesizes in hierarchic order (by the integer exponent, $m = 0, 1, 2, 3, 4$), the contents of these twelve (and 8 more) disciplinary fields.
- B. EpiDoc 316:4, entitled "Fruitage by Fields", which marshals two systematizing consequences of Pan-Act theory, for each of 32 disciplines and fields.
- C. The most important application of Pan-Act-Theism for mankind could be the integrating of science and religion. For the religionists time-honored quest to know and obey the Will of God becomes identical with the scientists' re-search on how things work whenever God_c, the Creator and Ruler of All, becomes operationally defined as identical with the cosmos or set of all things-namable. Science becomes the cognitive** fact-finder about what is of most import to man while Religion becomes the affective** motivator of all man's conative** decision-making for the future.

**These three underlined words, dealing with knowing, feeling and doing, define our Modes sub-theory of human actions or "transactions." EpiDocs 307:4, 314:1-4, 303:3.