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**ELECTRO-RHEOLOGICAL FEATURES OF FLOW OF COMPLICATE  
SYSTEMS\***

**Abstract**

*The arising of volume charge in filtration of fluid, containing impurity of ions and colloidal particles and its influence to rheological features inheriting to these systems, was considered. Investigations were carried out on experimental setup and filtration of fluid through the porous medium was studied.*

*Rheological behavior of dilution systems was also considered. The experiments shown that for a short time period of relaxation the charged system breaks down and reconstructs with a motion.*