

ADAS Subroutine xxelem

SUBROUTINE XXELEM (IZ0 , ENAME)

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C ***** FORTRAN77 SUBROUTINE: XXELEM *****

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C PURPOSE: TO RETURN THE NAME OF THE ELEMENT WITH NUCLEAR CHARGE IZ0

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C CALLING PROGRAM: GENERAL USE

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C SUBROUTINE:

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C INPUT : (I*4) IZ0 = ELEMENT NUCLEAR CHARGE

C OUTPUT: (C*12) ENAME = NAME OF ELEMENT WITH NUCLEAR CHARGE 'IZ0'

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C (C*12) NAMES() = NAMES OF FIRST 92 ELEMENTS.

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ARRAY DIMENSION => NUCLEAR CHARGE

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C NOTES: IF NUCLEAR CHARGE IS OUT OF RANGE, I.E. NOT BETWEEN 1 & 92,

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THEN THE CHARACTER STRING 'ENAME' IS RETURNED BLANK.

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C ROUTINES: NONE

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C AUTHOR: PAUL E. BRIDEN (TESSELLA SUPPORT SERVICES PLC)

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K1/0/81

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JET EXT. 4569

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C DATE: 05/07/90

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C UPDATE: 15/01/91 - PE BRIDEN - ADAS91 - ARGUMENTS REVERSED

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C UPDATE: 25/01/91 - PE BRIDEN - ADAS91 - 'ENAME' & 'NAMES()' DECLARED

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AS C*12 INSTEAD OF C*15.

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C UNIX-IDL PORT:

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C VERSION: 1.1 DATE: 21-03-96

C MODIFIED: TIM HAMMOND (TESSELLA SUPPORT SERVICES PLC)

C

- PUT UNDER S.C.C.S. CONTROL

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C VERSION: 1.2 DATE: 17-09-99

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HUGH SUMMERS, UNIVERSITY OF STRATHCLYDE

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- INCREASED ELEMENT NUMBER TO 92.

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CHARACTER*12 ENAME
INTEGER IZ0