

## ADAS Subroutine axiups

SUBROUTINE AXIUPS (IT, C, E, P, NT, T, U)

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C ***** FORTRAN77 SUBROUTINE: AXIUPS *****
C
C PURPOSE: TO CALCULATE A SET OF USPILONS BY INTERPOLATION OF THE
C          BURGESS FIVE-POINT SPLINE
C
C INPUT:
C   IT  TRANSITION TYPE
C   C   UPSILON SCALING PARAMETER
C   E   EXCITATION ENERGY
C   P   KNOTS
C   NT  NUMBER OF TEMPERATURE POINTS
C   T   TEMPERATURE
C
C OUTPUT:
C   U   UPSILON
C
C ROUTINES:
C   AXOUPS - TO CALCULATE THE MAXWELL AVERAGED UPSILONS
C
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C
C DATE:    24 NOVEMBER 1996
C
C MODIFICATION HISTORY:
C
C VERSION: 1.1   HUGH SUMMERS   24/11/96
C MODIFIED:      FIRST RELEASE.
C
C-----
C          INTEGER          IT,          NT
C          REAL*8          C,          E,          P (5),          T (NT)
C          REAL*8          U (NT)
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