Subject: Need help with a plot Posted by Julie Maria Lykke on Sat, 16 Jun 2012 10:30:04 GMT View Forum Message <> Reply to Message

Hi!

So initially my problem was that when I am making a eps. figure the ytitle is "cut out of the image", because there is no room for it, as the numbers on the y-axis takes up too much space. I have tried to vary different parameter, and making the image smaller - but that doesn't help. My image shows something which is in the range of

yrange=[-0.5e-025,6e-025]

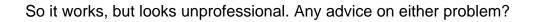
I worked around it by multiplying with 1e25, and the ytitle now fits. But then I need to add the '10^-25' on the actual ytitle, which just looks silly. I was wondering if there is a way to make it look better, so that the -25 is lifted (like you would see in Matlab when writing 10^{-25})?

Here is my initial code

SET_PLOT, 'PS'
DEVICE, xs = 15, ys = 10, /Inches, font_size=2,
FILENAME="autokorr.eps"
DEVICE, /color, SET_CHARACTER_SIZE=[500,700]
col = getcolor(/load)
DEVICE, /ISOLATIN1
plot,f,auto,xrange=[0,100],yrange=[-0.5e-025,6e-025],title=' Autocorrelation for star',\$
ytitle='Autocorrelations function [arb. unit]',xtitle='Frequency
['+Greek('mu')+'Hz]'
DEVICE, /CLOSE_FILE

Then trying to work around it

SET_PLOT, 'PS'
DEVICE, xs = 15, ys = 10, /Inches, font_size=2,
FILENAME="autokorr.eps"
DEVICE, /color, SET_CHARACTER_SIZE=[500,700]
col = getcolor(/load)
DEVICE, /ISOLATIN1
plot,f,auto*1e25,xrange=[0,100],yrange=[-0.5e-025,6e-025],ti tle='Autocorrelation for star',\$
ytitle='Autocorrelation function*10^-25 [arb. unit]',xtitle='Frequency
['+Greek('mu')+'Hz]'
DEVICE, /CLOSE_FILE



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