Subject: Re: How can one improve the derivative?
Posted by David Fanning on Wed, 27 Nov 2013 13:26:08 GMT

g.nacarts@gmail.com writes:

> I had to differentiate noisy data - which is a problem. I was wondering, how can one improve the derivative?
> 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?

I think I would just apply the SMOOTH function to your data before you differentiate it.

Cheers,

David
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Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")