Trouble with physical interpretations or time as aspect of reference system of life

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Trouble with physical interpretations

Physics and physical interpretations, when depending from traditional time notion, are these who go apart one from another when physics becomes more and more mathematical discipline. First, that supported by mathematics, is the part that should remain as proper physical science, second being condemned for only historical role in epistemology.

Time or what remains from time in reference system of life

Traditional time as it is used by physical science today is only some aspect of something that would stand for proper time if any what is allowed for us to observe or sense in our reference system of life. Using some oversimplified language, if we were not alive we were able to see time from outside of life. In order to avoid such way of speaking we must speak of system of reference of life without necessity to specify what would be outside the life. Outside would be objective world, we would assume, and outside would be objective time too, but we can’t put much sense in such expressions for us not having way to “go and see”.

Some look outside provides us mathematical picture in physical science. Using mathematical experience in physics we may start to predict what would be proper time as scientific notion.

Newtonian time, Einsteinian time, but where Schrodinger-Heisenger-Dirac time?

Newton maid genial suggestion about absolute time, but his suggestion was misinterpreted and remade back in the same old time notion traditionally used in epistemology. Second revolution of time or proposition to demystify old traditional time was attempted by Einstein, but unfortunately this attempt was remade back to traditional picture of time dependant universe evolution picture. One slight difference gave this revolution: there appeared two distinct time pictures: mathematical or that in Minkovski space-time aspect and old mystical or time traditionally used in physical interpretations.

When appeared quantum mechanics it could not give anything new in what concerns time because possibility of this new revolution of time was asphyxiated in previous time revolution. The revolution, that of QM, is still before us, and everyone may try his wits to predict something more sensitive because what physical science uses today’s in its physical interpretations is mystical and not of scientific approach.

Time orthogonal circle as second dimension of time

We suggest at least two dimensions of time that we perceive in our reference system of life (RSL): one responsible for our sensation of prolongation or our traditional time sensation and second perceived as emergence of matter in our RSL. Another two aspects of two dimensions of time are distinctions and holograms first reconstructing prolongations, but second – orthogonal aspect of time. Another more two aspects of time that guide our mathematical thinking are pairs of Pythagorian numbers, e.g., rotation and translation, closed line and unclosed, and so on. Mathematical thinking is due to fact that every Pythagorian pair may be connected with tool or machine that turns one Pythagorian number into another, what constitute mathematics itself. This applied to time dimensions and assuming existence of vehicle that turns orthogonal “occurrences” into translational. This vehicle may be assumed as time itself.

How to prove existence of orthogonal time?

First to persuade that mathematics turns into more comprehensible form when expressed via Pythagorian numbers. It is more or less long way depending from how many scientists would like to follow this way of comprehending of mathematics. But it may eventually turn short when some crucial theorems could possibly
be proved. Second to adopt epistemological rule that all facts from human experience, religious experience and whatever else included, should be taken into account to reconstruct how to model our RSL. The traditional time notion and traditional principle of causality stands for this on zero level on the very firm ground since Plato and Aristotle. This aspect should be rebuilt to comprehend what we gained from QM. Third to accept a principle, at least for time being, that from within RSL it is not possible to decide whether emergence of life is matter of chance or aspect of universe. Such principle turns into nothing if assumed that RSL does not exist in the sense of anything what could be connected with anything in connection with physical science.

**Mathematics knows better...**

It may turn out that just mathematics would decide about last principle’s sensibility. At least up to now, mathematics goes away from where the physicists who mystify traditional time expect it to be going.

**Literature**


Dornach: R. Steiner Verlag.


