

Folks,

One of the tenets of Coyote Graphics is that if and when you create raster file output from a graphics window, it should look as much as possible like the contents of the graphics window (in truth, it will look much **better**). As you know, this is done via PostScript intermediary files with raster conversion via ImageMagick.

The way I have been doing it results in raster file output that is **approximately** the size of your graphics window, but there was no exact control over the dimensions of the final raster file.

This lack of control has made it difficult to produce graphical output for inclusion on web pages, where I would like all images sized to the same relative dimensions.

To address this problem, I have added a new IM_WIDTH keyword to PS_END. With this keyword, you can specify the final output width of raster file output created with ImageMagick. For example, these commands will now result in an output PNG file that is exactly 800 pixels wide:

```
PS_Start
cgHistoplot, cgDemodata(7), /Fill
PS_End, /PNG, IM_WIDTH=800
```

The height will be adjusted automatically to maintain the correct aspect ratio of the output (thus, preserving the Coyote Graphics tenet described above).

The IM_WIDTH keyword has been extended to **all** the Coyote Graphics routines that create raster output via ImageMagick. So, for example, if you want **all** your raster files to have a width of 725 pixels, you could set it up like this:

```
cgWindow_SetDefs, IM_WIDTH=725
```

Now, if you created a plot and made a raster file out of it, it would be exactly 725 pixels wide:

```
cgPlot, cgDemodata(1), Output='myplot.png'
```

Or, you could put a plot in a resizable graphics window and direct all the raster file output from that window to be 650 pixels wide:

```
cgContour, cgDemoData(2), /Fill, /Outline, /Window  
cgControl, IM_WIDTH=650
```

Note that using `cgWindow_SetDefs` to set the width will also apply to `cgWindow` output. Set the `IM_WIDTH` keyword to 0 to turn off this feature:

```
cgWindow_SetDefs, IM_WIDTH=0
```

Changes have been made to 13 Coyote Graphics files to implement this new feature. This would be a good time to update your Coyote Library. :-)

<http://www.idlcoyote.com/programs/coyoteprograms.zip>

Cheers,

David

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David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

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