
Subject: Re: import multilayer raster

Posted by [rogass](#) on Wed, 18 Nov 2009 21:32:41 GMT

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On 18 Nov., 15:24, Hassan <hkhav...@gmail.com> wrote:

> I have a hyspectral image, with 62 bands, b1, b2,..., b62, in ENVI
> format and I want to import that image into IDL. I have a vector with
> 62 elements, k1,k2,...,k62, that matches with the bands. I'm going to
> use the equation $y1=b1/k1$, $y2=b2/k2$,..., $y62=b62/k62$ and then export it
> as an image with the same number of bands but new values. I think I
> need to use ENVI_GET_DATA but it imports individual bands, I wonder
> how I can use a loop to import the whole bands and then another loop
> to do the math operations?

Hi,

maybe you should just use the export-variable-to-idl and import-variable-from-idl functionality of your ENVI, so you won't trap into some byteorder-weirdness. If you want to completely steer your algorithm from IDL then you have to mostly write a for loop for the input(envi_get_data). If you have than a data matrix and your filtermatrix in the same byte order and with the same dimensions, you can easily divide them without using any loop. To do the byteorder transform, you may have a look on transpose(data,[1,2,0]) or reverse (rot(data,-90))

Hope it helps

CR
