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Subject: Re: Gaussian Enhancement on Image Histogram  
Posted by [David Fanning](#) on Tue, 20 Sep 2005 16:41:06 GMT  
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Chintan Raval writes:

> Thank you for your suggestion. One can definitely use FCN but in order  
> to obtain a monotonically increasing FCN I need to  
> 1) Map the Histogram for 0- 255 levels to 3 sigma of Gaussian PDF  
> 2) Obtain the cumulative histogram for this mapping (This will yield  
> monotonically increasing function)  
>  
> If you refer IDL documentation the GaussInt function computes the PDF  
> for mean value of 0 and variance of 1(i.e standard deviation of 1). My  
> problem is to compute the Gaussian PDF with 3 sigma (standard  
> deviation) for a given value of x with mean at 127.  
>  
> I would appreciate if you can point out how I can achieve this. It  
> would be nice if you can provide some example code.

Oh, dear. I was hoping \*you\* were going to supply the example code. :-(

I'd go over to Craig's site and poke around for Gauss1. That  
will allow you to build the Gaussian you are looking for.

Cheers,

David

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