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Subject: Re: How to plot the magnetic field vector along the trajectory  
Posted by [duxiyu@gmail.com](mailto:duxiyu@gmail.com) on Thu, 13 Mar 2008 12:40:35 GMT  
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I am not sure what the 'iddemo' means and cannot find its information in IDL Help.  
Could you introduce it in detail?

Du

On Mar 13, 1:00 am, mankoff <mank...@gmail.com> wrote:  
> On Mar 12, 11:09 am, Lasse Clausen <la...@lbnc.de> wrote:  
>  
>  
>  
>> On 12 Mar, 15:45, David Fanning <n...@dfanning.com> wrote:  
>  
>>> Lasse Clausen writes:  
>>>> We are not throwing away anything, we are merely projecting into the  
>>>> XY plane... ;-) You have to project somewhere as the computer screen  
>>>> is not capable of displaying 3D - nor is paper, incidentally. And the  
>>>> usual way to do this kind of thing is to provide three plots, one in  
>>>> the XY plane, one in XZ and one in YZ. You then have to assemble the  
>>>> 3D picture in your head.  
>  
>>> Or, you could envision an object graphics solution with  
>>> an "earth" and "satellite" revolving around it, casting  
>>> a shadow trajectory onto the earth with a magnetic vector  
>>> rotating about in the plane of the satellite.  
>  
>>> All I'm saying is, the question lacked enough detail,  
>>> for whatever good reason, to know how to form a sensible  
>>> answer. And that when you ask better questions, you get--  
>>> generally--better answers.  
>  
>>> I agree that this question was borderline for such a  
>>> response. Even I could tell English was not the first  
>>> language. But coming, as it did, at the end of a long  
>>> day and after several seriously bad questions from the  
>>> past week, I just thought a reminder might be useful. :-)  
>  
>>> Cheers,  
>  
>>> David  
>>> --  
>>> David Fanning, Ph.D.  
>>> Fanning Software Consulting, Inc.  
>>> Coyote's Guide to IDL Programming:<http://www.dfanning.com/>

>>> Sepore ma de ni thui. ("Perhaps thou speakest truth.")  
>  
>> As I said earlier, the question did not lack detail for me because I  
>> have seen lots of these kind of plots before, so I was pretty sure  
>> what was asked for. But I can also see that it would be confusing if I  
>> hadn't seen these plots before.  
>  
>> More importantly, IDL can do that sort of thing? With shadows and all?  
>> Object graphics I hear you say... Mmmm, so far I have ignored  
>> everything involving object graphics. Well, maybe one fine day.  
>  
>> Cheers  
>> Lasse Clausen  
>  
> Play around with "idldemo". There is a satellite orbiting the earth (I  
> think with Ground Track). The earth is rotating. Clouds are rotating  
> separately from Earth, etc.

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