
Subject: Re: Extracting average pixel value
Posted by [Juggernaut](#) on Thu, 23 Apr 2009 17:11:46 GMT
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On Apr 23, 1:00 pm, Bennett <juggernaut...@gmail.com> wrote:
> On Apr 22, 3:48 am, GP <gepo...@gmail.com> wrote:
>
>> Hello...
>
>> I have an .img file composed of 24 images (one every two weeks) and I
>> want to extract an spectral average pixel value for a 3x3 window with
>> the center pixel in sample=4567 and line 643.
>> Anyone know what would be the best approach to do this with IDL or
>> ENVI?
>
>> The .img file is a layer stacking... So the 24 images are represented
>> as "bands" if I open it with ENVI
>
>> Thanks in advance...
>> Geo
>
> In IDL you can do a
> newArray = CONVOL(imageArray, [[1,1,1],[1,0,1],[1,1,1]], /CENTER)
> This will compute the average value in a 3x3 box around each pixel
> (except
> the edge pixels which you can set to zero or truncate or handle
> separately...
> whatever you please really. Who needs edges anyway, right?)
>
> Bennett

I forgot to say also divide your resulting newArray by 8.
