

Axiomatics of Geology

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Origin and the shaping of deposits is can be formalized by the following two axioms.

Axiom of accumulation. The particles of a mineral component in a fluid-dynamic condition move under the nonlinear laws to the attractor.

Axiom of ordering. The identical particles at defined concentration are uniformly enclosed.

A final phase of an evolution of the Earth, as well as any celestial body - krystalization. For a discrete substance there is only two marginal steady condition - the chaos and crystal. Therefore all processes are either growth, or destruction of crystal. If an attractor one and the particles move to it under the quadratic laws, the pool of gathering mineral should be similar to threedimensional cuts of a fractal of a Julia-Mandelbrot. It gomeomorphic to a geoid. Therefore a main attractor of a geoid is a center of the Earth and all global geological processes are connected with the Terrestrial kernel. The structure of the kernel in different geological era are different. Now the carbon is accumulated in a center of the Earth. An iron-nickel melt, temperature (3000 degrees), pressure (3500 kilobars) - the perfect conditions for origin and growing of lonsdaleite monocrystal.

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