

ADAS Subroutine maxw9

```
      SUBROUTINE MAXW9( IT      , B      , C      , E      ,  
&                      P      , NT     , T      , U      ,  
&                      )
```

C-----

C ***** FORTRAN77 SUBROUTINE: MAXW9 *****

C
C PURPOSE: GAUSS-LAGUERRE QUADRATURE FROM BURGESS' PROGRAM
C OMEUPS

C
C INPUT:
C (I*4) IT = TRANSITION TYPE
C (R*8) B = BURGESS/SUMMERS SCALING PARAMETER - B
C (R*8) C = BURGESS/SUMMERS SCALING PARAMETER - C
C (R*8) E = EXCITATION ENERGY
C (R*8) P () = KNOTS
C (I*4) NT = NUMBER OF TEMPERATURE POINTS
C (R*8) T () = TEMPERATURES (K)

C
C OUTPUT:
C (R*8) U () = UPSILONS

C
C ROUTINES:
C OMEUPS9 - TO CALCULATE THE MAXWELL AVERAGED UPSILONS
C UPS9 - TO CALCULATE THE MAXWELL AVERAGED UPSILONS FOR ALL
C TRANSITIONS EXCEPT 'SPIN CHANGE'

C
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C - FIRST RELEASE

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INTEGER	IT,	NT		
REAL*8	B,	C,	E,	P (9)
REAL*8	T (NT),	U (NT)		