

ADAS Subroutine xxisrt

SUBROUTINE XXISRT(N , ARR , INDX , WRK)

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C
C ***** FORTRAN77 SUBROUTINE: XXISRT *****
C
C PURPOSE: SORTS AN ARRAY 'ARR' OF LENGTH 'N' ACCORDING TO THE INDEX
C           'INDX()' SUCH THAT 'ARR(INDX(J))' GOES TO 'ARR(J)'
C           FOR J=1,2,...,N. THE INPUT QUANTITIES 'N' AND 'INDX' ARE
C           NOT CHANGED.
C
C CALLING PROGRAM: GENERAL USE
C
C SUBROUTINE:
C
C INPUT :      (I*4)  N          = INPUT ARRAY 'ARR()' LENGTH
C I/O   :      (R*8)  ARR()     = ARRAY TO BE SORTED
C INPUT :      (I*4)  INDX()    = RE-ORDERING INDEX
C OUTPUT:      (R*8)  WRK()     = WORKSPACE
C
C           (I*4)  I          = GENERAL USE
C
C ROUTINES:  NONE
C
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C
C DATE:    11/07/90
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C
C-----
C
C          INTEGER          INDX (N) ,      N
C          REAL*8          ARR (N) ,      WRK (N)
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