Subject: Re: import multilayer raster
Posted by jeanh on Wed, 18 Nov 2009 21:38:49 GMT
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chris wrote:
> 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

hu, hum.... you can also use READU to read the whole dataset, or part of it (see yesterday's post about this). Also, you don't have to worry about the "upside down" effect if you are not displaying anything... get the data, divide, save. Then you can update the header.

Jean