

**RAYLEIGH-TAYLOR INSTABILITY OF VISCOELASTIC
SUPERPOSED FLUIDS IN POROUS MEDIUM IN THE
PRESENCE OF SUSPENDED PARTICLES**

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Abstract

The Rayleigh- Taylor in stability of plane interface between Newtonian viscous fluid and Oldroydian viscoelastic fluid containing suspended particles in a porous medium is considered. Conditions for stable and unstable cases are discussed.