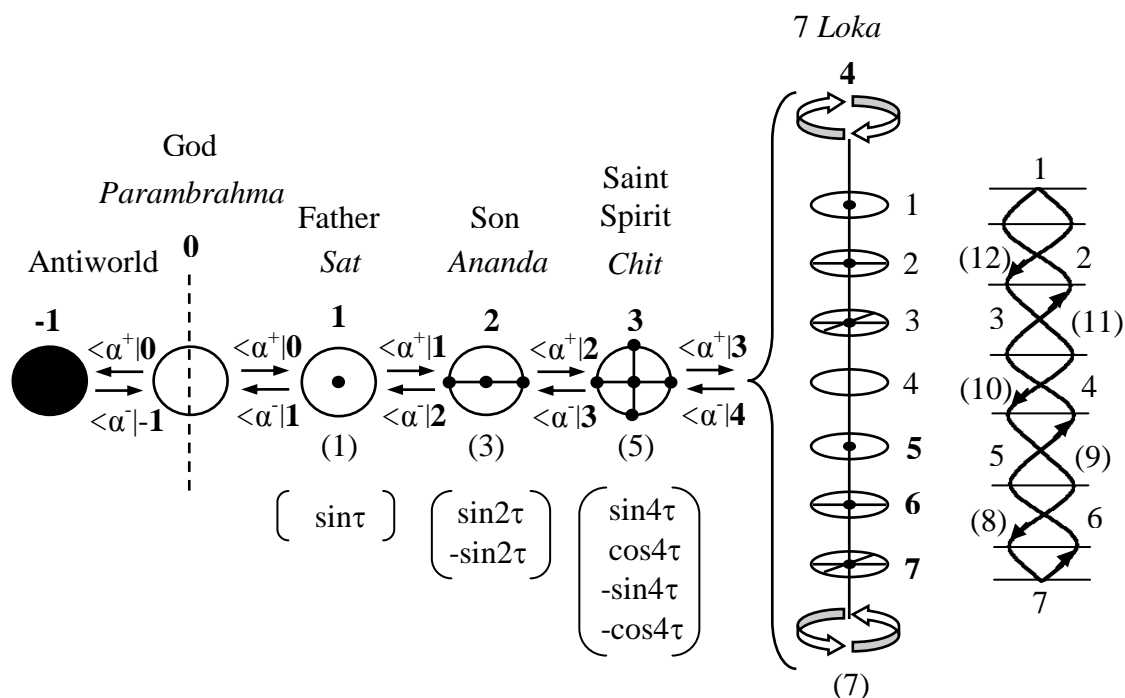


## PRINCIPLE OF UNIVERSAL RELATIVITY

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In order to transcend the "Gödel's incompleteness" of contemporary conceptual systems and associated fragmentation of human knowledge into science, religion and philosophy it is proposed to put in the very basis of scientific understanding of reality a principle of universal relativity (PUR). At the level of mathematical abstraction, within PUR the manifested world (MW) of our reality appears in four stages from non-manifested Cause under the influence of operator  $\alpha^+$ . The latter projects level  $i$  of non-manifested world (NMW) into a binary of opposite, mutually relative aspects of level  $(i+1)$  ( $i=0,1,2,3$ ). The resulting projection matrix forms "our Universe" as an indivisible (7-level)-(12-fold)-(cyclic-spiral) {space-time-object-subject} continuum, NMW (1,2,3) and MW (5,6,7) being separately projected as religion and science, respectively, and together as the conception of 7 spheres (7 Loka) of Vedic philosophy onto mental space of "our sub-continuum" (cf. below). The symmetry,



imposed by projection matrix on the "rotating cross" of four primary aspects {space-time-object-subject}, causes characteristic properties of "our physical reality" with its (a) space-time relativity and space curvature of the Special and General Theories by Einstein, (b) the ("4-level")-(12-particle") structure of the Standard Model of elementary particles, (c) the  $s^1(1)-p^2(3)-d^3(5)-f^4(7)-f^5(7)-d^6(5)-p^7(3)-s^8(1)$  structure of the Periodical Table of chemical elements, (d) the subject-object relativity of events in quantum physics, etc.

According PUR at present our humanity is at critical, "bifurcation" point of the 4<sup>th</sup> transitional sublevel of the 7<sup>th</sup> lowest level of the aforementioned continuum, passing from mental to intuitive perception of reality (associated with Soul in religion). Exaggerated inclination to material consumption has dangerously distorted balance in the matter-consciousness binary, resulting in political, economical, and ecological crises. Their surmounting requires urgent harmonization of relations between material and spiritual aspects of human life. In this situation PUR represents ontological basis for unification of science, religion and philosophy within one holistic worldview paradigm. In the available literature, three empirical models of a new science, Universology, proposed by Polyakov, most closely correspond to PUR. These models formulate the top-priority problems of the transitional period and propose programs and methods for their optimal, integral, stage-by-stage solution.