

Rotation of cosmogony objects and Outside wave fields of the Moon and the Earth

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Abstract

For outside wave fields of the Moon and the Earth accept seismic and acoustic waves which characteristic frequencies first of all coincide with frequencies of orbital and own rotation of cosmogony objects (planets and their satellites, multiple star systems, pulsars). Their search it was reduced to the analysis of records of acoustic pulses and seismogrammes caused by prospective their influence. Qualitatively new information research on the Nakamura Catalogue basis of periodicity outside wave fields of the Moon has given lunar seismicity induced by gas dust streams [1-3]. Existential modulation of these streams on the periods of orbital rotation of planets of terrestrial group and satellites of planets - giants and also on the periods of own rotation of some of them are revealed. The periodicity of a solar wind caused own oscillations of the Sun; modulation gas dust streams from the nearest multiple star systems are found out. According to the Catalogue and to the elementary estimations of the acoustic (seismic) wave response of a surface of a heavenly body on γ - and Re-pulse regular radiations the scale of the general external influence on the Moon and the Earth is submitted. Besides wave (acoustic) processes in the top Earth atmosphere and also those from that its are accompanied also by optical effects (polar lights) and strongly connected with gas dust streams acting [4].

Some types of young pulsars have an environment which is plasma dust environment, passage through which of radiation modulated on frequency rotation of a pulsar (it is especial Re- and γ a range) and accompanist jets of substance. The subsequent interaction of this modulated stream, as well as Re- and γ pulses with an atmosphere and a day time surface derivates regular seismic signals with which it is necessary to allocate on a background of seismic noise. Similar researches sometime were carried out

more than 10 years not without success. As a minimum three components of a cosmogony field of rotating object for example a pulsar (Gus dust stream, Re- and γ radiation) influence the Moon and the Earth and their section of capture thus on energy exceeds on 40 orders gravitation waves interaction. So other interpretation of results is demands. New hardware and methodical opportunities of registration of seismic acoustic signals from cosmogony objects have allowed renewing their search. The majority of researches are carried out in Egypt. On frequencies of rotation of pulsars some peaks were registered in a spectrum of seismic noise and characteristics confirm the specified mechanism of their formation.

References

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