

THE SUPER BRIGHT WORLD

Beyond the border of light

AND HIS CONSEQUENCES ON

MANKIND LIBERTY AND NON LIBERTY of MEN

The super bright world¹, that is to say a world in which particles (or waves) are moving with speeds superior to those of the bright are corresponding to use complex numbers in the relativity equation.. Until now, one always considered that the real world must be exclusively represented by real numbers in physical equations. In the case of the fundamental de equation of relativity :

$$m = \frac{m_0}{\sqrt{1 - \frac{v^2}{c^2}}}$$

In which m_0 represents the static mass, m the moving mass, v his speed, c the speed of light. When $v < c$, mass value is real. That is to say that it can be represented by a real number in the real number set. When $v = c$, mass became infinite. Then when $v > c$ masse m is becoming a complex number.

At that point, all physicists are rejecting such result. Saying that only real number can exist in the real world.

But why complex numbers could'nt represent solution in another world we don't know, and that can't even imagine, but which really exists elsewhere or anywhere ? Already, when I studied N dimensionals space equations, I thought it could represent realty of other worlds.

Hilbert himself studied infinite dimensional spaces. And later, chord theory has physical models using more than 3 dimensions.

One see that mathematical concepts carry in them more complexity and solutions that we could imagine.²

If one could try to imagine such a world,time no longer exists, and masses are becoming complex numbers. Of course they never can be seen nor detected in our real, 3 dimensional world. That is to say that "entities" who are living in a 4D space can move in time and space as they want, as easily as us in 3D space only. But we don't can control time, of course, in our material 3D world !

In the case of our mankind we feel we are in a 3 dimensional space. But in fact, we are immersed in a 4 dimensional space. Our actions seem to us freely choosed : For example, I can now stop writing, and do anything. I feel myself completely free. But in fact, the time arrow is written elsewhere for me (and for all mankind, animals, and more generally for nature). In fait, my life trajectory is written, from alleternity. Even if I don't have this consciousness, my whole life is written since eternity in a 4 dimensional space. *But I really have the possibility to interfere with my destiny at any time.*

¹ Introduced the first time by Yves Dutheil, in his amazing book on the subject. By the way, I must mention that physicists are not alone who are discovering new concepts : During the XIXth Century, in France, Cavaillé-Coll, a prominent organbuilder created a system which allowed him to compute the speed of the light.

² One can for example deduce the well known formula $E=mc^2$ from the Young equation, discovered some hundred years before !

It seems that my story is definitely written elsewhere, as I can't change anything of my past life trajectory : As I can't re-write my own past in our 3 dimensional space which limits my existence.

From where we have this seeming liberty feeling that we know in our 3D space. Which in fact is only the projection of our destiny written since all eternity. BUT ON WHICH ONE CAN CHANGE AND INFLUENCE. And influence each others.

Good guys can unfortunately turn bad, or vice-versa.can also occur. But as any life trajectory, the past conditions heavily our future.

In contrary as what Jansénists professed concerning this subject, I think they where wrong. They invented the theory of predestination, without any possibility for men to escape from his own destiny.

At the contrary, I think this is precisely there our own human liberty. Apparent liberty included in a more global non-liberty which always esapes to us, but who encourage us to draw our destiny.

For doing this, Christian principles of life are a powerfull mean !

THE FONDAMENTAL RELATIVITY FORMULA IN YOUNG LOW :

Let V be the sound speed in a matériel whose Young module is E and de volumic mass ρ défined by :

$$V = \sqrt{\frac{E}{\rho}}$$

A France Télécom R&D colleague of we, Mister Alain Bache showed me one day this computation : Extracting E from this formula yields :

$$E = \rho V^2$$

Formula which recalls the well known Einstein formula :

$$E = mc^2$$

To conclude, it is métaphysically amazing to discover that a 200 years old mathématique formula lrgely before relativity theory was in reality contained in this earlier formula.

This example is showing us that the mathematical tool power applied to our physical world contains in itself knowledge that his own inventor don't has any consciousness. Obviously, Young did'nt knew relativity theory !

In the same order of ideas, why the mathematical complex number concept, called also imaginairy numbers, could'nt contain knowledge of physical realties which are not understood todays ?.

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