

## **Divergent style of the earth crust evolution in granulite-gneiss terrains of the Ukrainian Shield**

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Creation of the modern, perfect and adequate model of the dynamical shield evolution coordinated with the general development laws compels to revise of the scientific ideology in favour of Prigogine's paradigm. It is necessary to register also of the latest attainments in synergetics of the physical, chemical and physical-chemical processes.

Attempt to use such principally new approach to the object confirmed the correctness of the next conclusions: 1. Present-day cut of the granulite-gneiss terrains is the primary lunar-continental type earth crust that had been undergone by the processes of the metasomatic granitization, anatexis, rheomorphism and others, including in term ultrametamorphism. As a result all multiformity of the rocks with predominance of the acid (granitic) ones had been arisen; 2. Irreversibility of such divergent style development of the earth crust had been caused by modification of the endogenic fluid regime from reduced to oxidized form and its inversion from carbonaceous to hydrogenous composition; 3. Coordinated complex mentioned processes happened on the condition - far from equilibria and distribution their products through nonlinear rules with breach of the space-time symmetry. This spontaneous bifurcational mechanism is accountable for the origin of hierarchy of the dissipative - ring, scaling-and selfaffinic-similar structures. The same one resulted in initial nonhomogeneous layering of the Preriphean Litosphere with the various degree of the crust maturity.