Subject: Re: Zooming in place
Posted by JD Smith on Tue, 01 Nov 2005 21:00:49 GMT
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On Mon, 31 Oct 2005 17:38:29 -0500, Paul Van Delst wrote:

> JD Smith wrote:
>>
>> Just my $0.02 on the "best" algorithm for in-place zooming. My viewer
>> (which might be released one of these days) lets you select a zoom
>> region with a rubber-band, or just click to double the zoom. The final
>> selected region is zoomed up in integer multiples to maximally fill the
>> display window, and the rest of the window defaults to some neutral
>> background color. Single right clicks zoom you out one step, and double
>> right-clicks zoom you out "all the way". Works fairly well, in
>> practice.
>
> I like that approach (the either rubber-band or simple
> click-to-double-zoom).
>
> One GUI who's functionality I have always wanted in IDL for both regular
> old x-y plots and images is that of map zooms like you see at yahoo or
> msn. You can click and zoom (with a little indicator on the side telling
> you your "zoom level") or you can turn off the zoom once you've achieved
> your required level and the click just recenters the display (or you have
> buttons at the N-S-E-W edges, and corners). One thing I always find when
> looking at data in IDL is that once I've zoomed (via rubber-band) to the
> level I want, I would like to traverse my plot. The only way I can do that
> now is to unzoom (right button click) and then zoom in again on a
> different part of my plot. It works, but unfortunately I no longer have
> the luxury of time to further develop my simple tool (I thought the yearly
> maintenance fee would be a good substitute but, alas, that scenario hasn't
> eventuated), and, jeez, this is the 21st century for pete's sake. :o)
> When I look over the shoulder of matlab users they're zooming and moving
> and bee-bopping all over the place! I think I'm developing data-language
> envy :o(actually, :o)

Actually my tool takes care of that as well. When you are zoomed
in, you can middle-click drag to pan right around inside the zoomed image.
Very useful, and better in my opinion than tiny little versions of the
image to pan the view rect inside. This is just for images, mind you, not
plots.

JD