

# Is Physics a Cult Operation?

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Physics community enabled the research to the state of wishful thinking, not realizing whether the work being funded, theorized and published makes any sense. This campaign is to demand an apology from physics community for spreading false narrative as science for over a century. Sign the petition if you are from general public or other branches of science demanding an apology from physics community, and sign to offer an apology if you are from the physics community.

Gravity has been described as if it has nothing to do with the expenditure of energy. However, a sheet of glass shatters when placed under a falling rock and gravity is needed to sling shot a spacecraft for acceleration - both examples of how gravity is used as energy. The physics community conveniently continues to describe gravity with a strange characteristic of space time curvature. Physics community resorted to this gross mistake because they were not able to visualize the source of energy in the case of gravity induced dynamics.

The following observations are also a proof that the prevailing understanding of gravity in academic circles is not correct:

- One of the objects in Saturn rings moves faster than its surrounding objects, a violation Kepler's 3rd law of planetary dynamics.
- Pioneer space crafts traveling at the edge of the solar system are slowing down and have no convincing explanation to date.
- Galactic rotation curve which denotes that the stars further away from the galactic center are revolving faster than expected.

All these exceptions to the present description of gravity do not appear to be a concern to the physics community. There are well positioned placements, sufficient funds for research projects, articles published and awards being given - what else is required of the physics community? All they need is to maintain the status quo.

The behavior of the physics community much resembles a cult, which is a closed entity with blind belief in a rigid set of rules. For one to enter, an existing cult member has to approve the admission. Is it possible for an individual who has an opposing view to what the cult beholds, to be admitted? Not possible. In the same way, physics is ensnared in a cult like rigid rules only academia could understand. There is no place for opposing views. Journals will not publish the new concepts if the existing cult member

does not approve it in peer review. Strangely, even the preprint servers reject the submission of articles. Within this cult, general relativity appears to be even more elite club. It was mentioned that only three members of the cult were able to understand the concept. Because the theory is being around for over a century, we can safely assume that all those three members are now deceased. Still, we hear the triumph of general relativity in research papers at least once a month.

Why have we ended up with false notion of gravity rather than a convincing one? It is because we have flawed definition of mass and a gross misunderstanding of the relation between the force, power and energy. An alternative hypothesis, that's been around for over a decade, explains that a compact object exerts more gravity than a loosely packed object with same amount of material. For example, the powder of a rock weighs less than the rock from which it was generated. The energy required to crush the rock will account for the deficit in mass in the powder.

The concept of force gives the impression that it is infinite. Two forces acting at a point results in a resultant force in a perpetual manner. But how long the forces continue to act at that point depends upon the energy source exerting the force. One person could carry a bucket full of water to a meter in distance in a second and the other could carry it to a distance of 10 meters in 10 seconds. Here, both will expend same amount of energy in a second to carry the bucket but the distance carried depends upon the endurance or the energy capacity of the person. The component in the study of statics and dynamics is always energy and its expenditure in the form of power.

There is no such thing as force. Addition of two forces acting at a point always less than the resultant force. If the force is a mere energy source then where the difference in energy is disappearing when two energy sources acting at a point? The resultant energy is used to displace the object. The difference in energy, I call it as differential energy, acts on the object itself in destabilizing its internal structure. When two energy sources act on an object, the object does move in a line for a distance but the differential energy will break the object at some distance.

If the earth's gravity is energy source then where does it exist? When a satellite goes around the earth, or when a rock falls on it due to gravity, the energy comes from the compact liquid core as it solidifies in the inner core similar to compact water releases energy when it solidifies as ice. When the whole body solidifies, the energy comes from slow disintegration of the object. All these concepts were discussed in my decade old book called Gravity from a new angle.

Unlike a cult operation, where the cult spends its own money in what they believe, research in physics is supported by public funding. They have an obligation to act responsibly, instead academia has been collectively teaching a false narrative as science for a long period. Physics has been assumed as the mother of all sciences. If physics itself is not correct, then what about theories in all the other branches of science which depends on the physics.

For enabling the research to the state of wishful thinking, not realizing whether the work being funded, theorized and published makes any sense, all the entities involved in this circular appreciation needs to apologize to the entire humanity. It should start with the apology from all the entities involved in physics for their lapse in responsibility, that includes funders, researchers, publishers and award committees. It is the time to bring the change to how we explore the science for the sake of science.

On this day of October 29th, 2022, I am starting this campaign for public to sign demanding the physics community to apologize for spreading false theories as science, suppressing alternate explanations, and hindering the progress of science for over a century. I also request the entities involved in the false narrative to sign the campaign offering an apology. That includes the heads of research institutes in physical sciences, university heads of the physics departments, heads of funding sources which supported the research in physics, heads of physics journals, award committees for physical sciences and more importantly the physics community in academia.

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