## Subject: Re: Smoothing Data with optimal wiener filter Posted by schaa on Tue, 25 May 2004 12:04:23 GMT

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Timm Weitkamp <not@this.address> wrote in message news:<Pine.LNX.4.44.0405241902270.1251-100000@localhost.localdomain>... > Ralf, > 
> The derivates that your code makes look okay. What makes you think they're > wrong? I ran your program and then checked the derivatives against the > simplest of all approximations, like this (for the first derivative, > analogous for the second): > 
> IDL> plot, x, (smoothed\_data[1:\*] - smoothed\_data) / (x[1:\*] - x) 
> IDL> oplot, x, first\_diff, linestyle=2 
> In both cases (1st and 2nd derivative), the curves more or less match one > another, as should be expected. Where's the problem? Maybe I overlooked > something.

great! you are right, there is no problem! i thought there was, because i had plot-ranges which were simply wrong.

right now, i am very happy.

Thanks for the comment!

-Ralf