

# ADAS Subroutine ups

FUNCTION UPS (T, X, W, IT, E, C, P, C1, C2)

C-----  
C  
C \*\*\*\*\* FORTRAN 77 FUNCTION: UPS \*\*\*\*\*  
C  
C PURPOSE:  
C       TO CALCULATE UPSILONS.  
C  
C CALLING PROGRAM:  
C       MAXWELL  
C  
C INPUT:  
C       (R\*8)     T - TEMPERATURES  
C       (R\*8)     X - FIXED QUADRATURE POINTS  
C       (R\*8)     W - FIXED QUADRATURE POINTS  
C       (I)       IT - TRANSITION TYPE  
C       (R\*8)     E - EXCITATION ENERGY  
C       (R\*8)     C - OMEGA SCALING PARAMETER  
C       (R\*8)     P - BURGESS KNOTS  
C       (R\*8)     C1 - SCALING PARAMETERS  
C       (R\*8)     C2 - SCALING PARAMTERES  
C  
C OUTPUT:  
C       (R\*8)     UPS - UPSILONS  
C  
C  
C ROUTINES: NONE  
C  
C DATE:        21/06/95 VERSION 1.1  
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C              CONVERTED FROM BURGESS BBC BASIC  
C-----

INTEGER	IT			
REAL*8	C,	C1,	C2,	E
REAL*8	P (5),	T,	W (K),	X (K)