

ADAS Subroutine i4indfvs

FUNCTION I4INDFVS(ndim , array ,val)

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C
C ***** FORTRAN77 INTEGER*4 FUNCTION: I4INDF *****
C
C PURPOSE: Finds the index in array corresponding to the closest match
C           to value.
C
C NOTES:   This is a version of i4indf but array need not be
C           monotonically increasing. (vs - variable spacing).
C
C CALLING PROGRAM: GENERAL USE
C
C FUNCTION:
C
C FUNC:   (I*4)   I4INDFVS = INDEX
C
C INPUT:  (I*4)   NDIM      = SIZE OF ARRAY
C INPUT:  (R*8)   ARRAY     = obvious
C INPUT:  (R*8)   VAL       = SOUGHT VALUE
C
C
C AUTHOR   : Martin O'Mullane,
C
C VERSION  : 1.1
C DATE     : 23-07-2003
C MODIFIED : Martin O'Mullane
C           - First version.
C
C VERSION  : 1.2
C DATE     : 10-104-2007
C MODIFIED : Allan Whiteford
C           - Modified documentation as part of automated
C           subroutine documentation preparation.
C-----
C-----
C           INTEGER          NDIM
C           REAL*8          ARRAY (NDIM) , VAL
```