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ASYMPTOTICS OF EIGEN NUMBERS OF
DISCONTINUOUS CONDITION STURM-LIOUVILLE
OPERATORS

Abstract

In the paper found the asymptotics of eigen numbers of discontinuous condition Sturm-Liouville operators, learned the properties of the eigen numbers of Dirichlet's and Dirichlet-Neumann's boundary problems and proved the simplicity of zeros of the characteristic function of Dirichlet-Neumann's boundary problem.