

ADAS Subroutine sp5

FUNCTION SP5 (P, X)

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C  
C ***** FORTRAN 77 FUNCTION: SP5 *****  
C  
C PURPOSE: TO CALCULATE A SPLINE THROUGH THE FIVE KNOT POINTS  
C  
C CALLING PROGRAM:  
C OMEUPS  
C  
C  
C INPUT:  
C (R*8) P - THE FIVE KNOT POINTS  
C (R*8) X - THE POINT AT WHICH TO EVALUATE THE SPLINE  
C OUTPUT:  
C (R*8) SP5 - THE EVALUATED SPLINE  
C  
C ROUTINES: NONE  
C  
C DATE: 21/06/95 VERSION 1.1  
C AUTHOR: A.LANZAFAME (UNIV. OF STRATHCLYDE) & D.H.BROOKS  
C  
C DATE: 13/05/99 VERSION 1.2  
C AUTHOR: HUGH SUMMERS, UNIVERSITY OF STRATHCLYDE  
C CORRECTED SERIOUS ERROR IN IF JUMPS AND MODIFICATION OF  
C INPUT VARIABLE X ON RETURN. MADE CONSTANTS DOUBLE PREC.  
C  
C-----  
REAL*8 P(5), X
```