Subject: Re: plot of implicit function
Posted by Andrea[1] on Tue, 23 Nov 2010 10:13:30 GMT
View Forum Message <> Reply to Message

On Nov 19, 11:56 am, Wox <s...@nomail.com> wrote:
> On Fri, 19 Nov 2010 02:34:04 -0800 (PST), Andrea
>
> <negri.an...@gmail.com> wrote:
>>>> f(R,phi,z)=t
>>>> g(R,phi,z)=t
>>>> h(R,phi,z)=t
>
> Ah, I see. So for each t you need to solve a non-linear system of
> equations (3 eq., 3 var.) in order to get the position (R,phi,z) of
> the particle (or whatever) at time t.
>
> You could use NEWTON or BROYDEN to find (R,phi,z) for each t. Off
> course your "Vecfunc" changes every time (for each t), so you have to
> use a global variable t.
>
> Can't think of anything else...

Fortunatley the velocity field is stationary.
Thanks a lot for help!

Andrea