

ADAS Subroutine i4lgrp

FUNCTION I4LGRP (CHR)

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C
C ***** FORTRAN77 SUBROUTINE: I4LGRP *****
C
C PURPOSE: RETURNS ANGULAR MOMENTUM QUANTUN NUMBER OF ORBITAL
C          GIVEN IN THE EISSNER SINGLE HEXADECIMAL CHARACTER FORM
C
C CALLING PROGRAMS: GENERAL USE
C
C SUBROUTINE:
C
C INPUT : (C*1)  CHR      = HEX. ORBITAL CHARACTER (EG. 'A')
C
C OUTPUT: (I*4)  I4LGRP  = DECIMAL ORBITAL CHARACTER (E.G. '0')
C
C AUTHOR:  W.J.DICKSON
C
C DATE:    20/10/89
C
C UPDATE:  19/02/03  H.P. SUMMERS - EXTENDED RANGE
C
C
C UNIX-IDL PORT:
C   WILLIAM OSBORN, TESSELLA SUPPORT SERVICES PLC.
C
C DATE:    22ND APRIL 1996
C
C VERSION: 1.1 DATE: 22-04-96
C MODIFIED: WILLIAM OSBORN
C   - FIRST VERSION. NO CHANGES TO IBM CODE.
C
C VERSION: 1.2 DATE: 19/02/03
C MODIFIED: H.P. SUMMERS
C - EXTENDED RANGE
C-----
C          CHARACTER          CHR
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