

ADAS Subroutine b2nfas

SUBROUTINE B2NFAS (X, XA, N, YA, Y, DY, C1, C2, C3, C4, FORM, IFORMS)

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IMPLICIT REAL*8 (A-H, O-Z)

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C ***** FORTRAN77 SUBROUTINE: B2NFAS *****

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C PURPOSE:

C SUBROUTINE TO PROVIDE A SPLINE INTERPOLATE MAKING USE OF SPECIFIED
C ASYMPTOTIC BEHAVIOUR

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C USES LABELLED COMMON /SPL3/

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C INPUT

C X=REQUIRED X-VALUE

C X(I)=KNOTS

C N=NUMBER OF KNOTS

C C1(I,J)=1ST SPINE COEFFICIENT PRECURSOR

C C2(I,J)=2ND SPINE COEFFICIENT PRECURSOR

C C3(I,J)=3RD SPINE COEFFICIENT PRECURSOR

C C4(I,J)=4TH SPINE COEFFICIENT PRECURSOR

C FORM=EXTERNAL FUNCTION SPECIFYING ASYMPTOTIC FORMS

C IFORMS=INDEX OF REQUIRED FORM

C OUTPUT

C Y=RETURNED Y-VALUE

C DY=RETURNED DERIVATIVE

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C NOTES: THIS ROUTINE IS NOT YET PROPERLY ANNOTATED

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C UNIX-IDL PORT:

C

C VERSION: 1.1 DATE: 06-03-96

C MODIFIED: TIM HAMMOND (TESSELLA SUPPORT SERVICES PLC)

C - PUT UNDER S.C.C.S. CONTROL

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INTEGER	IFORMS,	N		
REAL*8	C1(10,9),	C2(10,9),	C3(10,9)	
REAL*8	C4(10,9),	DY,	X,	XA(10)
REAL*8	Y,	YA(10)		