

Telman G. RAMAZANOV, Rufat A. MAMEDZADE

NONLOCAL AXISYMMETRIC FLUID FILTRATION IN VISCOELASTIC STRATA

Abstract

In the paper the axisymmetric weakly-compressible fluid filtration in cased well is considered allowing for interaction of viscoelastic bed with its ambient rocks. The effect of nonlocal bed deformation to pressure distribution is shown. Instant changeover time at working stratum with constant discharge is defined.