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Subject: Re: dcomplexarr and phase

Posted by [zolile mtumela](#) on Tue, 06 Mar 2012 18:41:31 GMT

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On Mar 6, 12:41 pm, zolile mtumela <zolilemtum...@gmail.com> wrote:

> Hi all  
> I got a program that is running here, In this program I want to use  
> dcomplexarr function on filterdata:  
> my data:  
> Ny=360  
> T=20  
> naqy\_array = naqy\_array =(naqy\_array)\*(hanning(360))  
>  
> timefilter = Digital\_Filter(f\_low\*2\*T,f\_high\*2\*T,50,floor((Ny)/2))  
> ;freqfilter=fft(timefilter)  
>  
> nfreq=ntime/2  
> freq=findgen(nfreq)/(ntime\*T)  
> freqfilter=fft(timefilter,/double)\*ntime  
> filterdata=fft(naqy\_array,/double)\*freqfilter  
>  
> inv\_spec =fft(spec,/double,/inverse)  
>  
> plot,abs(inv\_spec)  
> phi = atan(inv\_spec)  
> plot,phi  
>  
> I need some help on the ff difficulties  
> I want to use dcomplexarr on filterdata so that it returns as  
> complex , But I dnt how?  
> calculate the phase angle, I dnt know if im done correctly and I would  
> like to calculate the amplitude  
> sqrt(float(inv\_spec)^2 + imaginary(inv\_spec)^2)  
>  
> Its allowed to use inverse.  
>  
> thank you in advance for ur time  
> Zolile

Thank you, I have found the way to correct it!!

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