
Subject: Re: Coyote Graphics PS/PDF output size/orientation
Posted by [Paul Levine](#) on Wed, 14 Aug 2013 03:24:42 GMT
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On 2013-08-14 02:48:44 +0000, David Fanning said:

> David Fanning writes:

>

>> Or, now that I think about it, maybe a Ghostscript thing. PDF files will
>> be handled by Ghostscript, rather than ImageMagick itself, I think. My
>> GhostScript is 9.05, different from yours.

>>

>> Sigh... Well, lot's of things to check. :-)

>

> OK, here is something. On Macs, I don't use Ghostscript. I use the built
> in (I believe) command pstopdf. What happens if you comment out the
> "DARWIN" section of the case statement in cgps2pdf.pro and use the
> UNIX case instead. Do you have the same results?

>

> Cheers,

>

> David

OK, first I commented out the entire "DARWIN" case (lines 190-199) in cgps2pdf and ran my example again, but no PDF files were produced (I did not get any error message, and I did get the "PDF output will be created here:" message, but no PDF files in the directory).

Then, I found an IF case on line 244

```
IF StrUpCase(!Version.OS) EQ 'DARWIN' THEN BEGIN  
    cmd = gs_exe + " " + ps_file[0] + " -o " + pdf_file
```

So I changed 'DARWIN' to 'foo' to force it to go else, and ran the example code again. This time, the Resize_600x800.pdf and Resize_800x800.pdf both came out the same as they had previously been (those were the two that were ending up in a portrait orientation from the beginning), as 8.5 x 11 inch pages. However, the other three, Resize_none.pdf, Resize_800x600.pdf, and Resize_800x400.pdf all came out as 11 x 8.5 inch pages, properly oriented, and all framed differently on the page. In other words, they were identical to what I had gotten before after rotating 90 degrees clockwise.

I'm not exactly sure what the intended behavior is; perhaps the results I got forcing the UNIX case is what you had intended, with all PDF files ending up on a US letter sized page in either portrait or landscape orientation (8.5 x 11 inches or 11 x 8.5 inches). From my extremely limited knowledge of this stuff, it would seem that any PS conversion would turn out like this unless it was an encapsulated PS

file, in which case it could be any size.

Also, I am quite interested in your take on the PNG files I wound up with, where the pixel size of the files was quite different from the xysize and yysize specified, and some axis titles and labels were cut off. I don't how related this is to the PDF issue, so if you can only deal with one of these issues at a time, then perhaps you need to pass the other one off to Coyote and see where he gets with it ;-)

Thanks,
Paul
