Subject: Re: How can one improve the derivative?
Posted by lecacheux.alain on Wed, 27 Nov 2013 14:50:02 GMT

Le mercredi 27 novembre 2013 13:25:06 UTC+1, g.na...@gmail.com a écrit :
> Hi
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> I had to differentiate noisy data - which is a problem. I was wondering, how can one improve the derivative?
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> I read on a blog that one way is to make a Fourier filtering afterwards and another way is to apply a "smoothed" or "filtered" gradient. But I had no idea how to do this in IDL. Can anyone help?
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> Thanks in advance

Differentiating noisy data can often be obtained by convolution with a Savitzky-Golay filter. In IDL, look at SAVGOL and CONVOL functions.

alx.