
Subject: Re: axis-system variable for surface?
Posted by [davidf](#) on Sat, 13 Jan 2001 16:12:17 GMT
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Harald von der Osten-Woldenburg (hvdosten@lb.netic.de) writes:

> my question is a rather silly one, but I am looking and looking and
> looking for hours in the documentation for the system variables and
> can't find it:
>
> I had to rotate a 3D-plot for more than 180 degrees and would like to
> know how to correct now the position of the axis, as well to change the
> orientation of the labels (I was just able to change the direction of
> the ticks by changing the sign....)
>
> Thanks a lot for every smallest hint

I presume you are using direct graphics (I.e., the SURFACE command
or something like it to set up the 3D coordinate system)
here. Then my very smallest hint would be "hopeless". :-)

I really don't think you have much of a chance.

You would have more of a chance with object graphics,
but even there it would not be a trivial solution.
It would involve putting each axis label in its own
rotating model, and then counter-rotating the model to
counteract the rotation of the axis itself.

Do-able, maybe, but you would have to become more intimate
with transformation matrices than I've ever managed
to become. That's just a women who don't love me. :-(

Cheers,

David

--

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Subject: Re: axis-system variable for surface?
Posted by [davidf](#) on Sat, 13 Jan 2001 16:20:19 GMT

> That's just a women who don't love me. :-(

Uh, that should be "woman", as my wife, who just came into the room and looked over my shoulder, pointed out. :-(

Cheers,

David

--

David Fanning, Ph.D.

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Subject: Re: axis-system variable for surface?

Posted by [Harald von der Osten-\[1\]](#) on Sat, 13 Jan 2001 22:58:36 GMT

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Dear David,

thank you for your answer. So I see that my question was not as silly as I thought...

Well, I have rotated the data and now everything seems to be fine

Best wishes from Harald
