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:

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> 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
vou 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
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