Subject: qsimp, qromb, qromo
Posted by gnarloo on Thu, 03 Jun 2004 19:46:15 GMT
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Dear all,
I'm new to this newsgroup so first of all, hello everybody!

The problem i encountered is the following:

I tried to use
qsimp and qromb to integrate a couple of functions (scattering
problems, nothing special) but the system crashes..

I tried to integrate cos(x) between 0 and pi (the result is obviously
zero)
and these functions give out some kind of error message but not the
result..

so i turned to write the code myself as i used to do when i was an
undrgraduate student using old riemann sums and old fortran, but as
this approach is a bit time-consuming i have one question:

is there any trick I can use or these functions only sometimes work?
(for example if you integrate sin(x) on the same interval as above
they give out
the right result.

Personally I can't believe the problem is in the algorithm (Simpson
rule works, Romberg method I don't know it)...

thanks very much indeed for your help
bye
michael

Subject: Re: qsimp, qromb, qromo
Posted by K. Bowman on Thu, 10 Jun 2004 19:17:23 GMT
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In article <b3eff7b0.0406101021.7f3835ef@posting.google.com>,
 gnarloo@libero.it (michele) wrote:

> dear craig thanks very much for your answer
> and for all the routines you made available on your web site.
>
> just one more favour,
> do you know an alternative to IDL standard routine to find eigenvectors and
> eigenvalues of a complex symmetric matrix (real on the diagonal and

> complex conjugate elsewhere??)
> it sometimes crashes...

Are you using LA_EIGENQL or the older EIGENQL? LA_EIGENQL is based on LAPACK and should be quite robust.

Ken Bowman
