
Subject: Re: How to smooth lines in plots

Posted by [David Fanning](#) on Sat, 16 Nov 2002 15:28:20 GMT

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Kolbjorn Bekkelund (kobe@rocketrange.no) writes:

> I have a xy plot where the curve is very "rough" due to variations in the
> x-value. To ease the view of this plot I would like to smoothen it a bit.
> To describe the problem a bit more: Look at it as a line with some
> modulation in it, and I only want to see the shape of the curve and not all
> the small deviations.
>
> The plot is being made from a 2D array. Are there any ways of smooting like
> this?

I think this might be a job for the SMOOTH function.
If your data is really noisy, you might have to apply
the function multiple times.

I can't tell from your description exactly how the
plot is being made, but you may want to smooth each
row (or column) or your 2D array individually. For
example:

```
Plot, Smooth(array[3,*], 7, /Edge_Truncate)
```

Cheers,

David

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