

Non-Stationary Flow of Flexible Chain Polymer Solutions in Porous Medium

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Theory of elastic deformation effects for the flow with stretching of flexible chain polymer solutions predicts a higher degree of porous medium inclusion to be achieved by non-stationary flooding of polymer solution into it. In order to justify this prediction water solutions of polyethilenoxide were studied under conditions of non-stationary flow with stretching. Conducted experiments proved the accuracy of theoretical prediction.

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