dinhnq@yahoo.com (Dinh Huong) wrote in message
news:<b5f3d715.0305230209.7d8e68b3@posting.google.com>...
> Dear all,
>
> Is there any modification of fft function to smooth a data series
> while maximum value still remain?
>
> Any help would be very gratefully received,
>
> Thanks
>
>
> Nguyen

Take a look at the Savgol function. The Savitzky-Golay smoothing
filters are good at removing noise, while preserving (within limits)
the shape of the underlying curve. They are discussed at the
Numerical Recipes book in section 14.8 (2nd edition in C). You can go
their web site and download a chapter. There you will see a figure of
those filters in action.

Good luck,

Mirko