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ON ASYMPTOTICS OF SOLUTION TO A
BOUNDARY VALUE PROBLEM FOR A
QUASILINEAR HYPERBOLIC EQUATION IN AN
INFINITE STRIP

Abstract

In an infinite strip we consider a boundary value problem for a singularly-perturbed quasilinear equation degenerating to a parabolic equation. Asymptotic expansion of generalized solution of the considered problem is constructed with any accuracy and residual term is estimated.