

Workspace: See argument *W*.

Other routines called directly: None.

Input/output: None.

4 METHOD

The QR algorithm is used. At each iteration the eigenvalue at the bottom 2 by 2 submatrix, which is nearest to the last diagonal element, is used as a shift and this shift is introduced implicitly by applying the first plane rotation to the matrix itself and then applying a succession of plane rotations to return the matrix to tri-diagonal form.