
Subject: elliptic integrals

Posted by [Tom Intrator](#) on Tue, 25 Jan 2000 08:00:00 GMT

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do you have any thing that would compute elliptic integrals?

I need the complete ones K,E but for arguments $m > 1$ (terminology as per Abramowitz and Stegun) This requires computation of some incomplete ones as well

I am using IDL for this

thanks

Tom Intrator

Subject: Re: elliptic integrals

Posted by [Gray](#) on Wed, 09 Feb 2011 20:51:59 GMT

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On Feb 9, 1:03 pm, Jeremy Bailin <astroco...@gmail.com> wrote:

> To answer my own question, it looks like there is with the IMSL license. Oh well.

>

> -Jeremy.

I actually spent some time on that problem a little while ago. I'll take a look and see if I can find what I wrote.

Subject: Re: elliptic integrals

Posted by [Gray](#) on Wed, 09 Feb 2011 20:56:25 GMT

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On Feb 9, 3:51 pm, Gray <grayliketheco...@gmail.com> wrote:

> On Feb 9, 1:03 pm, Jeremy Bailin <astroco...@gmail.com> wrote:

>

>> To answer my own question, it looks like there is with the IMSL license. Oh well.

>

>> -Jeremy.

>

> I actually spent some time on that problem a little while ago. I'll

> take a look and see if I can find what I wrote.

Oh, ok. I think what I ended up doing was using QROMB() and defining a function to evaluate the elliptic integral as defined by wikipedia.

You could certainly use something more sophisticated.
