

ADAS Subroutine xxeiz0

SUBROUTINE XXEIZ0 (ESYM , IZ0)

```
C-----
C
C ***** FORTRAN77 SUBROUTINE: XXEIZ0 *****
C
C PURPOSE: TO RETURN THE NUCLEAR CHARGE IZ0 FOR THE ELEMENT SYMBOL ESYM
C
C CALLING PROGRAM: GENERAL USE
C
C SUBROUTINE:
C
C INPUT : (C*2)  ESYM   = SYMBOL OF ELEMENT WITH NUCLEAR CHARGE 'IZ0'
C OUTPUT: (I*4)  IZ0    = ELEMENT NUCLEAR CHARGE
C
C          (I*4)  NSYM   = PARAMETER = NUMBER OF SYMBOLS LISTED
C
C          (I*4)  I      = GENERAL ARRAY USE
C
C          (C*2)  SYMBOL()= SYMBOLS OF FIRST 'NSYM' ELEMENTS.
C                   ARRAY DIMENSION => NUCLEAR CHARGE
C
C NOTES:   IF SYMBOL IS NOT RECOGNISED, I.E.NOT IN Z0 RANGE 1 & 'NSYM',
C           THEN THE INTEGER 'IZ0' IS RETURNED AS ZERO.
C
C ROUTINES: NONE
C
C
C AUTHOR:   PAUL E. BRIDEN (TESSELLA SUPPORT SERVICES PLC)
C           K1/0/81
C           JET EXT. 4569
C
C DATE:    21/08/90
C
C UPDATE:   15/01/91 - PE BRIDEN - ADAS91 - ARGUMENTS REVERSED
C
C MODIFIED:
C
C VERSION:  1.1 TIM HAMMOND (TESSELLA SUPPORT SERVICES PLC) 14/09/95
C           -FIRST RELEASE (UNIX PORT)
C
C VERSION:  1.2 HUGH SUMMERS          17/09/99
C           - INCREASED ELEMENT NUMBER TO 92
C
C-----
C-----
C          CHARACTER*2      ESYM
C          INTEGER          IZ0
```