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© Д. чл. Р. Л. БРОДСКАЯ,* почетный член Ю. Б. МАРИН**

**ПРОБЛЕМА МОДЕЛИРОВАНИЯ ВНУТРЕННЕГО СТРОЕНИЯ
УПОРЯДОЧЕННЫХ И РАВНОВЕСНЫХ
МИНЕРАЛОГО-ПЕТРОГРАФИЧЕСКИХ СИСТЕМ**

*R. L. BRODSKAYA, Yu. B. MARIN. PROBLEM TO MODEL THE INNER STRUCTURE OF THE ORDERED
AND EQUILIBRIUM MINERAL-PETROGRAPHIC SYSTEMS*

* *Всероссийский научно-исследовательский геологический институт (ВСЕГЕИ),
199026, Санкт-Петербург, Средний пр., 74*

** *Санкт-Петербургский горный институт (технический университет),
199026, Санкт-Петербург, 21-я линия, 2*

Process of the igneous rock structuring and its result — textures and structures — are analyzed from various points of view. According to those differing approaches, the different models of the mineral aggregate structure forming are displayed: conceptual, genetic, thermodynamic and physiographic ones. There is a conclusion about correlation between velocity of mineral individuals formation and their aggregation, from the one side, and internal equilibrium of the rock and degree of its aggregate spatial ordering, from the other one. The paper discusses possible direct and indirect evidences for effect of the three-dimensional (3D) translation of mineral grains, their clusters, elementary volumes and elementary cell within the rock space. There is a description of experiment carried out to reveal the 3D periodical structure of a mineral aggregate, and observed diffraction proving the lattice-like structure of ordered and equilibrium rocks.