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Subject: Re: Correlation between bands using IDL  
Posted by [Lavanya](#) on Thu, 05 Aug 2010 05:10:16 GMT  
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On Aug 4, 11:49 am, chris <rog...@googlemail.com> wrote:  
> On 3 Aug., 11:30, Lavanya <lavany...@gmail.com> wrote:  
>  
>> Hi,  
>  
>> I am pretty much new in using IDL. I have been trying to read  
>> multiband image data using `envi_select` and `envi_file_query`, where i  
>> get the information about the data im using.  
>> Now how could i find the correlation between any two bands (here the  
>> number of bands i have is 242)  
>> Finally i need to generate a output correlation matrix of  $242 * 242$ .  
>> Please help me how can i go about.  
>  
>> Thanks  
>  
> Hi,  
> i don't understand what you want to do. Do you want to correlate  
> pixel1 band1 with pixel2 band2, pixel1 band1 with pixel2 band3 and so  
> on for all pixel and bands?  
>  
> Regards Chris

I wanted to find the correlation between  
band1 band2, band1 band 3, band 1 band 4  
band 2 band 1, band 2 band 3, band 2 band 4 and so on. Final result  
should be of the matrix form  $n * n$  where n will be the number of bands  
of the same image. Here i am using only one image which has 'n' bands

Please help

-Lavanya

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