

ADAS Subroutine matin1

SUBROUTINE MATIN1 (N, A, B)

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C-----
C *****FORTRAN77 SUBROUTINE: MATIN1 *****
C
C PURPOSE: MATRIX INVERSION
C
C CALLING PROGRAM:
C           LSTSQ
C
C INPUT:
C           N  NUMBER OF DATA POINTS
C
C I/O      (R*8)  A (, ) 'N' BY 'N' MATRIX
C                               INPUT : MATRIX TO BE INVERTED
C                               OUTPUT: INVERTED MATRIX
C           (R*8)  B ( ) = A.X = B
C                               INPUT : RIGHT HAND SIDE VECTOR 'B'
C                               OUTPUT: SOLUTION VECTOR 'X'
C
C DATE: 02/07/95 VERSION 1.1
C WRITTEN: A.LANZAFAME & D.H.BROOKS, UNIV.OF STRATHCLYDE
C           CONVERTED FROM BURGESS BBC BASIC
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C
C           INTEGER          N
C           REAL*8          A (N, N) ,          B (N)
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