

ADAS Subroutine omeups

FUNCTION OMEUPS (IT, E, C, P, X)

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C
C ***** FORTRAN77 SUBROUTINE: OMEUPS *****
C
C PURPOSE:
C     TO CALCULATE UPSILONS
C
C CALLING PROGRAM:
C     MAXWELL
C
C INPUT:
C     (I)      IT - TRANSITION TYPE
C     (R*8)    E - EXCITATION ENRGY
C     (R*8)    C - SCALABLE PARAMETER
C     (R*8)    P - KNOT POINTS
C     (R*8)    X - COLLIDING ELECTRON ENERGY AFTER
C               EXCITATION
C
C OUTPUT:
C     (R*8) OMEUPS - THE UPSILONS
C
C ROUTINES:
C
C DATE:      21/06/95 VERSION 1.1
C AUTHOR:    A.LANZAFAME (UNIV. OF STRATHCLYDE) & D.H.BROOKS
C            CONVERTED FROM BURGESS BBC BASIC
C-----
C
C     INTEGER          IT
C     REAL*8          C,          E,          P (5),          X
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