

ADAS Subroutine argam

```
C
      function argam( l , a )
C-----
C
C ***** fortran77 function: argam *****
C
C purpose:  calculates arggamma(l+1+i*a) where l is an integer not
C           less than zero
C
C
C subroutine:
C
C input  : (i*4)  l          = angula momentum >=0
C input  : (r*8)  a          = real argument
C
C output: (r*8)  argam      = arggamma(l+1+i*a)
C
C routines:
C         none
C
C author:  h. p. summers, university of strathclyde
C         ja7.08
C         tel. 0141-548-4196
C
C date:    06/06/02
C
C update:
C
C VERSION: 1.1                      DATE: 04-07-96
C MODIFIED: WILLIAM OSBORN
C         - FIRST VERSION.
C VERSION: 1.2                      DATE: 14-06-2000
C MODIFIED: Martin O'Mullane
C         - changed definition from real argam*8().
C
C VERSION: 1.3                      DATE: 19-12-01
C MODIFIED: Martin O'MULLANE
C         - Removed junk from > column 72.
C
C VERSION: 1.4                      DATE: 18-03-03
C MODIFIED: Hugh Summers
C         - Re-written and updated.
C-----
C-----
      INTEGER          L
      REAL*8           A
```