Subject: Re: Specifying Log Axis Tick Marks
Posted by R.Bauer on Mon, 07 Nov 2005 19:12:46 GMT

Hi JD,

XTICKS=2 and YTICKS=3

does it

cheers

Reimar

 --- snipped ---

```
   plot,.5+randomu(sd,100)*.3,.4+randomu(sd,100)*.3,/XLOG,/YLOG ,$
      PSYM=4,XRANGE=[.5,.8],YRANGE=[.4,.7],/XSTYLE,/YSTYLE, $
      XTICKS=3,XTICKV=[.5,.7,.8],YTICKS=4,YTICKV=[.4,.5,.6,.7]
% PLOT: Data coordinate system not established.
% Execution halted at: $MAIN$
```

Ouch! So what's happening? It appears that for logarithmic plots,
the data coordinate system isn't yet set, probably because the ticks
are evaluated before the log coordinate frame is setup. Hence, you
cannot specify the locations of the tick marks. What to do? Draw
your own axes by hand using plots and xyouts? Perish the thought. It
turns out you can simply skip the axes when first plotting, and use
AXIS to add them straightforwardly after the coordinate frame has been
set: