Subject: Re: How to plot the magnetic field vector along the trajectory
Posted by mankoff on Thu, 13 Mar 2008 13:33:29 GMT
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On Mar 13, 8:40 am, "dux...@gmail.com" <dux...@gmail.com> wrote:
> I am not sure what the 'idldemo' 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.
>
>

Type "idldemo" at the *nix CLI, or "demo" at the IDL> prompt in IDL to
see the demo.
