ADAS Subroutine cstgrp

```
      FUNCTION CSTGRP(CHR)
C-------------------------------------------------------------------
C
C  ****************** FORTRAN77 FUNCTION: CSTGRP  ******************
C
C  PURPOSE: RETURNS TERM OF ORBITAL GIVEN IN THE EISSNER SINGLE
C           HEXADECIMAL CHARACTER FORM
C
C
C  INPUT : (C*1)  CHR    = HEX. ORBITAL CHARACTER (EG. 'A')
C
C  OUTPUT: (C*2)  CSTGRP = ORBITAL TERM   (E.G. '4F')
C
C          (I*4)  I      = GENERAL INDEX
C
C  SUBROUTINES:  NONE
C  AUTHOR: W.J. DICKSON, JET
C
C  DATE:   20/10/89
C
C UNIX-IDL PORT:
C
C VERSION: 1.1                          DATE: 22-1-96
C MODIFIED: TIM HAMMOND (TESSELLA SUPPORT SERVICES PLC)
C              - PUT UNDER SCCS CONTROL
C
C VERSION: 1.2                          DATE: 19-02-03
C MODIFIED: H.P. SUMMERS
C - EXTENDED RANGE
C                 - ALTERED ORBITALS TO INCLUDE 'J'
C                 - A POINT OF CONFUSION BETWEEN CONDON
C                   & SHORTLEY, COWAN AND ADASDR
C
C-------------------------------------------------------------------
      CHARACTER          CHR
```