
Subject: Re: cgImage abscissa values in axis feature
Posted by [David Fanning](#) on Fri, 28 Mar 2014 20:28:26 GMT
[View Forum Message](#) <> [Reply to Message](#)

Petros Syntelis writes:

> Sorry for the confusion. The trick with the cgcontour solved my problem.

Really!?

> When i told you about
> cgImage, data, /axis, xabscissa=x, yabscissa=y
> meaning that the result would work for both uniform and non uniform x and y, without getting
into more trouble, as the
> cgcontour, data, x,y
> does already

Can you give me an example of x and Y vectors that "solve" this problem
for you with cgContour? Apparently I don't understand what you mean,
because I don't see how this can apply to cgImage in both the uniform
and non-uniform cases.

> Of course
> cgImage, data, /axis, xr=[min(x),max(x)], yr=[min(y),max(y)]
> and
> cgImage, data, /axis, xabscissa=x, yabscissa=y
> would be equivalent only for uniform grid!

I get this.

> Now in terms of the keystrokes, the in uniform grid, i think
> cgImage, data, /axis, xa=x, ya=y
> is better than
> cgImage, data, /axis, xr=[min(x),max(x)], yr=[min(y),max(y)]

You are probably right, but most of the images I work with are map
projected images from satellites and it is extraordinarily easy to get X
and Y ranges from the coordinate objects associated with these images.

> And in the non uniform grid
> cgImage, data, /axis, xa=x, ya=y
> is better than
> cgContour, data, /nodata, /noerase, OPosition=opos
> cgImage, image, OPOSITION=opos, /noerase,/over
> cgContour, data, /nodata, /noerase, Position=opos

I really fail to see how this works with a non-uniform grid. You don't
want pixel values to be stretched, do you?

> Both are more simple and more intuitive. At least for me!

Yes, I can believe that, although I would be hard pressed to come up with vectors for the images I work with.

> From your amazing work concerning usability and simplicity in idl graphics, I assume that a fan of simplicity such as yourself would like to get new ideas on how to improve the usability of his software!

Let me tell you a story.

There is a trail near my house on a creek. I've been walking it regularly for the past month or so, and I've noticed it is totally trashed out. So, when I want a break from work I go down there with a trash bag and pick up the trash. In two weeks, I've carried about 50 pounds of trash home from a maybe a half mile stretch of trail.

This is a well used trail, so maybe 150 people have seen me picking up trash. Three people have thanked me. The rest give me a wide berth, assuming, probably, that I am doing community service for the Sheriff.

Yesterday, when I was walking on the trail (pretty clean now!) I noticed something new. People have noticed that *someone* is cleaning up the trail, so they are leaving their little bags of dog shit near a trail marker so I can pick those up, too.

I tell you this story because there are days, sometimes weeks, when I feel incredibly taken advantage of. I've lost my spiritual mojo, you could say. This is one of those weeks.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thue. ("Perhaps thou speakest truth.")
