

ADAS Subroutine lsfun1

```
subroutine lsfun1(npt,nlf,pnlfa,fvecc,iflag)
implicit real*8(a-h,o-z)
```

```
C-----
C  PURPOSE : Program to evaluate functionals for least squares to line
C            power in Gaunt factor approximation.
C
C  COMMENT : Specific for application to program 'ADAS.FORT(POWERFIT)'
C            Necessary for input to NAG routine E04FDF
C
C
C  AUTHOR   : H.P. Summers, JET
C  DATE     : 25-2-91
C
C  UNIX-IDL PORT:
C    WILLIAM OSBORN, TESSELLA SUPPORT SERVICES PLC.
C
C  DATE:    17TH APRIL 1996
C
C  VERSION: 1.1 DATE: 17-04-96
C  MODIFIED: WILLIAM OSBORN
C    - FIRST VERSION
C
C  VERSION: 1.2 DATE: 25-04-96
C  MODIFIED: WILLIAM OSBORN
C    - ADDED IFLAG FOR CALLS BY LMDIF1 RATHER THAN E04FDF
C
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```

```
INTEGER          IFLAG,          NLF,          NPT
REAL*8           FVECC(NPT),     PNLFA(NLF)
```