
Subject: Re: Combined wavelet and cgImage question (and problem)

Posted by [David Fanning](#) on Sat, 06 Oct 2012 19:00:34 GMT

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Balthasar Indermuehle writes:

> Secondly, I've spent several hours now trying various combinations of cgImage, cgPlot, cgAxis to get the axes on the wavelet plot to reflecting what's really there... and not just the axis value index number (as the /AXES option does). The one avenue that seems most promising is cgPlot with /nodata to set up the axes, then use cgImage to draw the picture data. But then I'd need the tick marks to face outside, but the tick_direction keyword is not supported with plot, or axis or any other commands really. And what the hell is up with xa = axis('x'....) not being the same as axis, 'x'... they're apparently fundamentally different calls that don't support the same arguments?

Can't help you with the wavelet questions, but I'd display the image like this:

```
IDL> cgimage, cgdemodata(7), xrange=[-180,180], yrange=[-90,90], $  
      axkeywords={ticklen:-0.025}, margin=0.1, /axes
```

You use X RANGE and Y RANGE keywords to specify the data range, AXES to display the axes, and AXKEYWORDS to pass a structure that can configure the axes in any way you like, using the usual AXIS keywords.

Cheers,

David

--

David Fanning, Ph.D.

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

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

Subject: Re: Combined wavelet and cgImage question (and problem)

Posted by [Balthasar Indermuehle](#) on Sun, 07 Oct 2012 00:10:25 GMT

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Thanks David, as usual your shortest solutions are the best! Now if only I had an inkling what that wavelet transform returning to me... based a google search, that function either is completely self explanatory to everyone but me, or nobody uses it!

Cheers

- Balt

Subject: Re: Combined wavelet and cglImage question (and problem)

Posted by [David Fanning](#) on Sun, 07 Oct 2012 01:07:03 GMT

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Balthasar Indermuehle writes:

> Thanks David, as usual your shortest solutions are the best! Now if only I had an inkling what that wavelet transform returning to me... based a google search, that function either is completely self explanatory to everyone but me, or nobody uses it!

You are the first person I ever heard about using it. ;-)

Cheers,

David

--

David Fanning, Ph.D.

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