Subject: incomplete gamma fcn
Posted by mfishler on Thu, 20 Oct 1994 15:42:54 GMT
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Hi,

Does anyone have (or know of a location to find) the code for
evaluation of the incomplete gamma function? I'm using pv-wave,
but I'm not too picky (mainly since I don't think it should matter
much in this case).

Thanks a bunch,
==Matthew

```
 +---------+------------------------------------+-------- --------------+
|(_|_  |  M a t t h e w   G.   F i s h l e r  |          |
|   ___ | The Johns Hopkins School of Medicine |  "It is a miracle  |
|  (_) )| 720 Rutland Ave --- 701 Traylor Bldg |   that curiosity   |
|   _   |          Baltimore, MD  21205        |   survives formal  |
|  (_   | tel:(410)955-0077  fax:(410)955-0549 |    education."    |
|  (_   |      e-mail: mfishler@bme.jhu.edu     |  --Albert Einstein |
 +---------+------------------------------------+-------- --------------+
```

Subject: Re: incomplete gamma fcn
Posted by Jackel on Thu, 20 Oct 1994 23:04:01 GMT
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In article <38635u$76u@jhunix1.hcf.jhu.edu> mfishler@bme.jhu.edu (Matthew Fishler) writes:
> From: mfishler@bme.jhu.edu (Matthew Fishler)
> Subject: incomplete gamma fcn
> Date: 20 Oct 1994 15:42:54 GMT

> Hi,

> Does anyone have (or know of a location to find) the code for
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> Thanks a bunch,
> ==Matthew

Here's some info which appeared on the sci.math.num-analysis newsgroup
a couple weeks back:
 -- ------------------
> From: vsnyder@math.jpl.nasa.gov (Van Snyder)

> Please tell me if you know of an algorithm for computing the incomplete
> gamma function(s) gamma(a,ix) or Gamma(a,ix), or, equivalently, the
> Boehmer integrals C(a,x) and S(a,x), for real a and x.

Try complex Incomplete Gamma Function by Eric Kostlan and myself.

Anonymous ftp:
 code
 paper

Dmitry Gokhman -> gokhman@ringer.cs.utsa.edu
click here
Brahms Gang/Math/UT San Antonio   - fiat bux -
 -- ------------------

I got the paper, but haven't yet coded it into IDL. Doesn't look too bad,
but it will be fairly loopy. If you code it up, please post it.

   Brian Jackel
   University of Western Ontario
   jackel@canlon.physics.uwo.ca

Subject: Re: incomplete gamma fcn
Posted by landers on Mon, 24 Oct 1994 14:56:18 GMT
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PV-WAVE:Advantage has a complete gamma function - GAMMAI(a,x).

I have not used this, but it's there - it would be a call to the IMSL
function GAMI.

;Dave