

ADAS Subroutine h4lnft

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C
      subroutine h4lnft(  istdim ,
&                      x      , xsa  , y      , ysa  , ict
&                      )
C-----
C
C ***** fortran77 subroutine: h4lnft.for *****
C
C purpose:  perform linear interpolation
C
C
C input : (r*8)  x      = required x-value
C input : (r*8)  xsa(i)= x-values
C input : (r*8)  ysa(i)= y-values
C input : (i*4)  ict   = number of values
C
C input : (r*8)  y      = returned y-value
C
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C
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C
C
C version: 1.1   Hugh Summers  24/07/02
C modified:      first release
C-----
      INTEGER          ICT,          ISTDIM
      REAL*8          X,          XSA(ISTDIM), Y
      REAL*8          YSA(ISTDIM)
```