
Subject: Re: Large File Plotting

Posted by [promashkin](#) on Thu, 28 Sep 2000 07:00:00 GMT

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> What is needed is
> something that can detect file size and
> only display to the pixel resolution of the
> screen.

I think this is exactly what you need. At 1024 x 768, a monitor is capable of producing not better than 85 points per inch. Resample your large array to the desired resolution and plot it. PLOT will do this anyway (on a visual level), but a lot less efficiently.

If the axis you plot against is 5" long, then the maximum number of points you'll be able to see is < 500. Use CONGRID for plotting:

```
plot, congrid(a, 500)
```

works very fast.

Cheers,

Pavel
