

# Gravitation is a wrong idea of physics

Free

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Gravity does not exist. This must be replaced by the idea of buoyancy, which is described with **Archimedes' principle**. I introduce the notable idea "**Tamura's theory**" in this paper and we must reconsider the fundamental physics with the idea.

## 1. Introduction

Gravity, which is a force between anything and anything other, was first suggested by Isaac Newton. It is famous that he has noticed the force with seeing falling an apple. Although the idea of gravity was improved by Albert Einstein as the general relativity, which is too strange to be considered as the theory we describe this world, gravity is now big problem of fundamental physics.

Gravitation is a deception with three reasons [1].

- Graviton, which is the evidence of gravity, has not been founded. I cut an apple but I cannot find the evidence of the existence of gravity.
- Newton said "**the law of gravity is a defective idea.**"
- Einstein thought so. Einstein made the equation of gravity by the general relativity with using the Riemannian geometry. He is also not using or seeing the direct evidence of the gravity "**Graviton**".

Saburo Tamura has shown a theory that he called Tamura thermodynamic grand unified theory, which is written as "**Tamura's theory**" in this paper, in Japanese [1,2]. I review this theory.

## 2. Archimedes' principle

Archimedes has already explained any phenomena, which are explained with the gravity idea in these days, with his buoyancy principle. He did not use the mechanics or the idea that is corresponding to gravity or gravitation in modern people.

The principle is explained as below. The force is decided by the atmospheric pressure field. Especially, the gradient of the field makes these specific gravity phenomena.

Anything that is lower density than the peripheral substances is floating to balance the density.

## 3. Tam's theory

I consider that everything must be considered with the principle and it leads to **Tam's theory**. I suggest that we should improve the idea "**Weight**" and we make a new idea "**Lightness**." The weight is corresponding to the downward force and the lightness is the upward force. These force is decided by the gradient of the atmospheric pressure.

I have studied the reason why comets have tail. The phenomena are an evidence that the space is not vacuum. There is little but nonzero air and the surface pressing caused by friction between the air and the comets makes the tail.

#### 4. Conclusion

The perfect vacuum does not exist in any spaces or any boxes. The Archimedes principle is applicable for any phenomena.

Mathematics cannot be the evidence of any physical phenomena but the only substantial evidence may be explain them.

#### 5. Reference

[1]<http://tamurasaburoou.seesaa.net/category/22254940-1.html> (in Japanese)

[2]Saburo Tamura et. al, **“The seven deceptions that foiled science - Newton and Einstein-”** Tokuma Shoten (in Japanese)

#### 6. Acknowledgment and comments

Saburo Tamura have insisted on the rightness of his strange notion in 2017 Gogatsu-sai. He have not tried to write a paper about his idea in English and so I have written it instead of him. His idea seems a kind of the principle of locality. Gravitational force is an example of nonlocal interaction, which has no mechanism, but the gradient of atmospheric pressure is caused by the atmosphere, which can be explained by the substance, and it is local.