
Subject: Automatic Output to PS and Raster in Coyote Graphics

Posted by [David Fanning](#) on Fri, 09 Dec 2011 18:40:51 GMT

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Folks,

Yesterday's announcement of big changes in Coyote Graphics routines was so...well, let's just say this is a pretty hard group to impress. So, Coyote and I decided to pull an all-nighter and come up with something REALLY good for you. (Most of Coyote's suggestions were, you know, not appropriate, but nothing new there!)

Anyway, we are trying again today with the announcement that Coyote Graphic routines can now send their output *directly* to PostScript and raster output files via a new OUTPUT keyword. The allowed values are:

- 'PS' - PostScript file
- 'EPS' - Encapsulated PostScript file
- 'PDF' - PDF file
- 'BMP' - BMP raster file
- 'GIF' - GIF raster file
- 'JPEG' - JPEG raster file
- 'PNG' - PNG raster file
- 'TIFF' - TIFF raster file

You will be asked for the name of the output file, unless you specify it with the OUTFILENAME keyword. The following Coyote Graphics routines allow this functionality: cgBarPlot, cgBoxPlot, cgHistoPlot, cgPlot, cgContour, cgImage, cgSurf, and cgShadeSurf.

This functionality assumes you have the usual third-party conversion software (ImageMagick and Ghostview or the equivalent) installed. It should not be used for multiple plots. It is really just a convenience for creating a single plot in a PostScript or raster file.

Taking advantage of the new OUTLINE keyword to cgContour, here is how you could make a PNG file of a filled contour plot:

```
cgLoadCT, 33, NColors=8, Bottom=1
cgContour, cgDemoData(2), NLevels=8, C_Colors=Indgen(8)+1, $
  /Fill, /Outline, Output='PNG', Outfilename='cgcontour.png'
```

As usual, Coyote Graphics documentation is here:

<http://www.idlcoyote.com/idldoc/cg/index.html>

And the Coyote Library code is here:

http://www.idlcoyote.com/programs/zip_files/coyoteprograms.zip

Cheers,

David

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

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