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Subject: Re: plotting a vector field in 3d

Posted by [Petros Syntelis](#) on Wed, 26 Jun 2013 09:02:15 GMT

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On Friday, June 21, 2013 1:14:12 PM UTC+3, Petros Syntelis wrote:

> Hi,

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> I am trying to plot a vector field in 3d and i have great difficulty in doing so.

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> I have 3 variable, bx,by,bz that have (nx,ny,nz) dimentionions which represent the vector field.

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> My questions are:

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> 1) How can i plot this vector field. I have tryied a variety of things (flow3 etc) i found online but all advices seems to lack some part of information and i fail to reproduce the results.

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> I also whould like a hint on how i could overplot those lines above an xy image on the bottom of the plot.

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> 2) Is there a way to trace the field lines and have, lets say 3 variables of dimentionions (nlines,nx),(nlines,ny),(nlines,nz)?

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> 3) Because i am pretty sure that no answer whould be sufficient explanatory, as you can't explain everything in a group discussion, which book/references whould you recommend me to read?

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>

>

> Thank you very much,

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> Petros

I really thank you all for your answers! After reading Mike's article i got a little bit disappointed from the examples that use IDL routines.

But this paper you had on different techniques might prove to be usefull!

Thanks again,

Petros

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