
Subject: Re: field plot

Posted by [Kenneth Bowman](#) on Mon, 05 Mar 2007 20:06:03 GMT

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In article <1173048071.392401.319730@v33g2000cww.googlegroups.com>, "kostis" <kostiskaz@gmail.com> wrote:

- > How do I plot a 3d vector field , and preferably in cylindrical
- > coordinates??
- > Is there a command similar to PLOT_FIELD for 2d?
- > Does anyone have a clue??

Unfortunately, IDL does not have the relatively comprehensive support for coordinate systems and plot methods that one finds, for example, in Mathematica. I attribute this (perhaps erroneously) to the fact that the dominant legacy in IDL is image processing, rather than applied math and mathematical physics.

Given the (lack of) interest from ITTVIS in direct graphics, this is unlikely to change, in that domain at least.

Streamlines pose some real challenges, but vector plotting support should be much better than it is (in my opinion), especially when it comes to plotting vectors on maps.

Ken Bowman
