

ADAS Subroutine nspij3

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SUBROUTINE NSPIJ3(N,H,W)
  IMPLICIT REAL*8 (A-H,O-Z)
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C-----
C  PURPOSE: CALCULATE SPLINES WITH VARIOUS END CONDITIONS.
C
C  USES LABELLED COMMON  /SPL3/
C
C  CONDITIONS AT 1ST NODE AND NTH NODE CONTROLLED BY IEND1 AND IENDN
C    IEND=1 : SPECIFIED D LOG(Y) IE. DY/Y AT NODE STORED IN APPROPRIAT
C            APPROPRIATE VECTOR
C    =2 : ZERO CURVATURE
C    =3 : CONSTANT CURVATURE
C    =4 : MATCHED TO SPECIFIED FUNCTIONAL FORM IN TERMS OF
C        TWO PARAMETERS A AND B SUCH THAT
C            FUNCT = P(1)*A+Q(1)*B
C            1ST DERIV. = P(2)*A+Q(2)*B
C            2ND DERIV. = P(3)*A+Q(3)*B
C        WHERE A1,B1,P1,Q1 ARE USED FOR 1ST NODE AND
C        AN,BN,PN,QN FOR NTH NODE
C
C  INPUT
C    N=NUMBER OF KNOTS
C    H(I)=INTERVALS BETWEEN KNOTS
C  OUTPUT
C    W=SPLINE MATRIX
C
C  *****
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C IDL-UNIX CONVERSION:
C
C  VERSION: 1.1                                DATE: 01/10/96
C  MODIFIED: WILLIAM OSBORN
C            - FIRST WRITTEN. NO CHANGES.
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-----
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INTEGER          N
REAL*8           H(10),      W(10,10)
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