
Subject: Re: Polyshade and Postscript (beginner)

Posted by [David Fanning](#) on Tue, 10 Dec 2002 20:36:07 GMT

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

Simon de Vet (sdevet@is2.dal.ca) writes:

```
> I have some nice volumetric data, which I am currently visualizing as a
> 3-d scatter plot, with each point colour determined by its value. It
> works ok, but it's not easy to see trends.
>
> I'd like to do some volume visualization on this, but need all my
> outputs in postscript format (nothing displayed to screen, nothing
> interactive).
>
> I can generate the surfaces (I think), with:
>
> Surface, Dist(5), XRange=[0, 25], YRange=[0, 25], $
>       ZRange=[0,25], XStyle=1, YStyle=1, ZStyle=1, $
> /NoData, /Save
>
> shade_volume, nrat3d, 2.0, v, p
>
> volume = polyshade(v, p, /t3d)
>
>
> But then I don't know how to output this to a plot.
```

What you have in "volume" right now is a 2D image array.
You want to TV that into a PostScript file. Things can
get a LOT more elaborate than this, but this should get
you started:

```
thisDevice = !D.Name
Set_Plot, 'PS'
Device, XSize=6.5, YSize=6.5, /Inches, XOffset=1.0, $
  YOffset=2.25, Color=1, Bits_Per_Pixel=8, $
  Portrait = 1, Filename='myvolume.ps'
TV, volume
Device, /Close_File
Set_Plot, thisDevice
```

Cheers,

David

--

David W. Fanning, Ph.D.
Fanning Software Consulting, Inc.

Phone: 970-221-0438, E-mail: david@dfanning.com
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Toll-Free IDL Book Orders: 1-888-461-0155
