

ADAS Subroutine xxordr

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subroutine xxordr(n, lup, xa, ia, iinva)
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C-----  
C  
C ***** fortran77 subroutine: xxordr *****  
C  
C purpose: sorts a real*8 array xa. This is a bubble sort designed for  
C           small arrays.  
C  
C  
C calling program:  general use  
C  
C  
C subroutine:  
C  
C input       : (i*4)  n      = size of input arrays  
C input       : (l*4)  lup    = .true. sort in ascending order  
C              :       .false. descending order  
C input/output: (r*8)  xa     = array to be sorted  
C output      : (i*4)  ia     = original index of sorted xa members  
C output      : (i*4)  iinva  = inverse of ia  
C  
C routines: none  
C  
C notes: based on nsort.  subroutine sets ia(i)=i before sorting  
C  
C author:  Susan Turnbull  
C  
C date:    22/08/01  
C  
C version: 1.1  
C-----  
INTEGER          IA(*),      IINVA(*),      N  
LOGICAL          LUP  
REAL*8          XA(*)
```