Subject: How to display an image (tvscl, shade_surf, etc.) with values cut-off
Posted by bio_amateur on Fri, 13 Jun 2014 21:52:42 GMT
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I have an array (2D image) with value say in the range 0..255.
I want to display the array as an image with a color range, say A..B (based on a given loaded color table.

My goal: any value below 10 is considered as 10, and any value above 100 is considered as 100. So, I want to display such image.

Can we do so with the plotting functions, or I have to adjust the array first?

Thanks,
Tom.

Subject: Re: How to display an image (tvscl, shade_surf, etc.) with values cut-off
Posted by Phillip Bitzer on Sun, 15 Jun 2014 16:45:35 GMT
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On Friday, June 13, 2014 4:52:42 PM UTC-5, bio_guy wrote:
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>

In your favorite plotting function, use the min/ma operators. For example,

cgImage, 10 > img < 100

This does not do any scaling - it simply clamps the min/max value to 10 and 100, respectively.

But, this is the explicit way. You may also want to check all the various keywords available. For example, the function IMAGE() has, specifically, min and max value keywords. But, I think (maybe) that will also the scale the data.