Subject: Re: overplotting contours on tvimage....
Posted by Nikola on Tue, 09 May 2017 11:40:19 GMT

On Monday, May 8, 2017 at 8:50:18 PM UTC+1, M Q wrote:
> Hello,
>
> I'm trying to overplot contour lines on an image made with David Fanning's TVIMAGE command.
>
> I'm doing something like this:
>
>
> data=world()   ;360x360 array, ranges from 0 to 254
> tvimage,data,position=[.5,.5,.6,.6] ; I need to do multiple plots
>
> contour,/overplot,data,levels =[100,150,200]
>
> No contours show up.
>
> I've thought about doing a congrid command something like this:
>
> data2 = congrid(data,x_panel_size, y_panel_size)
> contour,data2,/overplot,levels =[100,150,200]
>
> but I can't figure out how to get the size of the current plot, that is, the image I plotted at position= [.5,.5,.6,.6].
>
>
> Any suggestions would be welcome. I've been banging my head against the wall for a couple of days now.
>
> Mark

I guess that the problem is that you have to set the axes when using TVIMAGE (in the latest version, set the keyword AXES). Then you have to use the same axes (same range in X and Y) when you overplot the contour.

I can't quickly test it now as I don't use the latest Coyote's library, but this may give you a hint where the problem is.