Subject: Re: 6 dimensional integral with INT_3D?
Posted by Kenneth P. Bowman on Mon, 05 May 2008 14:14:57 GMT
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In article
<f34508e8-e833-4774-882f-3d5ca670d012@q24g2000prf.googlegroups.com>,
 Sid <siddharth.iucaa@gmail.com> wrote:

> Hello,
>
> I am wondering if it is possible to use INT_3D to perform a six-
> dimensional integral. The function I am looking at is of the form
> exp(f(x,y,z,t,x1,y1)). The limits are constants, not functions.
>
> Any help will be greatly appreciated.
>
> Thanks,
>
> Sid

Multidimensional integrals are not easy. Perhaps IDL is not the tool
for the job. Have you considered Mathematica?

Ken Bowman

Subject: Re: 6 dimensional integral with INT_3D?
Posted by Sid[2] on Tue, 06 May 2008 04:44:30 GMT
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Dear Ken,

Thanks for the reply.

Do you know if routines from "Numerical Recipes" are available in IDL?

Thanks,

Sid

On May 5, 7:14 am, "Kenneth P. Bowman" <k-bow...@null.edu> wrote:
> Multidimensional integrals are not easy. Perhaps IDL is not the tool
> for the job. Have you considered Mathematica?
>
> Ken Bowman

Subject: Re: 6 dimensional integral with INT_3D?
Posted by Kenneth P. Bowman on Tue, 06 May 2008 12:26:44 GMT
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In article
<ea371cab-4336-4613-a0ac-5bd000939579@k10g2000prm.googlegroups.com>,
 Sid <siddharth.iucaa@gmail.com> wrote:

> Dear Ken,
>
> Thanks for the reply.
>
> Do you know if routines from "Numerical Recipes" are available in IDL?
>
> Thanks,
>
> Sid
>
> On May 5, 7:14 am, "Kenneth P. Bowman" <k-bow...@null.edu> wrote:
>> Multidimensional integrals are not easy. Perhaps IDL is not the tool
>> for the job. Have you considered Mathematica?
>>
>> Ken Bowman

Some are, look in the index for "NR_".

Ken Bowman

Subject: Re: 6 dimensional integral with INT_3D?
Posted by Brian Larsen on Tue, 06 May 2008 14:21:32 GMT
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> Do you know if routines from "Numerical Recipes" are available in IDL?

Many of them are. Just look in the IDL help and see if the one you
want is there. It is also possible to use call_external() to use the
NR code directly.

Cheers,

Brian

 ---------- ----------
Brian Larsen
Boston University

Subject: Re: 6 dimensional integral with INT_3D?
Posted by d.poreh on Tue, 06 May 2008 16:10:59 GMT
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On May 6, 4:21 pm, Brian Larsen <balar...@gmail.com> wrote:
>> Do you know if routines from "Numerical Recipes" are available in IDL?
>
> Many of them are. Just look in the IDL help and see if the one you
> want is there. It is also possible to use call_external() to use the
> NR code directly.
>
> Cheers,
>
> Brian
>
> ----------
> Brian Larsen
> Boston University
> Center for Space Physicshttp://people.bu.edu/balarsen/Home/IDL

what does it mean Brian (NR!!!)?

Subject: Re: 6 dimensional integral with INT_3D?
Posted by Jean H. on Tue, 06 May 2008 17:11:06 GMT
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d.poreh@gmail.com wrote:
> On May 6, 4:21 pm, Brian Larsen <balar...@gmail.com> wrote:
>>> Do you know if routines from "Numerical Recipes" are available in IDL?
>> Many of them are. Just look in the IDL help and see if the one you
>> want is there. It is also possible to use call_external() to use the
>> NR code directly.
>>
>> Cheers,
>>
>> Brian
>>
>> ----------
>> Brian Larsen
>> Boston University
>> Center for Space Physicshttp://people.bu.edu/balarsen/Home/IDL
>

> what does it mean Brian (NR!!!)?

NR like in Numerical Recipes.....
