
Subject: Re: 4/6-dimensional numerical integration?
Posted by [Craig Markwardt](#) on Fri, 11 Oct 2002 18:48:41 GMT
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Arne Gennerich <agenner@gwdg.de> writes:

> Craig Markwardt wrote:

>

>> Arne Gennerich <agenner@gwdg.de> writes:

>>> Hi Folks!

>>>

>>> Who can provide me IDL-functions which can calculate 4- and

>>> 6-dimensional numerical integrals?

>>

>> Probably you will have to provide it for yourself. I have wanted to

>> make an extension to my QUADPACK integrator to support

>> multi-dimensional integrals, but haven't gotten around to it yet. If

>> your integration hypervolume is rectangular then it is pretty trivial.

>> However, when you get to high enough dimensions, you probably want to

>> use Monte Carlo, no?

>>

>> Craig

>>

>

> Thanks Craig for your answer! Probably the Monte Carlo Integration is a good

> suggestion. Is the random number generator RANDOMN usefull for this approach?

> Any experience?

I am satisfied with RANDOMN and RANDOMU, but I have not subjected it to the torture tests that statisticians would. There have been problems with non-randomness in those routines in the past.

Craig

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Craig B. Markwardt, Ph.D. EMAIL: craigmnet@cow.physics.wisc.edu
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
