

Terminal Theory

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Abstract

This is a new scientific theory, studying different terminal effects of all objects. Starting from macro-scale objects ending to Nano- scale particles, depends on the terminal shape. Thus, we want to focus on the effect of the *terminal* and its *transfer effect*.

After studying a known phenomenon, we can find a solution of unknown problem. By using this new theory, we can combine and simulate a more sophisticated process with simplest one. Also, we can invent new materials with a new terminal shapes have new properties, after find a new way to produce and control the atomic shape.

This new theory, is so wide and deep, and we can apply it on the most physics, communications and other branches, and we can find a new effect of the objects. Specially, atomic scale, because, we can modify, manipulate and Tailor the shape of new materials as we desire. Everyone knows the terminal theory and its effects is exist, but no one refer to it, like the gravity is exist before Newton refer to it.

Introduction

We can find the Terminal Theory effects on the all science disciplines and it is exist, but no one declare it or mention it. For instance, Biology, Physics, Chemistry and Computer science. Through this new theory we can combine the most complex operation with easiest one by using the Terminal Effect Transfer (TET), also we can study the terminals only and we can get information about the middle process. If we remember the electrostatic charges concentrate on the sharp terminal, also for classic mechanic, if the Newton's apple was pear, what happens with the apple-pear rolling and what is the terminal effect for both cases?

We can control the solid materials atom's terminal and study the electronic properties effect according to the terminal shape. e.g. spherical atoms differ than oval or pear shape.

Daily life example for terminal advantages; Everyone tries to buy a new car, asking about the engine, trade mark, color, accessories, new technologies...etc. no one asking for the terminals (bumpers) which it safe our life, all of them asking about the core leaving the terminals. Other part in the cars depend on terminal effect transfer, exhaust pipe in the engines are very useful to reduce noise and pollution.

By applying this new theory for the huge number of phenomenon we can find solution and explanation of the unknown one. i.e. by pass water or any fluid with known speed and viscosity at the terminals of the hose, by make calculation from other terminal, we can find out the length of the hose or earth deepness.

Macro Effects

The electrostatic charge distribution around pear-shaped conductor, the sharp terminal has higher charge concentration also, stronger field than other side, as in fig.1-

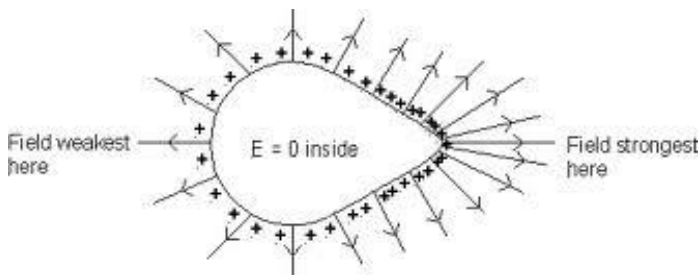


Fig. 1. Charge distribution around pear-shape conductor.

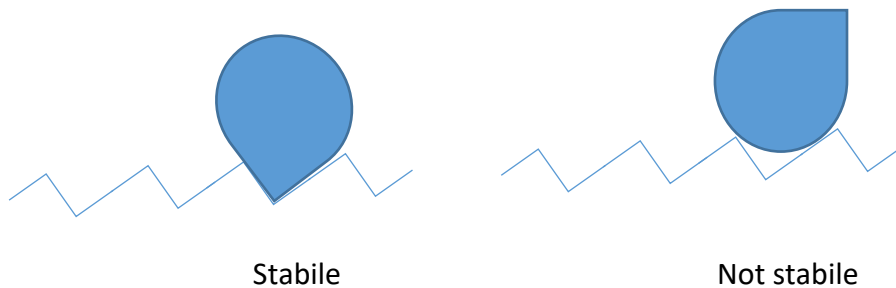


Fig.2. Different terminal effect on the object stability

The terminal effect on mechanic as moment of inertia, gives rise to stability for proper shape in specific direction.

We can combine the most complex procedure to send a space ship to fix a satellite in an orbit with most easy way, it is drink a glass of water by using a straw. Maybe it is a philosophical example, but it is one of the Terminal theory branch, it is Terminal Effect Transfer (TET).

Space lift

In a fictitious thinking, if the human being has a long flexible hand to transfer and fixed a satellite in its orbit, we not need to send a space ship or rockets to do that, by sending a space ship, we transfer our terminal effect and put what we want in any orbit around the Earth. In

other hand, if we want to drink water by using a straw, we transfer the water's terminal to straw's terminal.

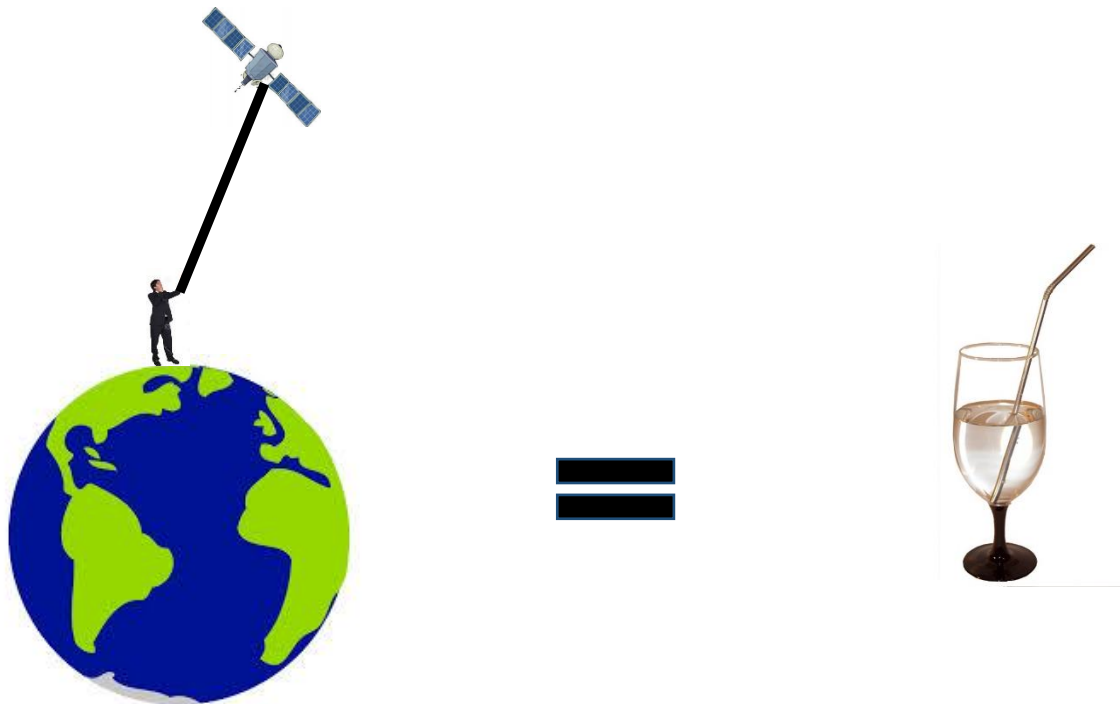


Fig.3. Terminal Effect Transfer simulation

By this simple and imaginary example, we prove the Terminal Effect Transfer existence and we can solve an unknown phenomenon by using this concept.

Kirlian photography

Anybody has special glow around the body, it's different from one to other also from time to time and from mode to another. Kirlian photography is a manner to show this biological glow by using electromagnetic fields to photo.

This glow is electromagnetic energy radiates from the human body but condense on the terminals. Some body can move things by concentrate on it, the science explanation it is the effect of radiation pressure, when we put Ping-Pong ball in the space neglecting the gravity force, we can move it by applying light beam with intensity. That is radiation pressure, the result of light duality nature- practical and waves. We can transfer terminal effect concept to move solid things.

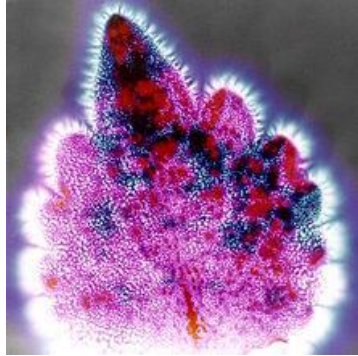
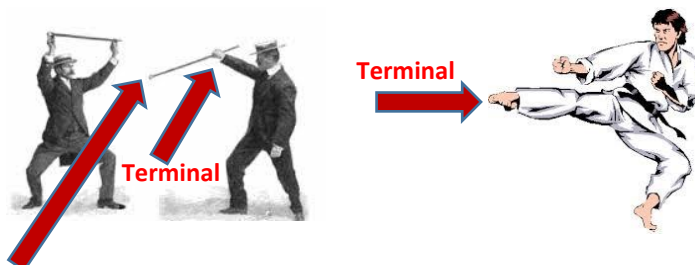


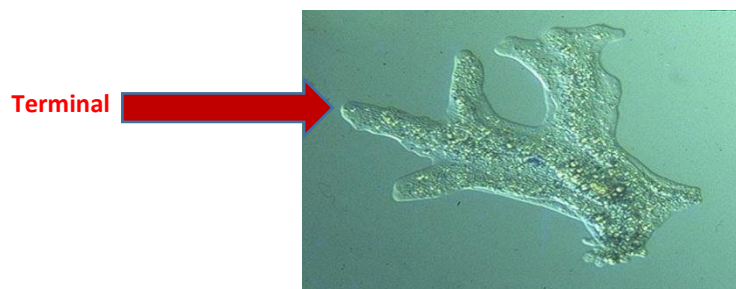
Fig. 4. Kirlian photography

Since the ancient eras, human being used hands and feet for catch, eat and defense and it is the important part of human body also we can transfer the terminals effects (hands or feet) by using a tool with length.



Terminal Effect Transfer

Also, for one cell creature like Ameba, can't move unless create a terminal to orient its movement.

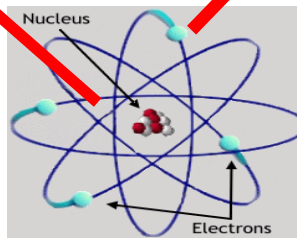


Always we think about the core and give the terminal less importance. As in the fig. we can figure out that the car with rounded bumper is safer than normal car, and we can compare with the nucleus and electrons.



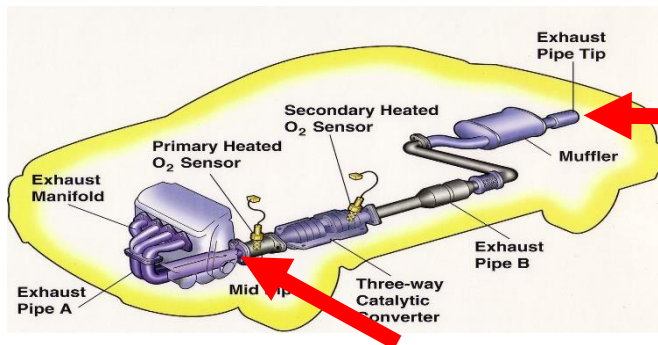
core

Which car is safer?



terminal

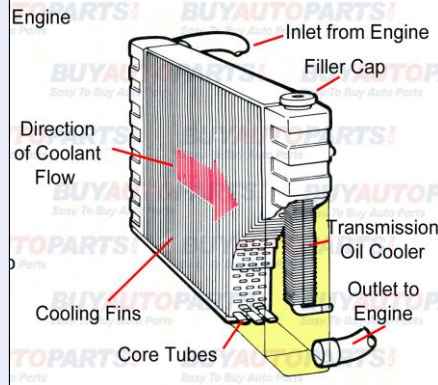
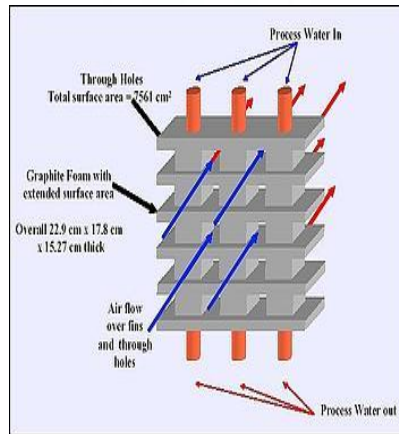
Because, we are through cars topic, the function of exhaust pipe in the car is terminal effect transfer, because, it is reduced the engine pollution and sound.



Terminal Effect Transfer

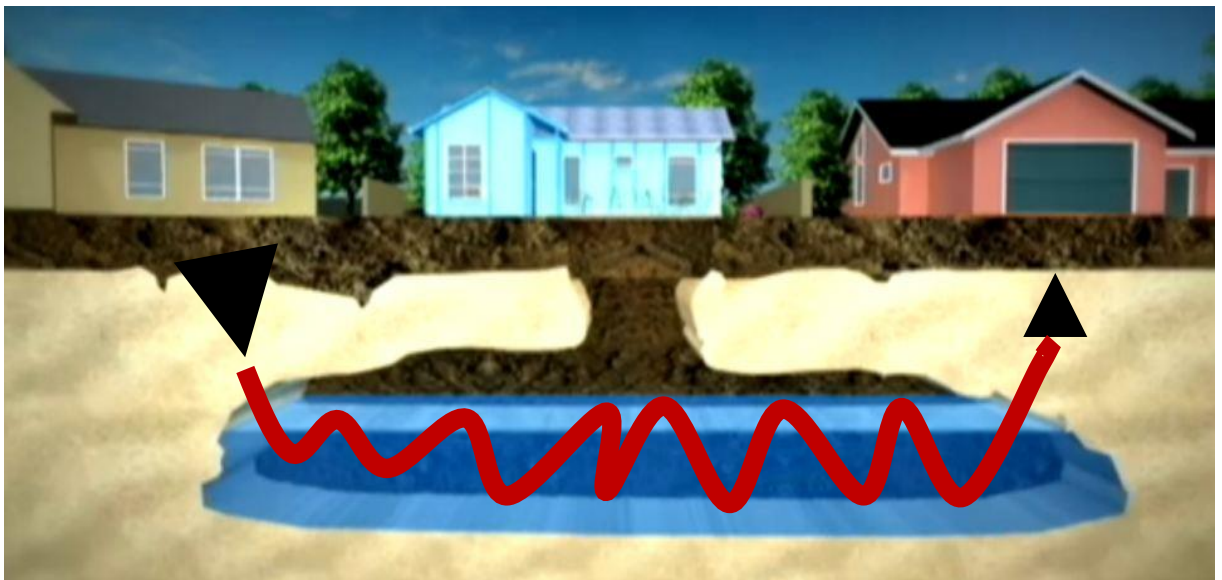
Engine Terminal

Also, the terminal shape of the water radiator in the car, is the terminal effect.



Transfer

And if we have a zigzag hose inside the ground, we can find the length by know the input liquid viscosity and speed.

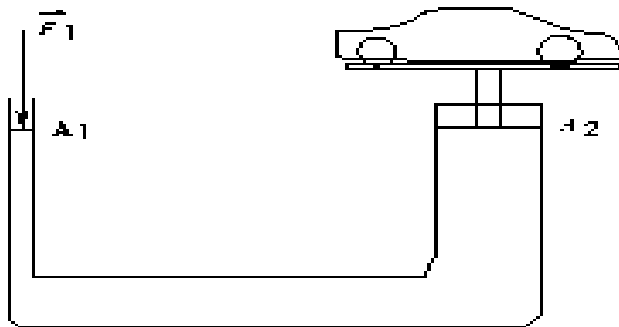


$V_1,$
 t_1

$$X = (V_2 - V_1)(t_2 - t_1)$$

$V_2,$
 t_2

Also, the car lift pump, depend on the terminals.



We have three normal collision types, but we didn't consider the terminal effect collision.

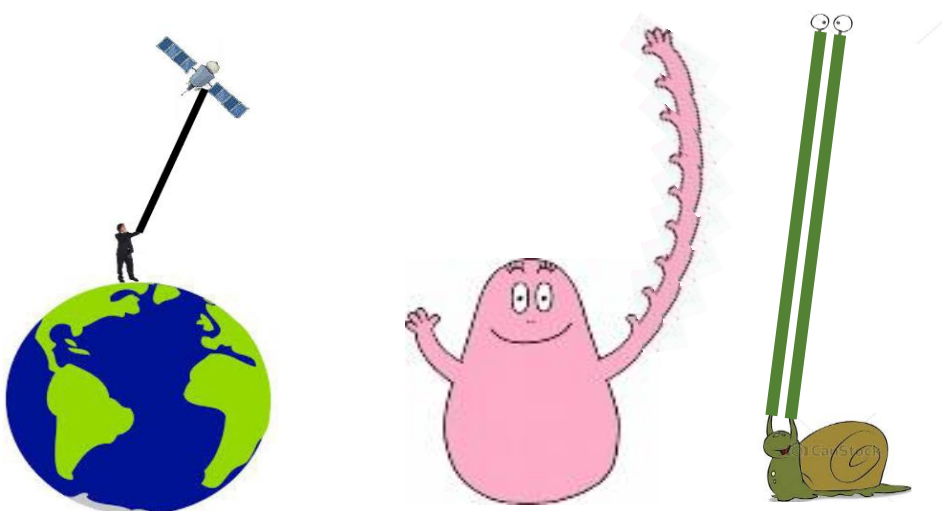
Types of collisions

1. Inelastic collision
2. Perfectly inelastic collision
3. Elastic collision

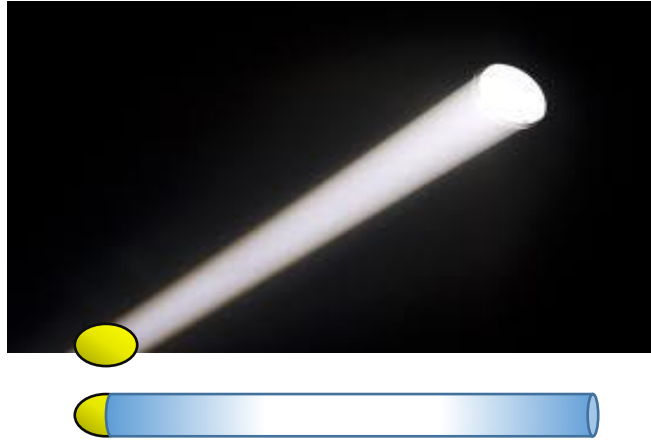
4. Terminal effects collision



If we have long length eyes, we not need Hubble telescope, if we have long hands, not need to send a space ship to fix the satellites.



Gravity Vs Radiation pressure

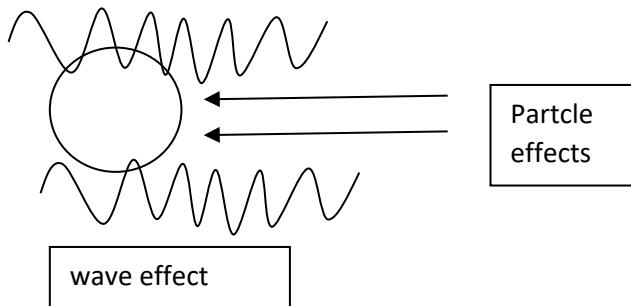


Gravity Vs Radiation pressure

IF we put a ping pong ball in the space (gravity is zero) and then apply a beam of light, because of the particle nature of light (Radiation pressure), the ball will go away the light, but at the same time the ball still in the light beam orientation because of the wave nature of light.

The people who have an ability to bend the spoon by pointing his hand, it is the radiation pressure of the hidden electromagnetic waves according to Kirlian photography.

We can prove the above postulate, there is no galaxy in the dark places, because there is no stars but only planets, that is mean there is no light to catch the planets.



$$\text{TET} \propto d/\eta$$

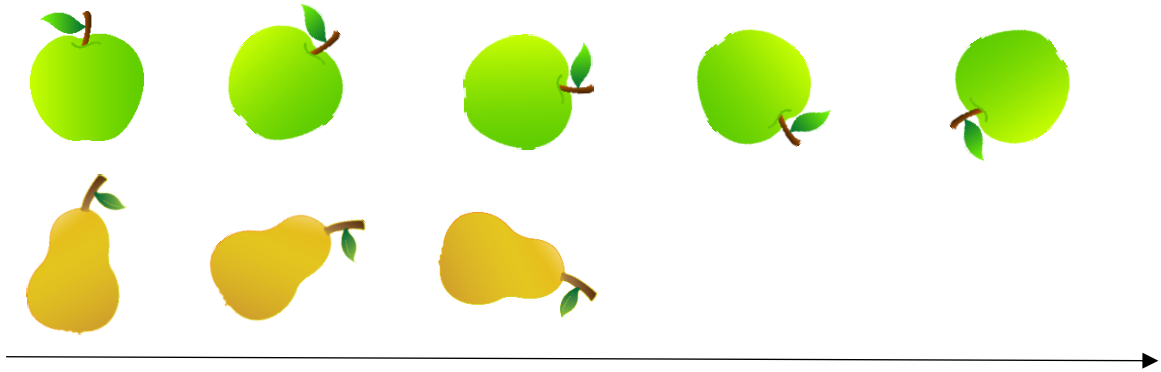
Where d: distance

η efficiency

Terminal Effect Transfer (TET)

Newton's Apple-Pear

If we replace Newton's apple with pear, sure the pear roll less than apple according its terminal shape, that is effect of moment of inertia, but it is in the field of terminal theory effect.



time

Fig. 5. The difference between the apple and pear rolling.

According to the figure 5, we can conclude that terminal effect is exist and need to study it carefully to get a new information about the specific cases.

Nano-scale effects

If we have ability to control the atoms terminals and make it like oval, pear, triangle or any new geometrical shape;

1. What is the new electronic, mechanical and thermal properties for new material with Terminal theory effect?
2. Can we apply Terminal Effect Transfer to the new atoms terminal?
3. What is the final shape of the new materials in macro scale?
4. What is the advantages of applying Terminal theory to product new atoms terminals?
5. How can we control the atoms terminal shape?

Terminal Theory statement

“All objects have terminals capable to control them and it is very important to study also we can transfer the terminal effect.”

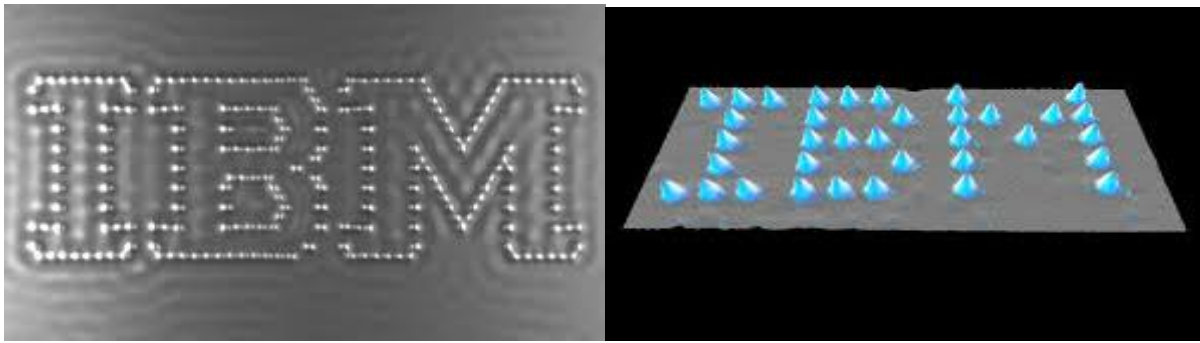


Fig.6. IBM wrote by individual atoms but in different atoms terminal.

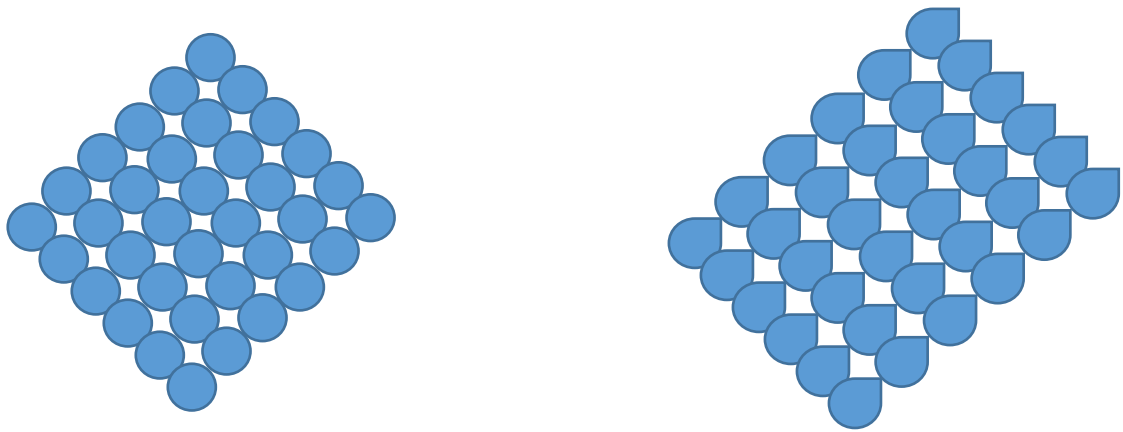
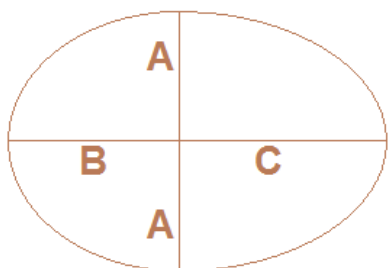


Fig.7. The atoms in two different terminal shape, the pear shape with the same atoms number have the largest area.

For ideal atoms arrangement, we can produce a thin film with one atomic layer with different shapes, as in figure 7, we have larger area of pear shaped atoms than spherical, and we need to study the thermal, mechanic and electronic properties of that new atoms shape. Also, we need to study the advantage for changing the atoms shape.

If we study the egg-like shape, we found the volume with the following formula



A = equatorial radius
B = short polar radius
C = long polar radius

$$\text{Volume} = (2\pi/3)A^2(B+C)$$

$$\text{Always } (B+C) > A$$

Fig. 8. Egg-shaped like volume.

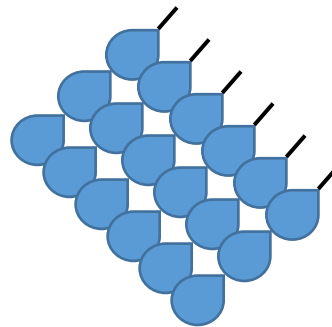
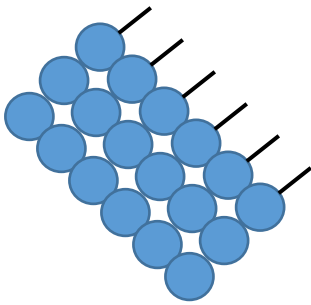


Fig.9. The dangling bonds for both shapes

What is the difference of electronic properties for both cases considering the effect of dangling bonds as Terminal Effect Transfer?

Can we combine between two atoms type? What is the advantage?

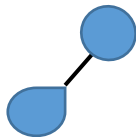
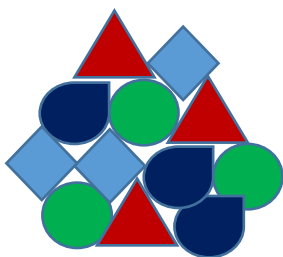


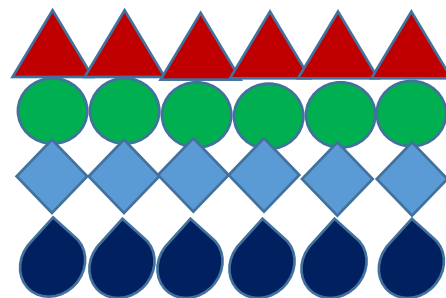
Fig.10. The dangling bonds connect different shapes

Can we produce a new material with different atomic shapes?

And, what is the new properties of this new solid material?



(a)



(b)

Fig.11. (a). Random different atomic shape arrangement. (b). Arranged atomic style.

What is the difference between the random and arranged style?

Can we produce different atomic shape of the same material?

If we use Scanning tunneling microscope, we saw the spherical atomic shape, what is the tunneling effect if we change the atomic shape to pear shape?

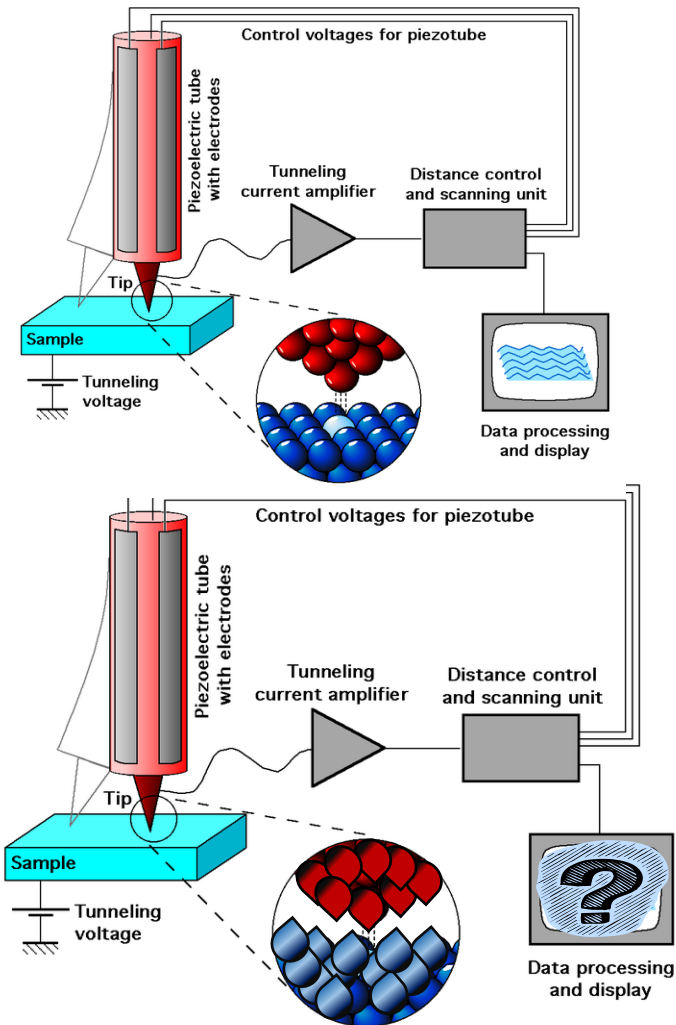


Fig.12. Scanning Tunneling Microscope with different atomic shape

If we study the density of state in three dimension we find Fermi surface with egg-like shape differ than the sphere shape is:

1. Sphere shape

$$N = (L/2\pi)^3 (4\pi K^3/3)$$

Where:

L is the cube side length

K sphere radius

N number of modes

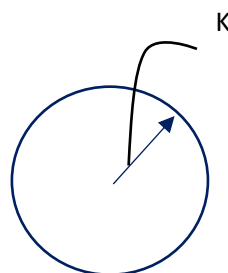


Fig. Sphere Fermi surface

2. for egg-like shape

$$N = (L/2\pi)^3 (2\pi/3) K^2 (B+C)$$

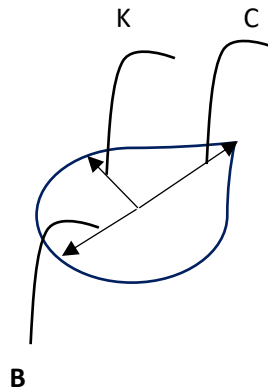


Fig.13. Egg-like Fermi surface

Conclusion

Terminal Theory, is a new theory aimed to study the terminal effect for both macro and Nano scales effects, also needs to study the effect of the new concept of Terminal effect transfer (TET). We conclude that if we success to change the atom shape (bonds type), we can get a new material with new properties, also by connect two or more different shape as well.

Terminal theory it is exist and need to prove it, so that to invent a new physics branch with name: **Terminal Physics**, study the terminal effects and what is the TET effect.

Also, we can produce a new material with more condense property, by fill the atomic gap with another atom with different terminal shape.

References

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