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Subject: Image Contrast Enhancement

Posted by [David Fanning](#) on Sat, 25 Feb 2006 23:39:53 GMT

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Folks,

I've finally completed what I have been doing piecemeal over the past week or so: put ALL my new image contrast improvements into a single user interface, XSTRETCH.

<http://www.dfanning.com/programs/xstretch.zip>

Using the image histogram as a guide, you can now threshold your image values and perform a contrast stretch between those values using linear, power-law (gamma), log, or an inverse hyperbolic sine function as the scaling function. Moreover, the code has been re-organized so that I can easily add additional scaling functions as needed. This program works great with even the worst of the images I have in my perverse collection.

Now that I have the proper tools, I'm going to work on an application that will allow the user to interactively combine images in a way that will produce pretty color output images.

Suggestions welcome.

Cheers,

David

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

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