## Subject: Re: Problems importing IDL postscript from TV output into Adobe Illustrator

Posted by Michael L. Kaiser on Wed, 22 May 2002 12:18:45 GMT

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Using IDL 5.3 running under UNIX on our Sun workstations, I import (into
Illustrator on my PC) files created with TV all the time without any
problems.  I've been doing this regularly since IDL 3.x, so I doubt your
problem has to do with the IDL version.

Mike Kaiser  kaiser@panacea.gsfc.nasa.gov

"Eric Jensen" <ejensen1@swarthmore.edu> wrote in message
news:245670e3.0205211057.466f3b5e@posting.google.com...
> I'm using IDL 5.3 under Linux to create some postscript files that I'd
> like to include in an Adobe Illustrator document.  This works fine with
> line drawings (PLOT, CONTOUR, etc.) but if I create a postscript file
> using TV (or David Fanning's TVIMAGE), I cannot import it into
> Illustrator.  When I try to open the postscript file in Illustrator
> or place it into an Illustrator document, one of two things happens:
>
> 1.  If I created the postscript file without setting it to
> be encapsulated (i.e. 'device, Encapsulated=0'), I get
> the error "The MPS parser is unable to parse the file".
>
> 2.  If I create an encapsulated postscript file (using
> 'device, Encapsulated=1') then the open just fails
> silently.  It opens an empty document (or if I'm placing
> an image in an open document, nothing happens - I don't even
> get an empty rectangle indicating a blank object placed there).
>
> Note that Illustrator doesn't need an embedded preview - it will
> quite happily display non-encapsulated postscript files with no
> previews that I've created in IRAF or PGPLOT (or even IDL with PLOT,
> but not with TV).
>
> Choice of color table doesn't seem to matter, nor does using
> /COLOR or not for the postscript device.
>
> Under Linux, I can open the offending postscript files with
> ghostview, and they print with no problem.
>
> Does anyone have any idea what's going on, or other things to try?
> I've looked around David Fanning's book and website and didn't find any
> clues there, no is there anything obvious in Adobe's Illustrator
> support docs on their site.
>
> My system: IDL 5.3 under Redhat Linux 6.2; Illustrator 10.0.1 under

> Mac OS X 10.1.3
>
>
> Here's a minimal program that will generate a postscript file
> that causes this problem:
>
> pro test_tv, myfile, encap
>
> loadct, 0
> set_plot, 'ps'
> device, file=myfile, Encapsulated=encap
> ; Make a 100x100 image with random pixels from
> ; 0 to 2^8 (to get random 8-bit grayscale pixels)
> x = randomu(seed, 100, 100)*(2.^8 - 1)
> tv, x
> device, /close
>
> end
>
> Thanks in advance for your help.
>
> Eric Jensen
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