

Shirmayil G. BAGIROV

ON ASYMPTOTIC PROPERTIES OF SOLUTIONS
OF NONLINEAR ELLIPTIC EQUATION

Abstract

In the paper, asymptotic behavior of solutions to second order semi-linear elliptic equations in the divergent form with Neumann condition on lateral surface is investigated. It is proved that in the vicinity of infinity, the constant sign solutions decrease as a power function, the alternating solutions decrease exponentially.