

ADAS Subroutine lsort

SUBROUTINE LSORT(XA, YA, N)
IMPLICIT REAL*8 (A-H, O-Z)

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C-----
C
C ***** FORTRAN 77 PROGRAM:  LSORT *****
C
C
C PURPOSE: SORT AN ARRAY SO THAT FIRST INPUT IS IN INCREASING ORDER
C
C LARGER ARRAY DIMENSION VERSION OF NSORT
C
C N.B.  INPUT VALUES ARE ALTERED BY THIS ROUTINE !!!!
C
C INPUT
C   XA(I)=X-VALUES
C   YA(I)=Y-VALUES
C   N=NUMBER OF VALUES
C OUTPUT
C   XA(I)=SORTED X-VALUES
C   YA(I)=SORTED Y-VALUES
C
C
C AUTHOR:
C
C ***** H.P. SUMMERS, JET                7 FEB 1989  *****
C
C UNIX-IDL CONVERSION:
C
C VERSION: 1.1                                DATE: 07-10-96
C MODIFIED: WILLIAM OSBORN
C           - FIRST CONVERTED.
C
C VERSION: 1.2                                DATE: 15-05-07
C MODIFIED: Allan Whiteford
C           - Updated comments as part of subroutine
C             documentation production.
C-----
C
C   INTEGER          N
C   REAL*8           XA(40),  YA(40)
```