

EpiDoc 403A
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 300 Words

Ultimate Cosmic Questions and Pan-Act Answers

Perennial issues in philosophy and Cosmology can now be answered better than hitherto with the emerging semiotic sciences, studying man x symbol x thing relations. These include set theory and systems theory, combinatorial and stochastic statistics, dimensional and transactional analysis, operational and holistic synthesis. This essay in semiotics presents answers to some ultimate questions as seen thru Pan-Acts Modeling compared with other models.

Definitions: "Cosmos" = all actants (= U° = 1); "Actant" = any thing-namable, viewed as an organized item or energy				
QUESTIONS	OLDER mythical answers from the Past	MODERN scientific answers in the Present	NEWER hypothesized Pan-Act answers for Future Testing	ISSUE
<u>WHO?</u> made all things?	God, the Creator	Natural forces anthropomorphically personified	Cosmos (=Pantheist's God) continually and cyclically renews itself.	Personification or God
<u>WHAT?</u> makes all things go?	God Rules All.	Law-abiding processes maintain everything	n actants interacting in all possible n ⁿ ways	Agency
<u>WHY?</u>	God Willed It	Towards evolving of everything	Towards actants' cyclic fulfillment of their n ⁿ possibilities	Destiny

<u>WHERE?</u> was cosmos made?	Within Mans sight	Within man's Instrumented Observability	Wherever actants pair- permute, thus building	Location
<u>WHEN?</u> was Cosmos made?	In seven days	Some 10^{10} years ago	Throughout every cosmocycle, $T = 10^{32} = e^{r_f}$ years -- $r^u = \sqrt{12}$ (so $\ln T_u = r^f$ = the standardized actant fulfilled)	Timing
<u>WHICH?</u> materials make up cosmos?	Earth, Water, Air, Fire	10^8 sub-atomic particles	Every phase's actants, pair-permuted, stochastically generate later phases	Substance
<u>WHICH?</u> symbols make cosmos known to man?	Genesis I terms	Operationally- defined scientific terms	Pan-Actant terms measurably improve cosmic explanation and prediction	Knowledge
<u>HOW ELSE?</u> (beyond #1-7 above)	Ignored in myths	Further Unknown phenomena exist	Unknown causation is measured by k^2 in ($r^2 + k^2 = 1$)	Unknowns
1 word	2 words	4 words	8 words	

The answers here expand as the binary numbers (1, 2, 4, 8) with time, becoming more explicit.