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

```
E_y0_thick = fltarr(74, 9)
Theta = findgen(73) * 1.0 + asin(0.285)*!radeg + .00001
Theta = [Theta, 90]
n_21 = findgen(9) * 0.1
x = Theta * !dtor
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
surface, E_y0_thick, Theta, n_21,az = 225,xstyle=4, ystyle=4, zstyle=4,
/save
axis, /t3d, xaxis=1 & axis, /t3d, yaxis=1 & axis, /t3d, zaxis=0
```

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.
All my attempts to get better results, using other routines of IDL like rotate, were unsucessful.
Now I hope, anyone reading this has an idea to solve my problems.

Thanks

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