Subject: Re: Is it possible to use wire mesh and display the surface as a solid at the same time?
Posted by David Fanning on Thu, 12 Oct 2006 01:03:09 GMT
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yy writes:

> I'm trying to use IDLgrSurface to map a colored image onto an
> elevation data set. I want to show both the wire mesh such that
> I can see the curvature of the surface and the solid image data.
> In other words, I want to use both the image when STYLE=1
> and the image when STYLE=2 as TEXTURE_MAP. But an
> IDLgrSurface object cannot have two STYLE properties. How
> can I realize that?

Just as a quick test, I took TEXTURE_SURFACE from my
web page, and added another surface to the model (I
called it thatSurface). I performed the same scaling
to thatSurface that I did to thisSurface. I also set
the keyword DEPTH_TEST_DISABLE on the model, and I
added thatSurface to the model AFTER thisSurface.

It worked great, although the grid was a little too fine to
see the texture very well. Another way I could have done
this would be to combine a texture image and "grid" image
with some kind of image blending (see IMAGE_BLEND on my
web page). Then use this blended image as the texture
map of the surface. This would allow me to "dial in" the
grid, as I needed.

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Is it possible to use wire mesh and display the surface as a solid at the same time?
Posted by Jim Pendleton on Thu, 12 Oct 2006 03:33:56 GMT
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> "David Fanning" <news@dfanning.com> wrote in message
> news:MPG.1f974239bebde4d2989d27@news.frii.com...

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And if you use the SHARE_DATA keyword on the second IDLgrSurface's creation, specifying the reference to the first IDLgrSurface, you can improve
your memory efficiency, especially if you're working with a large mesh.

Jim P.

Subject: Re: Is it possible to use wire mesh and display the surface as a solid at the same time?
Posted by yy on Thu, 12 Oct 2006 18:59:57 GMT
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I tried the second way you suggested. It works pretty well! Thank you!

Jingyi
David Fanning wrote:
> yy writes:
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>
> David
>
> --
> David Fanning, Ph.D.
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> Sepore ma de ni thui. ("Perhaps thou speakest truth.")
