Harald von der Osten-Woldenburg (hvdosten@lb.netic.de) writes:

> maybe it's easier than I feel, but I don't came along with it:
>
> I would like to map a jpeg-file onto a small part of a 3D-surface. It
> works fine if I consider the entire surface. But this is not what I want
> to have. The problem seems to be the array texture_coord.
>
> If the surface is of an arry of - lets say - 1000 x 1200, how could I
> map a jpeg-file onto this surface with the subsurface-grid-coordinates
> [100, 50], [200,50], [200,300], [100,300]? And: I hope that the
> jpeg-file can have a higher resolution than [100 x 250] pixels for this
> example?
>
> Whatever I try - I get the error-message "number of vertices, normals,
> and texture coordinates do not match". Concerning to the online-help
> "TEXTURE_COORD property defines how individual data points within the
> image data are mapped...". I don't hope that each pixel in the jpeg-file
> must be referenced by corresponding coordinates....
>
> Thanks for each encouraging hint...

Oh, goody. Another simple problem. :-)

I don't know, Harald. I can't even add a texture
map to the surface at all without getting this
error:

```
  thisImage = Obj_New('IDLgrImage', image)
  thisSurface = OBJ_NEW('IDLgrSurface', data, x, y, Style=2, $
    Color=[255,255,255], Texture_Map=thisImage, $
      Texture_Coord=[[0,0], [1,0], [1,1], [0,1], [0,0]]

  IDL>Simple_Surface, Image=myimage
    % IDLGRSRCDEST::DRAW: Error, numbers of vertices, normals, and
      texture coordinates do not match.
```

Although the image *does* show up on the surface, oddly enough. But
changing the values of the texture coordinates does absolutely
nothing with respect to mapping the image on the surface. It always
covers the entire surface. I'm using IDL 5.5.

I've got work to do. I think you are going to have to handle
this one yourself. :-)

Cheers,

David
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