

# The Theory of Atemporality

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Theory of Atemporality is based on elementary perception: with eyes we can perceive in the universe only stream of material change (motion of material objects and elementary particles in physical space), we cannot perceive time as a physical reality. Time is not a fundamental physical reality as matter, energy and physical space are; time is a man invention in order to measure duration, speed and numerical order of material change that run into atemporal physical space. Time as a physical quantity is "observer effect", physical time exists when we measure it; when time is not measured, time does not exist. Universe is an atemporal phenomenon.

Theory of Atemporality is up building Theory of Relativity in a sense that material change do not run into space-time, they run into atemporal space. It is not time that is relative, relative is a speed of material change; in a faster inertial system speed of material change is lower than in a slower inertial system. Into physical space with stronger gravity speed of material change is slower than into physical space with weaker gravity field.

This new understanding of time resolves the problem of twins: brother in a faster spaceship is getting older slower than his brother on the earth, but both are getting older into atemporal physical space. Brother living on the Moon is getting older faster than his brother on the Earth because gravity of stronger on the Earth.

Contradictory hypothetical travel into past that are possible into Theory Relativity are in Theory of Atemporality out of question. One can travel only through the atemporal physical space and not through the time because time is an observer effect.

Into Einstein-Podolski-Rosen experiment atemporal physical space is a direct information medium between elementary particles, there is no information signal traveling between particles.

Atemporal physical space has a granular structure and is a direct gravitation medium between material objects. Gravity is a weakest force in the universe and exists between quanta of space. Gravity force keeps together atemporal physical space and so it keeps together material objects that exist into physical space. Quanta of space have a volume of Planck that is variable; more matter in a given volume of space, less is dense space itself and quanta of

space are stretched and are acting to shrink together; gravity forces between quanta of space are shrinking space together. Presence of matter simply makes atemporal physical space less dense and this creates gravity force - shrinking force of the space. No gravity particle or wave travels between two material bodies in order to keep them together.

In 1949, Gödel postulated a theorem that stated, "In any universe described by the theory of relativity, time cannot exist" [http://findarticles.com/p/articles/mi\\_m1200/is\\_8\\_167/ai\\_n13595656](http://findarticles.com/p/articles/mi_m1200/is_8_167/ai_n13595656). Gödel is right; according to the Theory of Atemporality space-time exists only as a math model with which science describes motion of material objects and elementary particles into atemporal physical space.

Recently some physicists are finding out that there is no time on fundamental (subatomic level) <http://www.decoherence.de/>; according to the Theory of Atemporality there is no time also on macro level (material objects, stars, galaxies). Time is an observer effect. Time exists only when we measure it.

Theory of Atemporality will lead into deeper understanding of the universe where past and future belong to the human mind, universe itself is atemporal. Julian Barbour book "The End of Time – the next revolution in our understanding of the universe" <http://www.platonina.com/> is announcing this improved understanding of time that is entering into science. Theory of Relativity is a bridge from Newton theory to the Theory of Atemporality.

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