
Subject: Re: How to plot the magnetic field vector along the trajectory

Posted by [mankoff](#) on Wed, 12 Mar 2008 17:00:26 GMT

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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.

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>> 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.
