

---

Subject: Re: EPS vs. PS

Posted by [mannstein](#) on Wed, 25 Aug 2004 11:29:25 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Hello Micheal,

you just have to convince your printer, that it gets a .ps file -  
add these two lines ahead of your .eps file:

```
%!PS-Adobe-1.0
  save [ /showpage {} def
```

and append

```
cleartomark restore
showpage
```

at the end. We use the following little shell script ( called eps2ps)

```
#!/bin/sh
```

```
if [ $# -le 0 -o $# -gt 2 ]; then
  echo usage: `basename $0` file.eps [ file.ps ] >&2
  exit 1
fi
```

```
if [ ! -r $1 ]; then
  echo Can't read file $1. >&2
  exit 1
fi
epsfile=$1
```

```
output=""
if [ $# = 2 ]; then
  output=$2
fi
```

```
(
cat <<EOF
%!PS-Adobe-1.0
  save [ /showpage {} def
EOF
```

```
cat $epsfile
```

```
cat <<EOF
cleartomark restore
showpage
EOF
```

```
) | (  
if [ "$output" = "" ]; then  
    cat  
else  
    cat >$2  
fi  
)
```

Michael Wallace wrote:

> This isn't really an IDL question, but I figured that some of you might  
> have dabbled more in image file formats that I have. I have some object  
> graphics and created an EPS file (which looks really nice, BTW). I  
> couldn't find any way to save the object graphics as normal PS. Despite  
> David's notes on this  
> ([http://www.dfanning.com/ographics\\_tips/object\\_eps.html](http://www.dfanning.com/ographics_tips/object_eps.html)), I couldn't  
> even get the printer thing to work.  
>  
> It was then that I had what I thought was a brilliant idea. I used  
> ImageMagick to convert the EPS to a PS. I printed out both files. The  
> EPS file looked awesome -- everything nice and smooth and crisp. The  
> printout of the PS file had some fuzziness about it. It appeared that  
> the conversion was done by rasterizing the EPS and saving that as PS.  
> The rasterization would have produced the fuzziness I saw. So, does  
> anyone know how to convert EPS to PS and preserve the vector-ness of the  
> EPS? Maybe there's an option of ImageMagick I don't know about yet or  
> maybe even something in IDL itself? Ideas? Any PS gurus out there?  
>  
> -Mike

--

!!!! Please try to avoid .doc attachments !!!!

-----  
Dr. Hermann Mannstein                    Hermann.Mannstein@dlr.de  
DLR-Institut fuer Physik der Atmosphaere  
Oberpfaffenhofen, D-82234 Wessling Germany  
Fon +49-8153-28-2503, Fax +49-8153-28-1841  
<http://www.dlr.de/ipa/>  
-----

---

Subject: Re: EPS vs. PS

Posted by [Michael Wallace](#) on Wed, 25 Aug 2004 21:35:53 GMT

As circuitous as this is, I learned that I can do this with ImageMagick:

```
convert file.eps file.pdf && convert file.pdf file.ps
```

Going through PDF in the middle causes the final Postscript file to keep the vector information rather than changing it to raster image. The odd thing is that the simpler command causes the PS created to be a raster image.

```
convert file.eps file.ps
```

Strange behavior if you ask me.

-Mike

---