



Spatio-temporal Technology Application for Studing of Earth's Active Processes and Celestial Bodies Oscillation Dynamics

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The Bulatova's spatio-temporal technology (STT) is represented in the terms of 3D geometry and astronomy as a change in impact direction of the external (the celestial bodies') sources on the Earth.

This technology STT consists of three-dimensional model based on Ptolomaious idea of the immobile Earth (Bulatova, EGS1998) and the moving (TMS) source method (Bulatova, 2000, Bulatova, EGS 2001). The algorithm of this technology works equally for global and regional scales.

In this work the TMS method was used to research the positional relationship of the Earth celestial bodies (Sun, Moon and another) and the dynamics of their oscillations with respect to equatorial plane for the past twenty five years taking into consideration the following astrometric parameters: their declination and distance from the Earth. The goal of these studies is the elucidation of the contribution of the Moon and celestial bodies on the Earth's active processes.