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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

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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

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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

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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

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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 <[balarsen@gmail.com](mailto:balarsen@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 Physics<http://people.bu.edu/balarsen/Home/IDL>

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

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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](mailto:d.poreh@gmail.com) wrote:  
> On May 6, 4:21 pm, Brian Larsen <[balarsen@gmail.com](mailto:balarsen@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 Physics<http://people.bu.edu/balarsen/Home/IDL>  
>

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

NR like in Numerical Recipes.....

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