

THE INTERSTELLAR GAS-DUST STREAMS AS THE INSTRUMENT OF EXOBIOLOGY

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Gasdust Streams from Double Stars & Lunar Seismicity.

The time series of seismic events were generated as follows: on the ordinate axis the peak amplitudes of events in standard units, on abscissa axis - seismogram durations of the same moonquakes and subsequent time intervals between them were used. Spectrum of the series disclosed time picks on hidden cosmogonical periodicities of lunar seismicity. A part of results (picks) presents orbital periods of double stars nearest to the Solar system. The explanation of that results is existing gas-dust streams from binary stars systems and interacting of it with lunar surface.

Genesis of Life. If the solar system is reached by the gas-dust streams from binary stars, then all bodies in space have particles of star dust on their surfaces and/or atmospheres. Solar system has made 8-10 revolutions around galactic center and thus captured dust from many thousands stars. As these stars caught in turn dust particles from other stars too then probably our solar system has mainly dust samples from all objects of our galaxy. The age of galaxy and old stars is approximately more than 15 billion years and that of the Earth is only ~ 4, 5 Gyr. Genesis of Life for the Earth has not more than 3 billion years. Thus comparative analysis of simple balance of these times shows that the genesis of Life for Earth is the result of galactic processes/objects and not of the solar system of course. After formation of the solar system all old and new captured dust particles are first accumulated in the Oort cloud and then they are carried by comets to planets. The modern state of the Earth exists for more than 3 billion years, so possibilities for appearing Life were always. These processes had happened a few times during this period of the Earth state. The sizes of the universe and galaxies at $\tau_0 < 1$ billion years could be much less than modern estimates (for example, up to ~15 times in diameter), that implies the existence of a common gas-dust exchange. The density of physical fields and radiations at the moment τ_0 was many orders of magnitude higher than the density existing now. Disintegration of neutron substance and nucleus of heavy unstable elements have caused constantly existing streams of left polarized electrons which have determined chirality's asymmetry of original organic molecules and thus the chirality the existing biological world. Some types of radiations functionally could replace enzymes during formation of self-reproducing molecular structures. Man is used only 10 % of the genetic information. It indicates the common total surplus of a genetic material of biosphere of the Earth. Probably, at the moment τ_0 in unique conditions and with sufficient time for creation the universal galactic gene was created which different elements are capable to create biospheres on planets with the widest set of external conditions and for various stages of development of everyone. If the universal uniform galactic genome exists, this universality will appear as redundancy. The universal model of the gene logically contacts the concept of a prediction and designer, hence, the model of occurrence of life and the Creator is logically more proved.