Full Paper	Thematic Section: Physical-Chemical Researches.
Registration Code of Publication: 10-20-4-10	Subsection: Colloidal Chemistry.
Publication is available for discussion in the framework of on-line conference "Butlerov readings".	

http://butlerov.com/readings/

Contributed to editorial board: April 29, 2010

Optical properties of gel oxyhydrates and gel oxyhydrate "noise"

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Keywords: colloid clusters, oxyhydrate noise, pulsating noise structuring, dielectric permittivity, Liesegang operator, self-organization current, magnetic field, optical density.

Abstract

The article dwells upon the alternations of the optical density in the gel oxyhydrate systems of d- and f-elements. Proven is the relation of these alternations to the Liesegang operator.

On the basis of the experimental data and calculations that are given in the present paper the conclusion is made on the effect of self-organization current in the magnetic field on the optical behavior of the oxyhydrate systems. Experimental method of cluster size evaluation in the disperse medium is brought into view.

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