
Subject: Re: Gridding Wizard preview
Posted by [penteado](#) on Mon, 28 Jun 2010 15:30:02 GMT
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On Jun 28, 12:03 pm, Ally <ally.desh...@gmail.com> wrote:
> When the gridding wizard launches in any of the iTools there is the
> nice preview graph that is color coded and has a key on the right hand
> side. Is there any way to get the program to graph that graph
> itself?

The preview is a 2D plot with each point in x,y as a square colored by its z value (as iplot would make), with a contour plot over it (as iconour would make). Depending on how densely distributed your points are, this may look more like a continuous image (as image would make). You just need to use tool that gives you the kind of visualization you want.

Subject: Re: Gridding Wizard preview
Posted by [Ally](#) on Mon, 28 Jun 2010 19:19:57 GMT
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On Jun 28, 11:30 am, Paulo Penteado <pp.pente...@gmail.com> wrote:
> On Jun 28, 12:03 pm, Ally <ally.desh...@gmail.com> wrote:
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> are, this may look more like a continuous image (as image would make).
> You just need to use tool that gives you the kind of visualization you
> want.

I want it to look exactly like the preview. My points are pretty densely distributed so there's a clump but when I plot in in iplot it is just a line and when I plot it in iconour it looks nothing like the preview. And neither iplot no iconour plot it in color. How do I fix this?

Subject: Re: Gridding Wizard preview
Posted by [penteado](#) on Mon, 28 Jun 2010 19:56:24 GMT
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On Jun 28, 4:19 pm, Ally <ally.desh...@gmail.com> wrote:

> I want it to look exactly like the preview. My points are pretty
> densely distributed so there's a clump but when I plot in iplot it
> is just a line and when I plot it in iconour it looks nothing like
> the preview. And neither iplot no iconour plot it in color. How do
> I fix this?

If they are dense enough, an iimage will look about the same. To make the iplot with the colors given by the value at each point, use something like

```
iplot,x,y,vert_colors=bytsc(z),/  
scatter,sym_index=6,sym_thick=2.,rgb_table=rgb_table
```

where rgb_table is either the colortable number (if one of the default tables), or the table itself (a [3,256] or a [256,3] byte array). The one used in the gridding wizard is the rainbow table (13), not a good one.

Colors for contours are specified in a similar way:

```
zmin=min(z,max=zmax)  
nl=10  
values=zmin+(zmax-zmin)*dindgen(nl)/(nl-1d0)  
colors=dindgen(nl)*255/(nl-1d0)  
icontour,n_levels=nl,c_value=values,rgb_indices=colors,rgb_table=rgb_table
```
