

ADAS Subroutine axoups

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

```
C-----
C
C ***** FORTRAN77 SUBROUTINE:AXOUPS*****
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) AXOUPS - THE UPSILONS
C
C ROUTINES:
C
C WRITTEN:  CONVERSION OF OMEUPS BY A.LANZAFAME & D.H.BROOKS BY
C           HUGH P. SUMMERS, UNIVERSITY OF STRATHCLYDE
C           TEL. 0141-553-4196
C
C DATE:    24/11/96 VERSION 1.1
C
C MODIFICATION HISTORY:
C
C VERSION: 1.1  HUGH SUMMERS  24/11/96
C MODIFIED:    FIRST RELEASE
C
C-----
C
C     INTEGER          IT
C     REAL*8          C,          E,          P (5),          X
```