

# Some major differences between Theory of Space and other theories

by

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Http: [www.theoryofspace.info](http://www.theoryofspace.info)

Physical notions introduced in the “Theory of Space” can be translated to other theories. However, its understanding and nature is deeper than in other theories, what enables to see these theories as an approximation of reality.

It is hard to say, but currently favorable theories have huge problems located on their foundations. In some cases problem is so serious, that it applies even to erroneous cause-and-effect relationships.

It is recommended to read the “Theory of Space” or listen to the lecture provided by author before reading this short article that was created for the website.

## Correct cause-and-effect relationships in the Theory of Space

Theory of Space introduced correct cause-and-effect relationships as a rule<sup>1</sup>:

### The cause-and-effect of interactions rule

*Effects, interpreted as interactions and observed between the disturbances of space (physical objects) are caused by the properties of space and the type of such disturbances.*

It means, that effect of interactions can be, in some circumstances, creation of new disturbances of space in a form of vortices (elementary particles).

In opposite, other theories claim that the cause of interaction is occurrence of special particles (from what?).

In this point we should ask ourselves why do we have such a serious problem in those theories?

The answer is simple, and comes from misunderstanding of Quantum Mechanics which considers only stable states. Interactions in Quantum Mechanics occurs only when we have a transition between stable states. During that process new particles are being created (as an effect), that are interpreted incorrectly as cause of interaction.

Summing up, quantum mechanics factorizes the real configurational space with integrals of motion, which appear to be wave functions.

Of course created particles (for example gluons) can interact with other particles but such process should be treated properly as a derivative process.

In other words, Quantum Mechanics abstracts from real reasons of interactions and concentrates on effects that are incorrectly interpreted as causes of interaction.

Unfortunately wrong methodology spreads from Quantum Mechanic to many theories, except presented Theory of Space.

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<sup>1</sup> Please see „Theory of Space” or lectures provided by author.

## **Correct understanding of nature of time**

Theory of Space (shortly TP) explains nature of local time in given region of space that in fact characterizes its properties like distance between boundary hypersurfaces (three dimensional) and their parallelism.

Moreover Theory of Space properly interprets concept of curvature of space-time (variable lapse of time) introduced by A. Einstein.

A. Einstein considered the complex structure of space through the perspective of the notion of time which, as we know from the Theory of Space, describes the properties of space.

## Correct understanding of gravitational interactions

Directly from Theory of Space we know that gravitational interactions occur in a region of space in which boundary hypersurfaces are not parallel.

These interactions also change both boundary hypersurfaces by expanding them<sup>2</sup>.

Geometrical explanations of gravitational interactions clearly show, that there is no possibility to reduce our Universe to a point by them.

In opposite, other theories claim incorrectly that radius of the Universe is dependent from gravitational interactions. The reason of such incorrect ideas lay in misunderstanding of introduced by A. Einstein notion of space-time (please see correct understanding of nature of time) and misunderstanding of notion of elementary particles.

Finally, theories like Bing Bang mistakenly use perspective of space-time introduced by A. Einstein to reduce our Universe to a point.

What is interesting, Bing Bang theory uses the so-called galaxies' escape effect incorrectly as an experimental proof of its considerations.

In fact, as it is clear from TP, it turns out that "galaxies' escape effect" is an effect of curvature of the four-dimensional space.

Theory of Space did not answer questions about the beginning of the Universe because it is too early for an answer on such complicated subject.

However, if somebody would like to consider creation for example of a vessel, he should consider not only its blasting from glass but also many other possibilities like:

- modeling with clay,
- casting using many different materials,
- self-creation by factors like temperature, wind, water.

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<sup>2</sup> Please see „Theory of Space” or lectures provided by author.

Other differences will be published soon. In the meantime, I invite Universities to lectures about essence and results of the “Theory of Space”.