APPLIED PROBLEMS OF MATHEMATICS AND MECHANICS

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NON-STATIONARY FILTRATION IN NON-HOMOGENEOUS-POROUS MEDIUM WITH DISCONTINUOUS JUMP OF PENETRABILITY

Abstract

In the paper we study the influence of discontinuous jump of penetrability of porous medium on its filtration ability at one-dimensional non-stationary filtration subject to the finite length of bed. The influence of discontinuous jump of penetrability of porous medium on consumption of liquid is considered at changing the direction of filtration flow.