## Subject: Multilayered plots
Posted by Hrafnkell on Tue, 02 Aug 2005 18:10:23 GMT

Hello

Every six hours i have to plot around 600 pictures from meteorological
data (actually skewt diagrams) for weather forecast on the internet so
efficient plotting routines are very desirable. Currently each picture
is made in two phases, first a background is plotted (axes and some
lines in the cartesian plane) with one routine and then that background
is overplotted with another routine. The thing is that the background
is the same for all of the pictures and it takes some time to plot so
it's kinda stupid to plot it 600 times.

You can see the pictures here
http://www.os.is/~or/vedurspa/serkort.html by clicking one of the
diamonds. The latter routine overplots the two fat irregular lines
(blue and red).

How can I weasel out of plotting the background every time? A routine
which cleanes specific parts of the display seems utopic...I tried to
save the background as .png picture and then plotting the image with
Craig Markwardt's plotimage routine. That was quite a lot faster but i
was still plotting the background every time and besides, the
background didn't look good at all (i presume that partly explains the
speed-up)

Hrafnkell