ADAS Subroutine a8gser

```
          subroutine a8gser( gamser, a    , x    , gln )
c----------------------------------------------------------------------
c
c  ******************** fortran77 function a8gser ******************
c
c  purpose: to evaluate the series expansion for the incomplete gamma
c           function p(a,x) - based on numerical recipes
c
c  calling program:  a8gamp.for
c
c  input:
c          (r*8)  a      = parameter of p(a,x)
c          (r*8)  x      = paramete of p(a,x)
c  output:
c          (r*8)  gamser = incomplete gamma function gamma(a,x)
c                          (n.b. for x<0 takes principal value of
c                           logarithm)
c          (r*8)  gln    = ln(gamma(a))
c
c
c  routines:
c            none
c            a8gaml    adas    obtains log(gamma(a))
c
c  author:   Hugh Summers, University of Strathclyde ext.4196
c
c
c  version 1.1                          date:    25/06/99
c  modified: Hugh Summers
c  - first release
c
c----------------------------------------------------------------------
       REAL*8               A,           GAMSER,    GLN,          X
```