Subject: Re: IDL eps outpt converted to png for MS PowerPoint
Posted by R.Bauer on Fri, 05 May 2006 04:12:31 GMT

View Forum Message <> Reply to Message

newbie16@hotmail.com wrote:

> Hi All:
>
> Recently I found myself having to convert *a lot* of eps figures I
> created using IDL into png format for a PowerPoint presentation. Well,
> this was kinda a pain to do, so I wrote a couple of small BASH shell
> scripts to ease the whole process. I provide below:
>
> (1) A small README file
> (2) "idl2ppt.sh" the main workhorse
> (3) "make_runall.sh" calls idl2ppt.sh to make many png files
>
> Please note that they work for a Linux workstation where ImageMagick's
> "convert" funtion is installed.
>
> I hope someone finds these useful!
>
> Cheers,
>
> tyler

Hi tyler

you should have a look at pstoimg too.
That is much more comfortable

e.g.
pstoimg -type png -crop tblr -aaliastext -flip r90 -density 150 *

density of 150 is for powerpoint enough because the screen do have something
about 72 only.

man
http://hepunx.rl.ac.uk/~adye/pstoimg.html

cheers

Reimar
>
> ====> The files

>
> The small shell script idl2ppt.sh is used to convert the figures in its
>
> current directory to PNG format for use in PowerPoint presentations.
> For
> many files to be converted at once (most likely case), just run the
> make_runall.sh script and walk away.
>
> USAGE: For single files, just use idl2ppt.sh without arguments for
> help.
>   For multiple files, run make_runall.sh.
>
> EXAMPLES
>
> FOR MANY FILES:
> ---------------
>
> $ sh make_runall.sh <--- Uses default density of 900
>
> FOR A SINGLE FILE:
> ------------------
> N.B.: []-optional density argument as a number
>
> $ sh idl2ppt.sh <filename.eps> [####]
>
> # *** End of file: README_idl2ppt.txt *** #
>
>
> ===> The next file
>
> #!/bin/sh
> #
> # This file was created on the 22 March, 2006, by Tyler Hayes
> #
> # To convert many eps output files from IDL into something usable by
> # PowerPoint is typically a pain in the ass. I wrote this BASH script
> # to save time and energy.
> #
> # Typically I output EPS files from IDL so I can insert them into a
> LaTeX
> # document with relative ease. However, for presentation purposes, I
> # prefer to use PowerPoint. Unfortunately, PowerPoint doesn't like
> # EPS files. So what to do? Well, on Linux machines, we can use
> # the wonderfull command "convert" from ImageMagick.
> #
> # The method I use is a modified version of the one found in the
> # document "makeps.ps" by Carl Heiles and Tim Robishaw
> #

```
> ############################################################# #############
>
>
> #  Check for proper input and that the file exists!
> ############################################################# #############
> if [ $# -lt 1 ]
>     then
> #   Proper usage output
>     echo ''
>     echo ==========================================================
>     echo Hey, Bozo!
>     echo
>     echo Usage\: 'sh idl2ppt.sh' \[\<datafile\>\] \[\<density\>\]
>     echo ' '
>     echo '      'Where \<datafile\> is the EPS figure from IDL, and
>     echo '      'the \<density\> is a number such as 600 or 1200.
>     echo '      'The default value is set to 800.
>     echo ''
>     echo ==========================================================
>     echo ''
>     exit 0
> else
>     ls $1 2> /dev/null | grep $1 > /dev/null
> #   Making sure the file exists in the directory
>     if [ $? != 0 ]
> then
> echo ' '
> echo ==========================================================
> echo Buddy, you\'re killin\' me...Where\'s \"$1\"
> echo ==========================================================
> echo ' '
> exit 0
>     fi
> fi
>
>
> # Create the variables to be pumped into convert
> ############################################################# #############
> infile=$1
> if [ $# -ne 2 ]
>     then
>     dens=800
> else
>     dens=$2
> fi
>
> # Set the default density value
> density=`echo -density $dens`
```

```
>
> # Change this line to get the extension type you want if other than PNG
> outfile=`echo $infile | awk -F"\." '{print $1".png"}'`
>
>
> # Use ImageMagick's CONVERT function
>  ############################################################### ##############
> convert -antialias $density $infile $outfile
>
> if [ $? = 0 ]
>    then
>    echo ' '
>    echo ================================================================
>    echo $infile converted to PNG format.
>    echo ================================================================
>    echo ' '
>    exit 0
> fi
>
> echo Exiting
> exit 0
>
> # ***  End of file: idl2ppt.sh  *** #
>
>
>
>
> ====>  The last file
>
>
> #!/bin/sh
> #
> # This file was created on the 22 March, 2006, by Tyler Hayes
> #
> # This file will creates the runall.sh file to create many PNG figures
> from
> # the EPS files. You MUST have idl2ppt.sh in this directory.
> #
>  ############################################################### ##############
>
> # Create variables
> echo " "
> echo Creating variables...
> echo " "
> all=`echo runall.sh`  # The name of the script to runall figs!
> epslist=/tmp/eps$$   # The temporary file of eps figure names
> echo Listing all EPS files in the current directory...
> echo " "
```

```
> ls *.eps > $epslist
>
> # Prepend the idl2ppt.sh command to ls *.eps
> awk '{print "sh idl2ppt.sh",$1}' $epslist >> $all
> echo $USER, now running \"$all\".
> echo Be sure to have idl2ppt.sh in your current directory.
> echo " "
>
> # Run the newly made shell script
> sh $all
>
> # Remove unwanted files
> echo Removing dummy list
> rm $epslist
>
> # Remove unwanted files and exit
> echo Removing dummy shell script file
> rm runall.sh
>
> # Exit program
> echo Now exiting.  Goodbye $USER.
> echo " "
> exit 0
>
> # ***  End of file: make_runall.sh  *** #
```