
Subject: Re: Using contour in postscripts produces a "stripe" effect? - solved
Posted by [David Fanning](#) on Wed, 04 Nov 2009 14:04:49 GMT

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Andy Heaps writes:

- > A sample IDL colour filled contour postscript file and the PNG output from
- > convert -trim idl.ps idl.png
- > run on a Linux box are available at:
- > http://ncas-climate.nerc.ac.uk/ajh/white_lines/cylin3.ps
- > http://ncas-climate.nerc.ac.uk/ajh/white_lines/cylin3.png

Andy, can I have permission to use these files for an article about this on my web page?

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

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

Subject: Re: Using contour in postscripts produces a "stripe" effect? - solved
Posted by [Andy Heaps](#) on Wed, 04 Nov 2009 15:15:50 GMT

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Hi David,

yes, please feel free to take anything you like. The original query to ITT-VIS technical support is at http://ncas-climate.nerc.ac.uk/ajh/white_lines/white_lines.html and has a couple of nice images from Illustrator showing a close up of the white lines and the postscript objects.

Cheers

Andy

David Fanning wrote:

- > Andy Heaps writes:
- >

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Subject: Re: Using contour in postscripts produces a "stripe" effect? - solved
Posted by [penteado](#) on Wed, 04 Nov 2009 15:21:39 GMT
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On Nov 4, 9:42 am, Andy Heaps <a.j.he...@reading.ac.uk> wrote:
>
> Linux, Solaris and Mac
> convert +antialias idl.ps idl.png
> convert +antialias idl.ps idl.pdf
>

But this turns nice vector ps files into bitmaps. I am wondering how
to fix this without making bitmaps.

Subject: Re: Using contour in postscripts produces a "stripe" effect? - solved
Posted by [Andy Heaps](#) on Wed, 04 Nov 2009 18:13:33 GMT
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How do you mean fix this? The postscript doesn't have the problem,
there's nothing wrong with it.

The problem is that when you want to create an image (bitmap) for quick
viewing or for sharing on a web page you get the white line effect when
using anti-aliasing. So you have a choice when making an image using
ImageMagick convert from a postscript file:

- a) you have the white lines and the fonts and lines are smoothed.
- b) you have no white lines and the fonts and lines look stepped
aka 'the jaggies'

You can increase the density of the output picture and this reduces the look of the stepped effect in the fonts and lines:
convert -density 300 +antialias idl.ps idl.png

Cheers
Andy

pp wrote:

```
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