
Subject: Re: Help with code for hyperspectral image analysis

Posted by [Klemen](#) on Fri, 22 Jun 2012 07:44:26 GMT

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Writeu performs a direct transfer with no processing of any kind being done to the data. So if you open just one band, process it and write it down, you will write the first line, the second line.... till the last band of the file. Then the for loop moves to next band where this is repeated.

So as far as I understand all this envi formats, this means that you write down BSQ file. This means that you should (I have just checked it in the ENVI help, see below) set the Interleave to 0 in your last line.

This is how you get your results written correctly, I thnik. To convert it to BIL, take a look at:

http://geol.hu/data/online_help/Converting_Data_%28BSQ_BIL_B_IP%29.html

But I guess that you could have a memory problem again....

INTERLEAVE

Set this keyword to one of the following integer values to specify the interleave output:

0: BSQ

Band-sequential; an interleave format where each line of the data is followed immediately by the next line in the same spectral band. This format is optimal for spatial (x,y) access of any part of a single spectral band.

1: BIL

Band-interleaved-by-line; an interleave format that stores the first line of the first band, followed by the first line of the second band, followed by the first line of the third band, interleaved up to the number of bands.

2: BIP

Band-interleaved-by-pixel; an interleave format that stores the first pixel for all bands in sequential order, followed by the second pixel for all bands, followed by the third pixel for all bands, and so forth, interleaved up to the number of pixels.
