

# Chaotic Pattern Of The Dynamic Dual (DD) Cosmic Evolutionary Big Cycle

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This paper is an **ADDITION** to the recent elaborated **Three Impossible Visions** synthesis, referring to the **functioning mechanism** of the **Cosmic Evolution**, operated by the CHAOS. The conclusion of the presented new cosmic model vision refers to the determinant role of the ignored basic phenomenon of **CHAOS** in general, especially in the **Cosmic Evolution**, of which motor it is, through its bi-directional **dual** energy-flux, really the **gravitational energy**. The CHAOS is functioning like a bi-directional infinite Archimedes-screw, but along the Big Cosmic Cycle not uniform. As generator of the **Fractal Cosmic Architecture**, the trinity of the **formal-functional-structural** quaternionic components presents some specific aspects:

1-The **FRACTALITY**, as formal-structural aspect of the CHAOS, is present everywhere in the nature, society, economy, and all phenomena. So, the cosmic evolution within a Big Cosmic Cycle follows a logistical-hyperbolastical curve composed by ascendent and descendent phases, going through an inflexion point/implosion, and ending with a Biig Collaps/explosion, but this curve is the covering curve of the component similarly logistical curves of the cosmic evolutionary levels, and this 7-stepped fractality is repeated on smaller and higher levels.

2-The **GRAVITATION**, as functional aspect of the CHAOS, permeates the whole Cosmic Big Cycle in form of **dual** energy-flow of the etheronic-gravitonic-neutrinic particle-trinity and their twins along the World-Axis, generated by the quaternionic interaction of the 3 basic cosmic **fields** – ethero-quark-gluonic, electro-magnetic and thermo-gravific, corresponding to the 3 **conics** ellipse, parabola, respectively hyperbola – each with its Dandelin-spheres/circles and mono-/dipoles. In the bionic-toroidal periods created massless particles **etheron**, **graviton** and **neutrino** – through the Big Implosion – transform into massive ones, their interaction creating the CHAOS. This idea results by Poincare's demonstration (1899) referring to the 3-body systems, of which interaction produces CHAOS, its energy being the GRAVITATION.

3-The **MAGNITUDE** of the CHAOS – proportional with the intensity of the GRAVITATION – approaches to zero along the bionic-toroidal dark periods, from the „**edge of Chaos**”, after a running up, oscillates/swings up to a maximal amplitude – „**peak of Chaos**” – manifesting in form of „**rate of spacio-temporal expanding/inflation**”, on cosmic level as a variable called „**Hubble's constant**”. This **MAGNITUDE** isn't uniform along the series of the Octavic Cosmic Levels, it evolves as a Gauss-bell curve, increasing from the **Tachionic** to the **Noethic**, **Etheric** and **Atomic Levels**, where follows the **maximal „edge of Chaos”/gravitation**, and continuing with a decrease along the **Astral/Galactic**, **Universal** and **Multiversal Levels**. The spacio-temporal expanding/inflation itself evolves following a logistical-hyperbolastical evolutionary curve, of which **inflexion point** coincides with this maximal „**peak of Chaos**” (Annex 3.9).

So, the GRAVITATION isn't produced by the mass, both are consequences of the CHAOS, and the expansion/inflation isn't eternal, respectively isn't exist explosion without implosion.

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