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Subject: Re: Coyote Library Updated

Posted by [David Fanning](#) on Wed, 15 Jan 2014 16:17:55 GMT

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Fabien writes:

> Does that mean that producing raster output is  
> slower than before? I always felt that producing raster images out of  
> the EPS plots was quite slow (I know this has nothing to do with coyote  
> but with imagemagick).

OK, this was much slower (2.25 seconds verses about 1.35 seconds). The huge advantage of the two-command solution is that I could easily get the dimensions of the image, which is required if I want to use the HEIGHT keyword in addition to the WIDTH.

So, in order to do this correctly, I need the dimensions of the PostScript file. These are available in the Bounding Box values that are written into every PostScript file, as far as I know. Anyway, I had to write a program, cgPSDims, to get these values so I can do the resizing correctly when the HEIGHT keyword is used.

I think it is all working correctly now. Some sampling timings:

No resizing at all. 1.85 sec.

Normal resizing to 25%: 1.36

Resizing with WIDTH keyword: 1.32

Resizing with HEIGHT keyword: 1.33

Incidentally, I forgot to mention this yesterday. I also added an IM\_COMMAND keyword to cgPS2Raster that will return the exact ImageMagick command I use for creating the raster file. If the keyword is used, the command is returned, but the SPAWN of the command doesn't happen. I thought this might help the Mac guys who for God only knows what reason can't spawn ImageMagick commands, although the same command works perfectly at the UNIX command line.

Coyote Library here:

[http://www.idlcoyote.com/programs/zip\\_files/coyoteprograms.zip](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 thue. ("Perhaps thou speakest truth.")

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