Subject: Re: gsimp, gromb, gromo Posted by mmeron on Thu, 03 Jun 2004 21:17:22 GMT View Forum Message <> Reply to Message In article <b3eff7b0.0406031146.1be4bb29@posting.google.com>, gnarloo@libero.it (michele) writes: > 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 gromb 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.

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> Personally I can't believe the problem is in the algorithm (Simpson

> rule works, Romberg method I don't know it)...

I'm not much familiar with IDL's implementation of Romberg's method since I'm using my own. So, from my own experience, I can attest that Romberg, when properly implemented, works beautifully.

Mati Meron | "When you argue with a fool, meron@cars.uchicago.edu chances are he is doing just the same"