

## Prime Theory - The Universe - Life

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#granularphysics #granularmechanics

"Life" completes my "[Prime Theory](#)" trilogy. This three book series has tried to reveal the true nature of reality, building to this purpose a new theoretical foundation for the quantum physics realm. A complex theory of everything has emerged in this way, whose cornerstone is the granularity of space and its special mechanics. My fundamental assumption in this new paradigm is a very simple one, our Universe is running mechanically at any dimensional level, and therefore all the laws describing the movements and transformations should only deal with this kind of deterministic behavior of matter. As we, some living beings with reason, are also a part of this mechanical Universe, we all are *functioning* the same way. "Life" tells the grand story of evolution, showing the causal transformations of the granular essence into particles, atoms and stars and the role played by randomness in that important chain of events spread across billions of years, which eventually led to the emergence of the first living cell.

The surrounding space, as a granular medium, is continuously crossed by the gravitational fluxes. These directional fluxes are in fact the source of everything; they generated all the particles in the Universe and then connected them by different fields; they also hold together matter (at all scales) and carry out all the energy transfers (as photons or fields). The granular medium was born from a finite and stationary amount of primordial substance - the essence; therefore, all the granules and their structures in motion have a special, intrinsic feature - *the absoluteness*. Any movement, in this virtual but fixed frame of reference, has an upper limitation for its speed value: for granules is  $C$  (*superluminal speed*) and for any other granular structure is  $c$  (speed of light). Seen from this perspective, the motion and all characteristics of the elementary particles can be easily explained. Anyway, these physical confinements and the lack of some fixed bodies validates the theory of relativity, which only may be correctly applied in regard to absolute, inertial frames of references.

Gravity has now, in this new context, a very simple explanation. The granular mechanics establishes the rules of interactions between the directional fluxes and the ordinary matter. There is no need to add the "dark" matter and energy in this equation, this kind of mechanics extends to any scale, including the galactic or bigger ones. In addition, this big picture now explains the existence of super massive, proto-black holes, as well as the behavior of the younger ones.

Indeed, all these things are describing a mechanical, granular Universe. A basic granular characteristic allowed the particles to emerge and to connect, building in this way the ordinary matter. The same game of movement and transformation allowed matter to combine in different structures, creating substances and materials with different properties. After many years of struggle, the life itself appeared on a blue planet, closing in a certain way the large cosmic cycle of evolution. Humans, the most intelligent lifeform known at this moment, hence have the supreme duty to respect, preserve and improve their existence, to continuously discover, explore and wonder, trying to become a peaceful, normal cosmic civilization.