

ADAS Subroutine xxmerg

```
subroutine xxmerg( g1 , n1 ,  
&                g2 , n2 ,  
&                grid , num  
&                )
```

```
C-----  
C  
C ROUTINE: xxmerg  
C  
C PURPOSE: Merges two grids and eliminates any duplicate entries.  
C  
C CALLING PROGRAM: general use  
C  
C input : (i*4) ndeng = maximum number of energies in adf35 file.  
C input : (i*4) ndedge = maximum number of energy edges in adf35 file.  
C input : (i*4) ieng = actual number of energies.  
C  
C  
C ROUTINES:  
C      ROUTINE      SOURCE      BRIEF DESCRIPTION  
C      -----  
C      dlmerg       NETLIB      Merge two strings of ascending numbers.  
C      dcopy        NETLIB      Copies a vector, x, to a vector, y.  
C  
C NOTES: The netlib routines form part of this file.  
C  
C VERSION : 1.1  
C DATE : 01-08-2003  
C MODIFIED : Martin O'Mullane  
C           - First version.  
C  
C VERSION : 1.2  
C DATE : 16-02-2005  
C MODIFIED : Martin O'Mullane  
C           - Increase number of steps, initialize grid and perform  
C           more checks when filling grid().  
C-----  
C-----  
C  
C      INTEGER      N1,          N2,          NUM  
C      REAL*8       G1(*),      G2(*),      GRID(*)  
C      DOUBLE PRECISION TCOS(*)  
C      INTEGER      I1,          I2,          I3,          M1  
C      INTEGER      M2  
C      INTEGER      INCX,      INCY,          N  
C      REAL*8       DX(*),      DY(*)
```