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## The Double

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The present model of the universe accepts the existence of two strange attractors, which can be named as the **physical** and the **metaphysical** attracting centers. All existent entities, micro as well as macro, are capable to interact with both centers through a mechanism which is recursive and instantaneous. The recursive and indefinite aspect of this mechanism is defined as **chaos** in the macro world and as **quantum fluctuations** in the micro world. They represent the fundamental mechanisms of an unfolding and enfolding universe. The physical universe is defined as the realm of particles moving at a speed slower than the speed of light, and the metaphysical universe is defined as the realm of particles moving at a speed faster than the speed of light. Every particle existing in the physical universe has an antiparticle counterpart in the metaphysical universe. So, the metaphysical is also physical, in the large sense of the word.

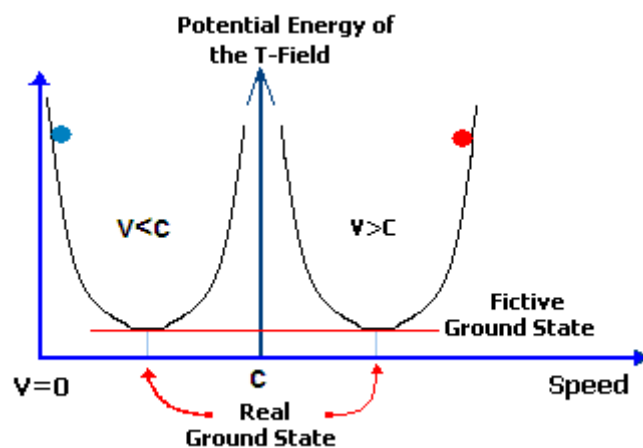
The link between these universes, or equivalently the transfer of information between them is established through the **Tachyophoton** (T-wave) and its anti-wave. Both waves move faster than the speed of light (see Articles **7** and **20**), thus their effect is instantaneous. The T-wave has an attractive effect and the Anti-T-wave has a repulsive effect. These waves are responsible for all kind of interactions that we observe in our universe.

In the scale of human beings these waves are responsible for our intuitions and our instincts. Our instincts are instantaneous reactions to any kind of threat that may affect our physical existence. We call such a reaction the act of **self preservation**, which stems from the most fundamental law defined as **existence** -for non-living beings- and **survival** -for living beings-. Both modes of behavior are linked to the law known as "**the conservation of energy**".

Why is energy conserved?, or equivalently, why does an instinct of survival exist? The reason is, according to the present model, that annihilation can only occur when any particle connects, or is in close contact to its antiparticle. As long as they are far away from each other, the T-wave responsible for organization and **status quo** will become active and pull the physical particle towards its

original state, preventing the pair-annihilation taking effect. Thus, any instinctive reaction is a pull towards order (the original state) and a prevention of disorder. This is why an electron which receives external energy sends back that energy in the form of light and returns to its original orbital. This is why we jump involuntarily and flee when we meet a predator.

For living beings death occurs when a certain threshold is trespassed and when the critical point of no return is reached. At that critical point the living organism is in close proximity to the state of absolute stillness. The graph below tells us that when movement stops the kinetic energy becomes almost zero but the potential energy increases rapidly (blue object). Its double, or anti-object (shown in red) reaches speeds that are much higher than the speed of light. Thus, at the moment of death the antimatter is in a state of high kinetic energy and high potential energy. In such a highly excited state the anti-object has tremendous possibilities at its disposal. It can tunnel to our universe or it can freely and instantaneously move to whichever location it wants, but pair annihilation does not occur.



This is why all mystic traditions claim that the soul does not die. According to the present model the soul dwells in the realm of the metaphysical, which is the universe where entities move at speeds exceeding the speed of light.

A similar theory has been claimed by the French physicist J.P Garnier-Malet. He states his opinion on the double as follows:

***Imagine having a double in a different time and space. What if you were two, unaware of each other's existence, yet sharing the common goal of a better life?***

These words are perfectly in accordance with the present model of the universe. It seems that we reached the same conclusions with Garnier-Malet following each one of us separate considerations. A small comment

regarding his above statement is that there is no such thing as a `better life`, but only a relatively more comfortable life. One gets comfort at the price of losing all –or most– connections to his/her double. The **fictive ground state** is a shallow energy level that binds the person to a local and limited level of material information. If one wants to be in contact with the double and obtain information from the metaphysical realm, one needs to slow down physically and reach a level of indiscriminate compassion. Also it is at such a state of inner silence that intuition reaches the inquirer.

This is why the state of meditation, or **zazen**, is practiced by most eastern mystics. Islamic Sufis claim that in order to improve as a human being one has to reach a state of total love and wonder.