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

Posted by [lasse](#) on Wed, 12 Mar 2008 15:09:41 GMT

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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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> 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

