

## ***Presenting flow-gravity: The accelerating flow of a real something into the inside of masses, as Gravity's mechanism***

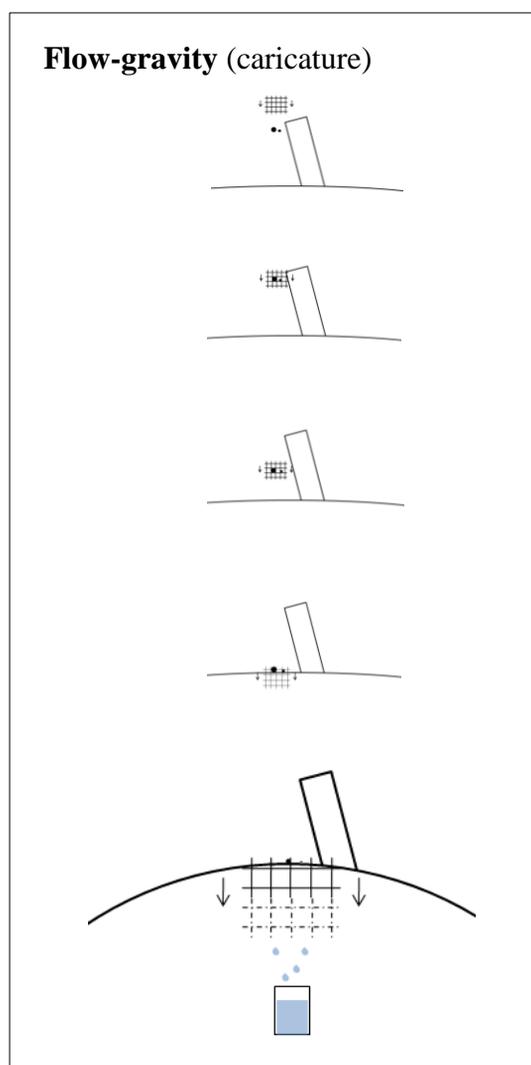
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**Abstract** - > Pure thought brought up and developed an idea that should have emerged in the pre-relativity time: Isn't the "wind of space", in Earth's surface, what we call gravity? The flow of a real something, vertical at the surface, pointed towards the planet's center, and put to accelerate by the convergence of the trajectories (funneling). > The idea found no contradictions, and is actually endorsed by general relativity, because a non-solid can only present a geometry precisely when flowing and being funneled; "\*space flow" instead of "curved space" did not imply in any compromise to equations or experimental tests. > Reflections on the idea naturally led to an all-encompassing mechanical model of the universe.

**Key words** - \*Space Flow, flow-gravity, gravity's mechanism

**The new notion's origin** - Under the influence of Einstein's considerations pointing out the similarities between free falling and absence of gravity in space, the notion for gravity's mechanism gets born in 2009, unexpectedly and unpretentiously, as "a motion of space itself". It quickly evolves; first to "flow of a real something", after that, by factoring in the converging trajectories towards the center of the planet, to "accelerating flow of a real something", and, finally, to "accelerating flow of a real something constituted by filaments".

**The notion of a flow is inescapable** – Just because the innermost portion of celestial bodies do contribute to their total gravitational pull, one has to admit a flow: \*Space flowing inwards, or else an intangible "gravitational power" flowing outwards and acting upon another intangible thing, "space".



**Early positive signs** - Conceived, the new notion immediately explained, in its organic fashion, the equivalence between inertial and gravitational masses (Albert Einstein: "The general theory of relativity was born, first of all, from the desire to understand the equivalence between inertial and gravitational masses"). It also replaced the "pull from a distance, through nothingness", for the more natural push, originating in the contact between real things.

**Original idea** - Had it been offered before, and, more specifically, had it been offered before the theory of relativity, the notion would have assumed the form of: "Isn't gravity the wind of ether?", which seems to ensure that this idea wasn't yet evaluated.

**General Relativity does not clash with flow-gravity, GR endorses the new notion** - The conclusion that gravity comes from "curvatures in space" treats space in the likes of solid materials. But space is not a solid, is it? The geometry for gravity in GR also matches perfectly the *flow, funneling and acceleration* of a fluid-like something. "Curved space" can be replaced by "\*space flow", with no prejudice to equations or experimental proofs. To do a quick comparison between the two notions, let's see how well they can answer the following questions: "How do masses generate gravitational fields?" "How does the gravity generated by the innermost portion of celestial bodies pass through the most peripheral layers to reach space?"

"How does an individual atom generate gravity?" "How does gravity act at a distance?" "Why does it impart an acceleration?" - the list could go on and on. The notion of space curvatures answers none of these questions, while the notion of \*space flow answers them all, and does so very naturally. Further development of the idea also did not encounter barriers.

### **More promises**

> In the flow-gravity light, gravitational pull and universe expansion are seen completely harmonic, sibling effects of a primary phenomenon, which would be \*space pressure.

> The continuous flow into the interior of the planet naturally constitutes in a plausible origin for Earth's water, and also for the hydrogen levels increasing with depth (Kola well).

> The flow-gravity notion implies that from a hypothetical removal of the substance to whose flow it attributes gravity, the coalescence of the celestial bodies involved must result, thus allowing the all important rejection of the macroscopic emptiness notion (vacuum / space), which paves the way to understanding all the universe fundamentals.

**Conclusion** - Regarding its relation to physical reality / cosmological implications, the theory of relativity is open to a most significant improvement. The question of gravity not to come from a geometric state of "space", but from the flow of a real something, shows potential to revolutionize the whole of physics.

\*A note with an invitation still follows.

### **All-encompassing model**

Following its conception, the flow-gravity notion was led to confront fundamental phenomena, so that it could be sooner discarded. But on the contrary, it generated organic models for every one of them. Each new part of the model harmonized with the already existing ones without any need for adjustments, compounding a bigger model that seemed, in resemblance to jigsaw puzzles, not to have influence of the author. After a period of 8 years, a comprehensive model existed: An organic, machine-like model, in which parts that move and touch each other give raise to all the universe phenomena. Not only the fundamental phenomena can be verified, but also their correlations. Even time and energy, seemingly immaterial concepts, appear from parts moving and interacting with each other like in a machine. According to the model, "time" is our interpretation of continuous emergence / creation, going on universally at the atomic level, and "energy" is how we call the effects of the process' inherent pressure. All the following can be verified: a speed limit for material bodies, the equivalence between this limit's value and that of the speed of light, the existence of an energy associated to motion, constant speed motion resulting from an impulse, and also the correlation between time and energy, that will be validated if you agree that the state of a universe deprived of all its energy will be equivalent to "standing still in time" [the last correlation can be found reflected in the model even though the notion for what we call time had been one of the last to appear, and the notion about energy (as \*space pressure) had come up practically along with the initial idea].

\* Feel free to contact this author if you wish to make a comment about the notion of flow-gravity, or wish to gain access to the complete model (250+ pages, "\*Space Flow") [brastap@gmail.com](mailto:brastap@gmail.com).