

Mubariz B. VELIYEV, Ilyas T. GADJIEV

SCATTERING DATA FOR THE SYSTEM OF STOURM-LIOUVILLE EQUATIONS ON THE WHOLE OF AXIS

Abstract

In the present paper the left and right scattering data of the system of Stourm-Liouville equations are determined on the whole of real axis and by means of these data the integral equation of V.A.Marchenko, B.M.Levitan type is derived for the kernel of transformation operator.