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Subject: Re: costum stretch an image

Posted by [David Fanning](#) on Mon, 30 Nov 2009 18:16:07 GMT

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ivitseva wites:

> Good mornig or evening everybody. I'm trying to solve this stretching  
> issue for some time now, my attempts resulted in a huge mess...Please  
> help!  
> I'd like to stretch an image of 1 band using IDL or ENVI stretch\_doit,  
> whatever is the fastest. I need to script it for I'll need to do it  
> with a huge number of images.  
> My image is a floating point, the input range of values is 0.000000 to  
> 76.021912 and the output should be integer.  
> Now, the values 0.000000 till 36.0000 should be stretched into a range  
> of -12 to -1, the values in the range of 37.0000 till 72.0000 should  
> be stretched into a range of 0 till 36, and the values from 72.000000  
> till 76.021912 should be in the range of 37 to 48.  
> This might be a piece of cake but I just cannot manage it. I had tried  
> to do it with stretch\_doit but not being a programmer I am stuck with  
> this quite easy task...so here is what I did till now but it is  
> completely wrong for all these else-es and endelse-es and if-s and  
> endif-s are wrong...

Here is how I would do a custom stretch of an image in  
IDL. I don't know about ENVI. It should be possible to  
write this as an ENVI image file, however.

[http://www.dfanning.com/code\\_tips/partition.html](http://www.dfanning.com/code_tips/partition.html)

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thue. ("Perhaps thos speakest truth.")

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