Subject: Re: Tick mark annotations after rotation using az?
Posted by davidf on Mon, 27 Jul 1998 07:00:00 GMT
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Mirko Vukovic (mvukovic@my-dejanews.com) writes:

> It looks like the IDLgrTEXT may have an answer with the ONGLASS property.
> Have not tried that one (or any of the oog stuff) yet.

I think (I haven't tried it really either) that ONGLASS is similar
to using hardware fonts in direct graphics. Yes, it makes the text
visible, but you lose the rotational capability. I think you can
probably have one or the other, but not both together.

If I'm wrong, I trust someone will correct me. ;-)

Cheers,

David

--
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Phone: 970-221-0438
Coyote's Guide to IDL Programming: http://www.dfanning.com/

Subject: Re: Tick mark annotations after rotation using az?
Posted by mvukovic on Mon, 27 Jul 1998 07:00:00 GMT
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In article <MPG.102638d45d531a8f989814@news.frii.com>,
davidf@dfanning.com (David Fanning) wrote:
> Holger Schaal (hschaal@gwdg.de) writes:
>
>> The output of the following procedure is a plot of the electric field
>> potential at the interface ATR-crystal/sample for different angles of
>> incidence and different refractive index ratios (IR-Spectroscopy):
>> The rotation az = 225 gives the best point of view to see how the surface
>> looks like, I think. But now the tick mark annotations are unreadable - look
>> like mirrored or headfirst.
>>
>> Now I hope, anyone reading this has an idea to solve my problems.
>
> I can't think of any way to solve this text rotation
> problem without adding the textual annotation yourself,
> (e.g., with XYOutS) which almost certainly will be a

> frustrating and difficult exercise.
stuff deleted

It looks like the IDLgrTEXT may have an answer with the ONGLASS property.
Have not tried that one (or any of the oog stuff) yet.

mirko

Subject: Re: Tick mark annotations after rotation using az?
Posted by Kevin Ivory on Mon, 27 Jul 1998 07:00:00 GMT
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Holger Schaal wrote a question I can't answer, but I would like to
show you something completely different -

Here are nine lines of his code which can completely substituted
by one line

```
>  E_y0_thick = fltarr(74, 9)
>  i = 0
>  j = 0
>  For i = 0,73,1 do begin
>  For j = 0,8,1 do begin
>  y =  2. * cos(x[i]) / sqrt(1. - n_21[j]^2)
>  E_y0_thick[i,j]=y
>  endfor
>  endfor
```

This is the one line that does the same thing ;-)

```
E_y0_thick = 2. * cos(x) # (1. / sqrt(1. - n_21^2))
```

Best regards
Kevin
--
  Kevin Ivory   Tel: +49 5556 979 434
  Max-Planck-Institut fuer Aeronomie   Fax: +49 5556 979 240
  Max-Planck-Str. 2   mailto:Kevin.Ivory@linmpi.mpg.de
D-37191 Katlenburg-Lindau, GERMANY   http://www.gwdg.de/~kivory2/

Subject: Re: Tick mark annotations after rotation using az?
Posted by davidf on Mon, 27 Jul 1998 07:00:00 GMT

Holger Schaal (hschaal@gwdg.de) writes:

> The output of the following procedure is a plot of the electric field
> potential at the interface ATR-crystal/sample for different angles of
> incidence and different refractive index ratios (IR-Spectroscopy):
> The rotation az = 225 gives the best point of view to see how the surface
> looks like, I think. But now the tick mark annotations are unreadable - look
> like mirrored or headfirst.
>
> Now I hope, anyone reading this has an idea to solve my problems.

I can't think of any way to solve this text rotation
problem without adding the textual annotation yourself,
(e.g., with XYOutS) which almost certainly will be a
frustrating and difficult exercise.

Let me recommend an alternative. If you make it
easy for the user to rotate the surface interactively,
then the annotations will not be as much of a problem
as they are in a fixed view. A program like XSURFACE,
which you can download from my web page, would make this
possible.

This does not, of course, solve the problem of *printing*
the results, but it is difficult for me to see how
the antagonistic goals of rotatable 3D text and always-readable
text can both be obtained.

Cheers,

David
--
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