

The Theory of Atemporality

Scientific Way to Peace and Prosperity

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Abstract

Main insight of the Theory of Atemporality is that stellar objects move in atemporal cosmic space and that time exists only as a coordinate of motion. With clocks one measures duration and numerical order of this motion. Time is what is measured with clocks: the duration and the numerical order of motion of elementary particles and massive bodies in space. In the Theory of Relativity time as a “fourth coordinate” describes motion of massive objects and elementary particles in space. In that sense fourth time coordinate is the “coordinate of motion”. Time is a measure of motion in space carried out by clocks. Time is not a part of space. Space-time is not a physical reality into which material change run. Space-time is a math model only used for description of motion of objects in space where time is a coordinate of motion. Space itself is atemporal. Mind can understand that space is atemporal, but it cannot experience it. For that awakening of consciousness is needed. Experience of atemporality brings inner peace and loveliness and is scientific way to peace and prosperity on this planet. Peace, love and freedom are beyond time. The Theory of Atemporality is the basis for planetary civilization without religions, nations and races composed out of conscious individuals.

Key words: time, space, space-time, atemporal space, duration, numerical order, consciousness, peace, love, freedom

Introduction

Time is what we measure with clocks: with clocks we measure duration and numerical order of motion of massive objects and elementary particles in space. There is no evidence that motion happen in time; we can only observe motion in space. With clocks we measure duration and numerical order of motion. Time still exist but not as a fundamental physical reality into which motion happens. Time exists as a scientific tool for description of motion in space.

To describe position of two objects A and B in space we need three coordinates X, Y and Z. To describe motion from object A to object B we need fourth coordinate that is time “t”. With clocks we describe motion. Let’s take most simple equation: distance = speed x time. Time here means duration of motion. When we know speed, we can also know distance that an object or particle has done in space.

Time as a “fourth” coordinate of space-time is a “coordinate of motion”, it describes motion of massive bodies and particles in space.

In the Theory of Relativity the fourth coordinate $X_4 = c \cdot i \cdot x \cdot t$ is called the “time coordinate”, whereas c is light speed, i is an imaginary number and t is the number representing duration of material change. With “time coordinate” one describes motion of objects in space. With clocks one measures interval between material change X and material change $X + n$, where n represents number of units of time. The smallest unit of time is Planck time; in a Planck time photon pass a Planck distance. Time is a measure of intervals of motion in space.

Lynds defines time as: »Time enters mechanics as a measure of interval, relative to the clock completing the measurement” (1).

Space-time is a math model only; space-time does not exist as a physical reality. With the model of space-time we describe motion of objects and particles into space. There is no evidence space-time existing as a physical reality. Before Einstein created space-time no one was thinking that space-time is an arena of the universe. Today most physicist think universe exists in space-time as a fundamental physical reality. For that conviction there is no evidence and no experimental proof.

Space itself is atemporal. Motion of objects and particles do not happen in time, it happens in space only. Time is not running in space independent and also is not a part of so called space-time as a fundamental physical reality. Space is atemporal and time is by man invented coordinate of motion that describes motion in atemporal space.

Humans experience atemporal space as a present moment. Past and future exists only in the mind; physical past and future do not exist; exist only atemporal space. All experiments in physics always run in present moment, because present moment is the only one that exists. We are not aware yet that present moments do not follow each other in the line past-present-future. Present moment is the only one in which motion happens. We experience this motion in a linear mind concept of past-present-future.

Time as a “coordinate of motion” is not elementary physical quantity as energy, matter, space and motion are; time exists only when we measure it. Time is invented by man in order to describe motion in atemporal space. We have to distinguish between:

- psychological time - the basic model of the mind in which we experience motion
- physical time - where symbol t represents number of units of time as a coordinate of motion in atemporal space.

The difference between these two is not clear yet. Main stream of science consider time to be fundamental physical reality not being aware that scientists “project” their physiological time in physical reality. Universe is an atemporal phenomenon. We cannot think that universe run in time, because we do not have any evidence for that. Opposite is truth: we experience atemporal universe in psychological time and we describe motion in atemporal space with physical time that is only a scientific tool and not fundamental physical reality.

Relativity of Motion Speed and Material Change Speed

According to this understanding of time in the Special Theory of Relativity it is not time that is relative but the speed of material change; in a faster inertial system the speed of clocks and material change in generally is lower than in a slower inertial system. In physical space with stronger gravity the speed of clocks and material change in generally is lower than in physical space with a weaker gravity field.

This understanding of time resolves the problem of twins. We do not live in time; we live in atemporal space only. A brother in a high-speed spaceship is getting older slower than his brother on Earth, but both are getting older in an atemporal physical space.

Atemporal Space and the Einstein-Podolski-Rosen experiment

The Einstein-Podolski-Rosen experiment confirms the idea of atemporal space according to which material change runs into atemporal space only and not into time. Into the EPR experiment atemporal space is the direct information medium between elementary particles. There is no information signal traveling into time between particles. Atemporal space is the “immediate information medium” between elementary particles (2).

In Special Theory of Relativity forth (time) coordinate should be understood as a “motion coordinate” that describes motion in atemporal space.

Atemporal space and the General Theory of Relativity

The brother living on the Moon is getting older faster than his brother on Earth because gravity is stronger on Earth, but both are getting older in an atemporal physical space.

Contradictory, hypothetical travel into past is possible according to the Theory of Relativity but out of question according to the atemporal space. No one can travel through space-time, as space-time is merely a mathematical model. One can travel into atemporal physical space only. Duration of travel we measure with clocks.

Speed of rotation of planet Mercury is slower as should be regarding its mass, because in atemporal space with stronger gravity motion of massive objects is slower than in the space where gravity is weaker.

In General Theory of Relativity 3-dimensional objects exist into a 4-dimensional space. Gravity force is the result of a curvature of 4-dimensional space. As 4-dimensional physical space is atemporal, one can see the gravity force as a non-propagating force working directly into space and indirectly between material objects.

According to the Loop Quantum Gravity, space has a granular structure; it is made out of quanta of space. A curvature of 4-dimensional atemporal space is the result of its quantum structure. Gravity force as the result of the curvature of space is a non-propagating force; it works directly between quanta of space in a 4-dimensional atemporal space and indirectly between 3-dimensional material objects. 3-dimensional material objects are somehow captured inside a 4-dimensional atemporal space (3).

Relation between Time, Mind and Consciousness

With eyes we perceive motion in atemporal space. Mind elaborates perception of motion in model of linear time (past-present-future), than we experience it.

material change – eyes – mind elaboration in time – experience (4)

Consciousness has ability to watch, to witness this process. You take a pendulum and watch it. You will perceive pendulum moving in space only and not in time. Close your eyes and you will see image of pendulum moving also in space only and not in time. Material pendulum and image of pendulum move into same atemporal space. Material objects and mind objects move into same atemporal space. Mind is describing their motion with the model of linear time. Consciousness is watching motion of material and motion of mind objects in atemporal space. Consciousness itself is atemporal. Consciousness is aware of past and future as models of the mind. Consciousness is aware that time as a physical quantity exists only as a duration and numerical order of motion in atemporal space.

Zeno Arrow Paradox

Zeno argued that the flight of an arrow is an example of motion. At any moment in time, the arrow either is where it is or it is where it is not. If it moves where it is, then it must be standing still, and if it moves where it is not, then it can't be there; thus, it cannot move.

According to atemporal space, the answer for ZENO paradox is: The arrow does not move in time, it moves in space only, which is atemporal. Humans experience atemporal space as present moment. In atemporal space there is always present, while past and future are products of the human mind.

Conclusions

In the Theory of Relativity and in physics in generally with clocks is measured time as a duration and numerical order of motion in space. Time as a fourth coordinate is a “motion coordinate” and describes motion of massive objects and elementary particles in atemporal space. A concept of space-time is here developed into a concept of atemporal space where time is a “coordinate of motion”. With clocks we measure time that is duration and numerical order of motion.

Humans experience atemporality of space as a present moment. Every scientific experiment is always carried out in the present moment, because present moment is the only one that exists as a physical reality. Past and future are models of the mind they only exist as a psychological reality. With this insight of time physics is confirming Buddha which say that time is an illusion. Yes, time as a physical reality in which motion happens is an illusion. Consciousness is aware that with clocks we measure motion in atemporal space. Time exists only when we measure it. Universe itself is an atemporal phenomenon.

Mind can understand that universe is atemporal, but it cannot experience it. For that awakening of consciousness is needed. Experience of atemporality brings inner peace and loveliness and is the only way to peace and prosperity on this planet.

Mind without consciousness cannot resolve current economical problems, religious and national tensions on the planet Earth. For that awakening of consciousness based on science is needed. Right understanding of time is a scientific way into awakening of consciousness. Once we understand universe and consciousness are atemporal, awakening of consciousness happens by itself.

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THANK YOU, Amrit Sorli



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