

Astronomical Triggers as a Cause of Strong Earthquakes

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Abstract

The planetary geometries were studied at the moments of 92 strong earthquakes with a magnitude of more than 8 on the Richter scale (R8+) for the period from 1900 to 2011. Three main planetary schemes were specified, namely the schemes of the generalized Archimedes lever (gAL) and the Kepler conjunction (gKc), as well as a new geometry of the triangles of the remote signal catcher (cRS). It was discovered 22 gAL, 42 gKc and 28 cRS geometries, which are 23.9, 45.7, and 30.4%, respectively, from the total 92 studying cases. It was found that in some earthquakes; the planetary geometries are absolutely identical, which indicates the universality of the mechanism that caused the earthquake. The triggered effect does not depend on the distance between the planets and the mass of the planets, so the mechanism is identified as an inertial gravitational interaction. The triggered effect increases with the multiplicity of the ratio of distances between planets, as well as with pairwise planetary parallelism, which probably indicates about the wave nature of inertial effects. The triggering effect increases with increasing multiplicity of the ratio of distances between planets, as well as with pairwise planetary parallelism, which probably indicates about the wave nature of inertial effects. According to the Archimedes' lever principle, the Third Law of Motion is changed by adding a few words. It is assumed that inertia is a special case of gravity, namely gravitational self-induction, which really depends, like any self-induction, only on the geometry of the task.





Figure 1. The well-known victims of up-to-date Holy Inquisition: (a)—Archimedes, and (c)—Johannes Kepler. In the low row the pages, illustrated their works. Labels are next: (a)—Sculpture of philosopher as lift up from Mediterranean Sea bottom together with Antikythera Mechanism. Very likely it is sculpture of Archimedes, see details in (Safronov, 2020b); (b)-the illustration of Archimedes' levers, obtained from Mechanics Magazine published in London, 1824; (c)—portrait of Johannes Kepler by an unknown artist, 1610; (d)—The original diagram of Jupiter-Saturn conjunctions prepared by J. Kepler, 1606 from "De Stella Nova in Pede Serpentarii".





1. Safronov A.N. "The Basic Principles of Creation of Habitable Planets around Stars in the Milky Way Galaxy" // International Journal of Astronomy and Astrophysics, 2016, 6,

512-554. 2. Safronov A.N. "A New View of the Mass Extinctions and the Worldwide Floods" // International Journal of Geosciences, 2020, 11, 251-287. 3. Safronov A.N. "New Theory of Effusive and Explosive Volcanic Eruptions" // International Journal of Geosciences, 2022, Vol.13 No.2 115-137. 4. Safronov A.N. "Astronomical Triggers as a Cause of Strong Earthquakes" // International Journal of Geosciences, 2022, in press 5. Safronov A.N. "Antikythera Mechanism and the Ancient World" // Journal of Archaeology, 2016, Article ID 8760513, 19 pages 6. Safronov A.N. "The Archimedes' Lever and Vesuvius Eruption A.D. 79" // Journal of Anthropological and Archaeological Sciences, 2020, 1 (4), 98 -115, 2020. JAAS. MS. ID. 000119 Third Law of Motion: "When one body exerts a force on a second body, the second body exerts a force equal in magnitude and opposite in direction to that of the first body in the absence of obstacles in the path between these bodies"

The frequency of gravitational waves:	
The frequency is determined by the size of the generating system, thus the gravity waves have frequencies such as in the LIGO and VIRGO experiments:	The frequency is determined by the size of the generating system, thus the gravity waves have frequencies such as in the in future eLISA experiment:
$\lambda \sim L$ (balck hole)	$\lambda \sim L$ (solar system)