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Twisters and Traveling Higgs Bosons, Unify General Relativity and Quantum Mechanics, and Explain Dark Matter

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Main theories: Loop quantum gravity, Strings, Twistor (Penrose), Einstein's Relativity, Newton "Universal Gravitation", etc.

How to start the research? Looking for a common natural phenomenon in our world that produces attraction; Tornados and possibility of extending it to atom behavior to understand how this conduct can produce attraction.

The results obtained are discovery of a reasonable theory of gravity. And a surprise: this theory (Twisters and Traveling Higgs Bosons) is able to explain in a logical way Dark Matter mystery.

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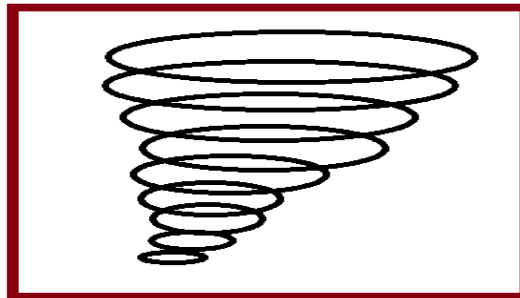
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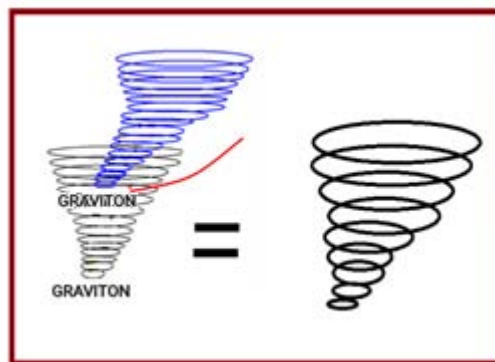
I. HIGGS BOSSON AS A TWISTER

To begin with, let us look for a natural phenomenon that produces, attraction.

After years going around it, I remembered a natural phenomenon that produces attraction: Twisters.



Considering Higgs Boson as a twister capable of attracting what it has around; if two Higgs Boson intersect, they would unite their tornados into a more powerful one.



And so on indefinitely, in such a way, if a large number of Gravitons join, we would have a Planet, Star or a Black Hole.

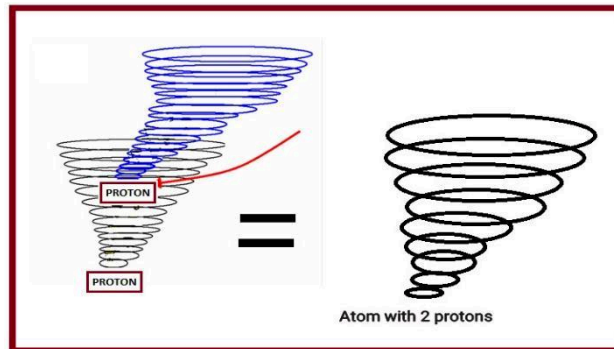
This system would lead us to a new problem, "Lumps" would form Gravitational foci everywhere, and this is not how we observe existent reality in our environment. Which brings back to started point.

Consequently, Higgs boson as a twister idea must be abandoned, however Twisters can be applied to another nature force: "ATOMS".

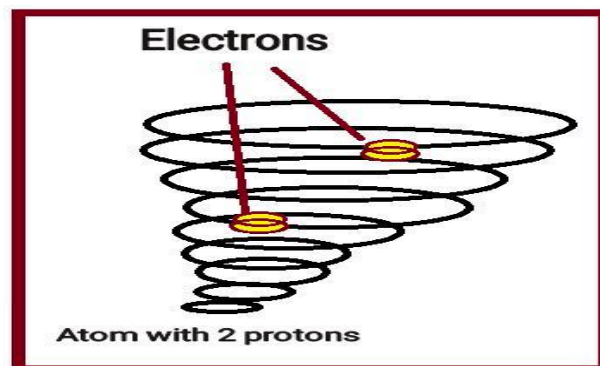
II. ATOM AS A TWISTER

Imagine a proton is a rotating particle (with spin) and creates twisters or spiral around it, capable of attracting particles on its environment.

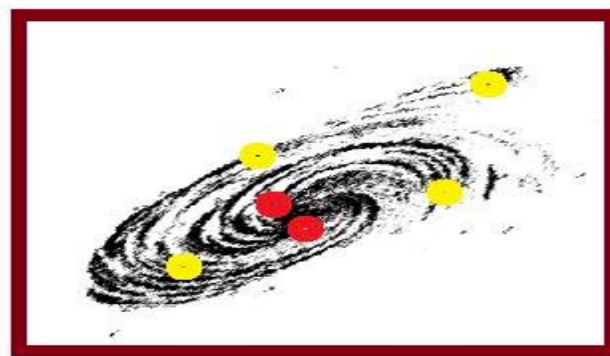
The reasoning would be similar as presented previously with Higgs Boson:



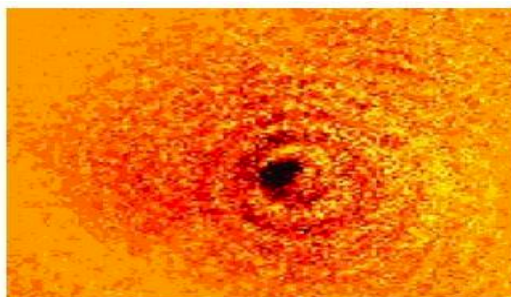
This would be a graph of formation process on stars of Helium element by fusing two hydrogen atoms. Atoms would capture in their tornado a number of electrons proportional to Tornado's force.



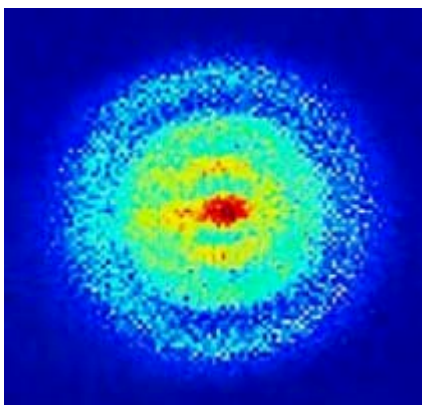
Observation of atomic tornado from above and its spiral shape. Protons in red color and electrons in yellow.



Spiral shape fits with latest atoms observations:
"Ytterbium photo of atom obtained at Griffiths University in Brisbane, Australia."



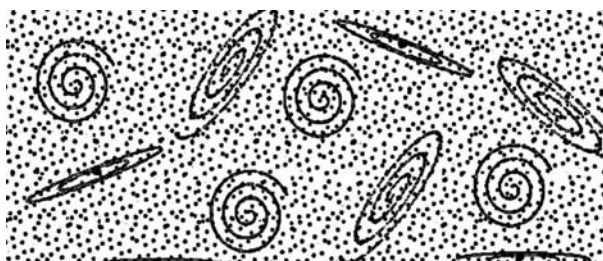
"Quantum microscope," by Aneta Stodolna, of the FOM Institute for Atomic and Molecular Physics (AMOLF) in the Netherlands and her colleagues.



III. HIGGS BOSON COVERS UNIVERSE

"Standard Model": Affirms the existence of a tiny particle that carries gravity and today we call Higgs Boson. Entire Universe would be full of these Higgs Bosons, since gravity force is manifested throughout them.

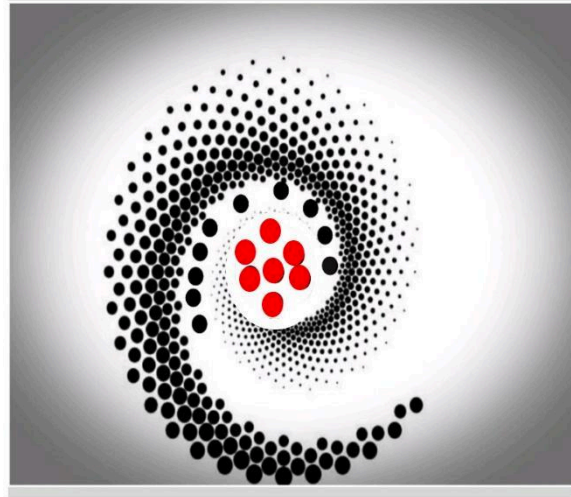
In Black Holes vicinity, there would be a large number of Higgs Bosons, and in empty space, there would be a minimal number of these Higgs Bosons. The Higgs Boson would be present as a blanket that would cover the entire Universe.



This blanket would reach not only intergalactic empty space, but also stars and planets; it would wrap everything around us and ATOMS that make up matter.

IV. GRAVITY MECHANICS

As we have previously described, atomic nucleus's protons form Twisters, which not only attract electrons to their atomic spiral, but also attract Higgs Bosons. Let us see it graphically:



(Protons in red on atomic nucleus center). We observe how an atom with its spiral drags Higgs Bosons inside it. Collects them on higher density side and transports them to opposite side.

These Bosons hit atomic nucleus protons on the opposite side to which they were collected, and hit protons modify their position and due to its spin, atomic spiral moves to the side from which Bosons were initially captured.

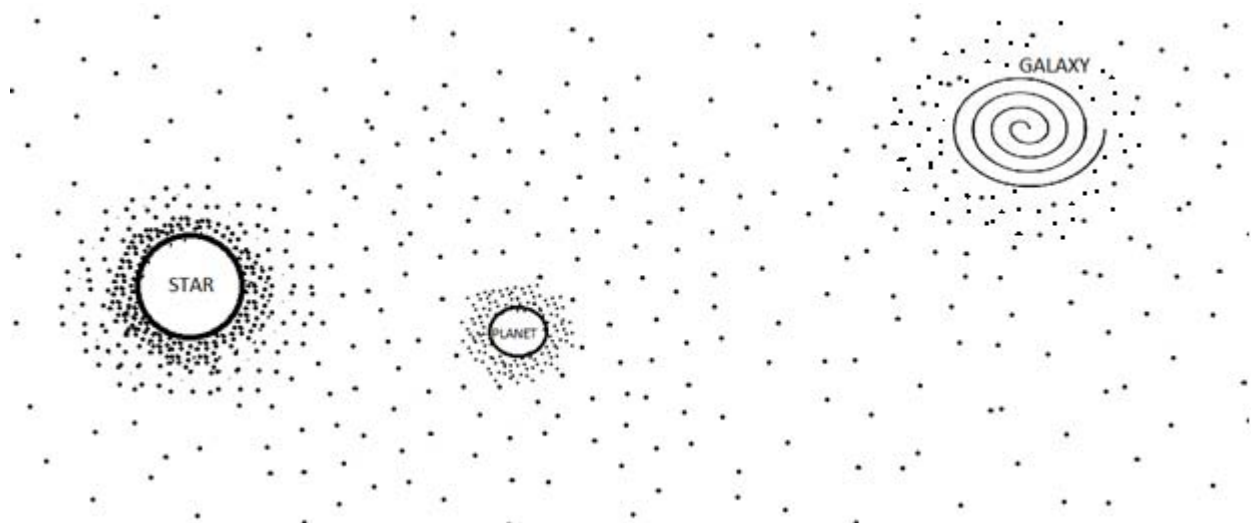
This simple and graphic mechanism is what explains Gravitational Attraction.

Higgs Bosons roam the physical medium and are captured by the atom on area of highest density and hit the nucleus protons from the opposite side producing attraction.

The atom is thus capturing on one side and expelling excess Bosons on the other.

Atoms, molecules and materials, thus become binders of Higgs Bosons so that in the vicinity of objects with atoms and molecules, whether they are planets, stars, Black Holes, there is a higher density of Bosons expelled from the atoms and wandering around their surroundings.

Higgs bosons concentration is dispersed and decreases as they move away from gravitational foci: (Stars, planets, etc.)



That is why I have called this Theory "TWISTORES AND TRAVELER HIGGS BOSONS".

Bosons would also wander through what we call Empty Space, although there, for reasons of distance from atomic foci, they would have lower density than on vicinity of stars and planets.

Stars, planets and galaxies, move at great speed through Cosmos. (Our own planet circles Milky Way center, traveling enormous distances).

During their journey, these stars and galaxies are agglutinating in their environment Higgs Bosons that they collect with their atomic spirals along the way.

But can this theory fit with current experimental physics?

The first deduced consequence is that Gravity would only affect atoms and not empty space that didn't contain atoms. This idea has not been my invention, but it is a consequence of the proposed theory, that led as to consider that gravity only affects bodies made of atoms.

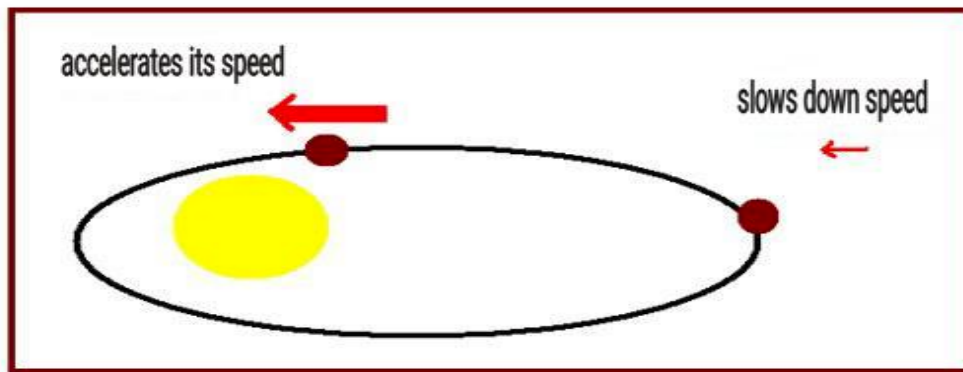
The other fundamental consequence would be that this "Twisters and Traveling Higgs Bosons Theory" would not only explain Gravity but would also reveal one of main mysteries of current Astrophysics, such as Dark Matter.

V. DARK MATTER

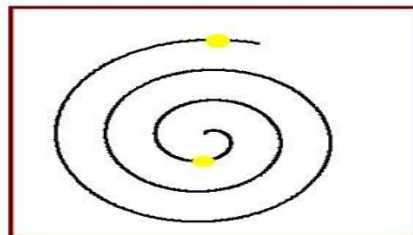
Dark Matter was proposed by Fritz Zwicky, in 1933.

According to Kepler, Solar System planets travel an elliptical orbit; when approaching Sun, they accelerate their speed, and when moving away they slow down their speed.

This occurs due to the greater gravitational attraction exerted by the Sun in its proximity and less attraction in the distance.



The same should happen in galaxies and distant stars from the center should rotate around galactic center at a slower speed than nearby ones, since there is a super Black Hole in the galactic center that acts as the Sun on Solar System.

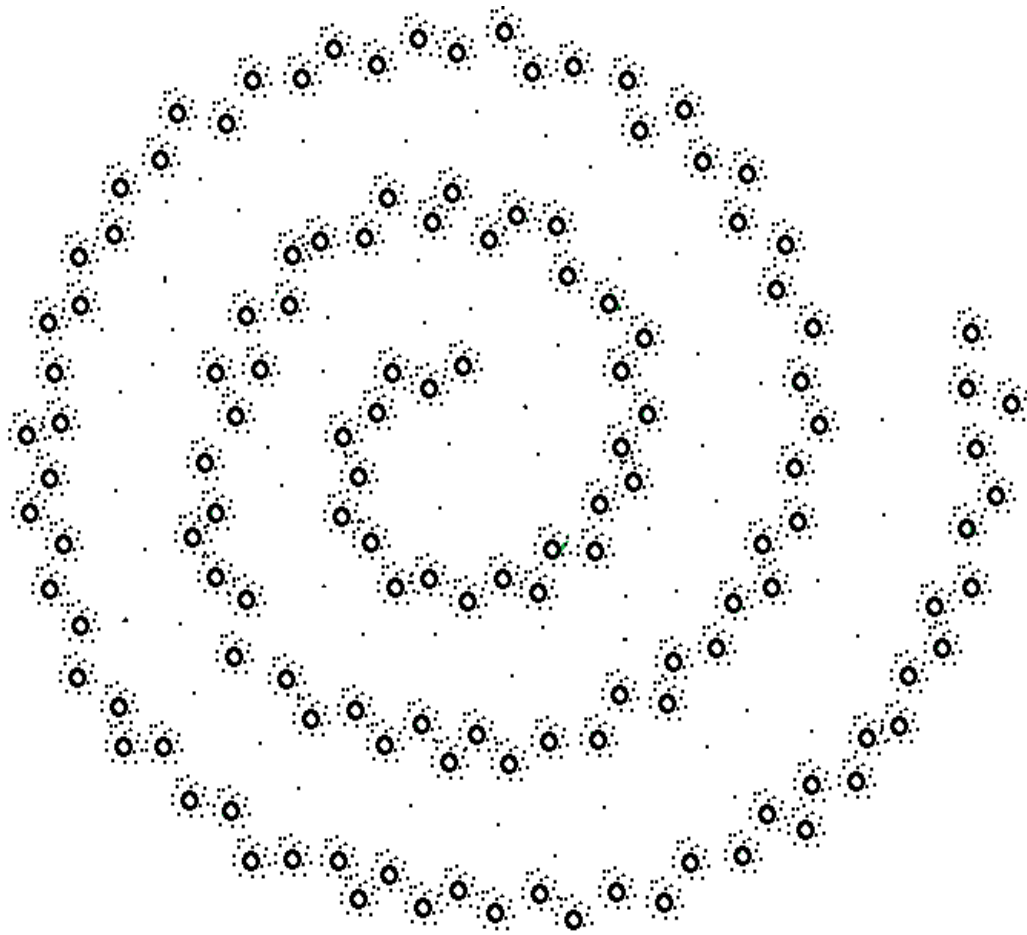


Around the year 1970; The astronomer Vera Rubin was surprised to observe the rotation of the galaxies, stars rotate around the center in reverse in terms of speed: faster those far away and slower those close to the center.

Most of the scientific community said that this was due to existence of unobservable matter on Galaxies that are not stars and that produces necessary attraction for stars in the galaxy to behave like this (Dark Matter).

"Twisters and Traveling Higgs Bosons" would give a more reasonable explanation for this phenomenon: Higgs Bosons would travel from centers of greatest concentration; planets, stars, galaxies, Black Holes and they would blur into empty space. In such a way that they would arrive from one star to another in little concentration, but in an enormous extension of Space. The nearby star would detect this huge expanse of Higgs Bosons in low concentration from the other nearby star and would be oriented towards it.

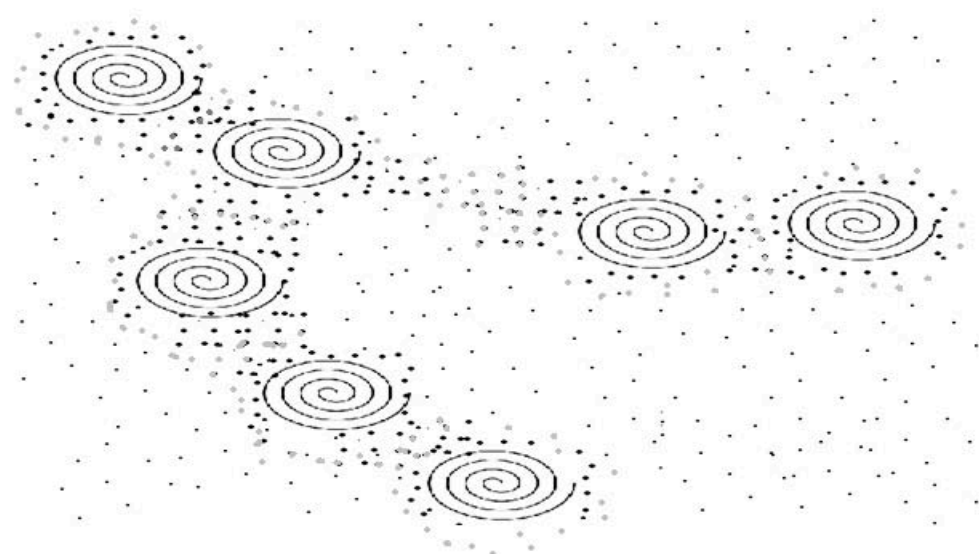
This would be the explanation of why the outer stars of the Galaxy would move faster, they would simply be oriented and anchored to the Higgs Bosons coming from the closest stars.



Galactic arm schematic formation

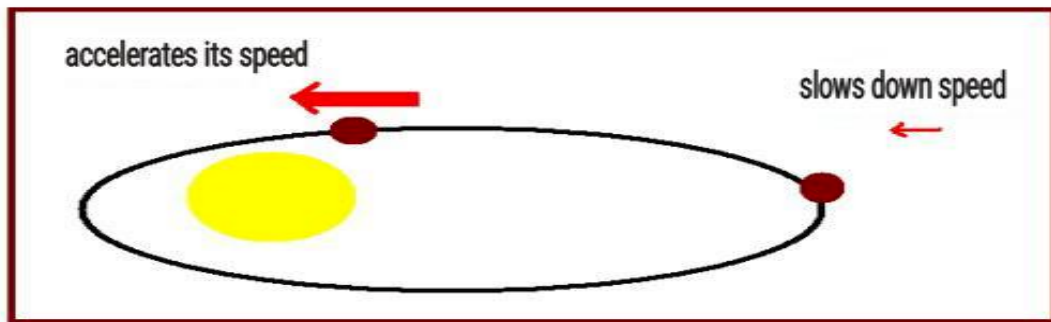
VI. GALAXY FILAMENTS

This would also occur at Galactic level: Galaxies would detect little concentration, but much extension of Traveling Higgs Bosons coming from nearest Galaxy and despite little concentration, it would be oriented towards it or rather, both would be oriented towards the nearby galaxy leaving both anchored to each other on its movement. This would be ultimate cause of Galactic Filaments formation.



VII. HISTORICAL REVIEWS OF GRAVITY

Isaac Newton presented his law: "Two bodies attract with a force directly proportional to product of their masses and inversely proportional to distances square that separate them", and Kepler used Newton's Law to correctly describe planets motion around the Sun.



But this system seems to have failed in certain cases, since Mercury orbit, was more eccentric than derived from Newton's Law.

This orbit aberration was studied by Einstein who with his "Space-Time Fabric" was able to adequately formulate this behavior and thus extend Newton's Law to proximity of massive foci.

It seemed that formulas that described Gravity were already completed with Einstein and could be applied to entire Universe.

Gravity described by Einstein was very precise and was constantly being verified with countless experimental observations, but suddenly DARK MATTER appeared, but instead of questioning Einstein's space-time fabric; matter observed on sky where questioned. There had to be a matter that was not seen and supported stars in their Galactic motion.

Newton's and Einstein's gravitational attraction formulas: were made without considering gravity's ultimate causes, and cannot explain Dark Matter.

However, "Twisters and Travelling Higgs Bosons" theory, first investigates gravity's ultimate causes and applies them to atom and the Universe, and fits with gravity's behavior on both.

"Twisters and Travelling Higgs Bosons" theory solve Dark Matter mystery without thinking a priori about such a problem, and Dark Matter mystery's solution supports this theory.

"Twisters and Travelling Higgs Bosons" theory explain planet's orbit on Solar System, eccentricity of Mercury's orbit and galaxy's outer Stars motion as well as galactic filaments.

In other words, it would encompass Newton's Laws, Quantum Mechanics, Einstein's General Relativity, and Dark Matter.

New Universal Gravitation Law would be:

"A body is attracted by surrounding medium with a force directly proportional to density of Higgs bosons around it".

Assay registered on Intellectual Property Registry, Madrid, Spain.

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BIOGRAPHY



Angel Perez Sanchez was born in 1961 in Madrid, Spain and studied at the Comillas University (ICADE) (Madrid-Spain), obtaining the title of Business Lawyer in 1986; Independent researcher, scientific writer.

Books:

- “Unveiling the Mysteries of Magnetism”
- “The Book of Evolution Evolutionary Memory”
- “Finally, a Reasonable Theory of Everything”
- “The Essence of the Crystal”

~ Member of the RSEF Royal Spanish Society of Physics.

~ Member of the CEMAG Spanish Club of Magnetism–

***“Best Presentation” Award at the International Conference on Accelerated Universe, Dark Energy and Expansion Models ICAUDEEM in October 2023 in London with the presentation "Consideration of Starlight Waves Redshift as Produced by Friction of These Waves on Its Way through Space" "On journal “World Academy of Science, Engineering and Technology”, on 2024-10-09.

***“Best Presentation” Award at the International Conference on Condensed Matter, Diamagnetism and Paramagnetism ICCMPDP in August 2023 in Barcelona with the presentation “Magnetic Lines of Force & Diamagnetism” MAGNETIC LEVITATION/Magnetic Lines of Force and Diamagnetism (waset.org)/

Other papers "Consideration of Magnetic Lines of Force as Magnets Produced by Percussion Waves" on journal: World Academy of Science, Engineering and Technology on 6-9-2024.