ADAS Subroutine i4pgrp

```
      FUNCTION I4PGRP(CHR)
C
C-------------------------------------------------------------------
C
C  ****************** FORTRAN77 FUNCTION: I4PGRP  ******************
C
C  PURPOSE: RETURNS PARITY OF ORBITAL GIVEN THE EISSNER SINGLE
C           HEXADECIMAL CHARACTER FORM
C
C
C  INPUT : (C*1)   CHR    = HEX. ORBITAL CHARACTER (EG. 'A')
C
C  OUTPUT: (I*4)   I4PGRP = PARITY FOR ORBITAL
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: 22-1-96
C MODIFIED: TIM HAMMOND (TESSELLA SUPPORT SERVICES PLC)
C              - PUT IN DEFAULT OF ZERO FOR RETURN VALUE
C
C VERSION: 1.2                          DATE: 19-02-03
C MODIFIED: H.P. SUMMERS
C - EXTENDED RANGE
C
C-------------------------------------------------------------------
      CHARACTER          CHR
```