

ADAS Subroutine xfesym

FUNCTION XFESYM (IZ0)

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C
C ***** FORTRAN77 CHARACTER*2 FUNCTION: XFESYM *****
C
C PURPOSE: TO RETURN THE SYMBOL FOR THE ELEMENT WITH NUCLEAR CHARGE IZ0
C           (CHARACTER*2 FUNCTION VERSION OF 'XXESYM')
C
C CALLING PROGRAM: GENERAL USE
C
C FUNCTION:
C
C           (C*2)  XFESYM  = FUNCTION NAME -
C                   SYMBOL OF ELEMENT WITH NUCLEAR CHARGE 'IZ0'
C           (I*4)  IZ0     = ELEMENT NUCLEAR CHARGE
C
C           (C*2)  SYMBOL()= SYMBOLS OF FIRST 92 ELEMENTS.
C                   ARRAY DIMENSION => NUCLEAR CHARGE
C
C NOTES:      IF NUCLEAR CHARGE IS OUT OF RANGE, I.E.NOT BETWEEN 1 & 92,
C              THEN THE CHARACTER STRING 'XFESYM' IS RETURNED BLANK.
C
C ROUTINES: NONE
C
C
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C             K1/0/81
C             JET EXT. 4569
C
C DATE:      12/02/91
C
C UPDATES:    25/10/94 L. JALOTA (TESSELLA SUPPORT SERVICES PLC)
C             CHANGED CASE OF SYMBOL TO LOWER CASE FOR UNIX
C
C VERSION: 1.2
C UPDATES:    17/09/99 HUGH SUMMERS - INCREASED ELEMENT NUMBER TO 92
C-----
C-----
C           INTEGER           IZ0
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