# INVERSE EIGENVALUE PROBLEMS FOR JACOBI AND R-MATRICES 


#### Abstract

A. Rivaz

We show that real symmetric tridiagonal matrices with positive codiagonal elements (Jacobi matrices) are uniquely determined by their eigenvalues and the eigenvalues of their leading principal submatrix. We also introduce the notion of an R-matrix and consider an algorithm for the calculation of an R -matrix from its eigenvalues.


