
Subject: Re: Gaussian Enhancement on Image Histogram
Posted by [raval.chintan](#) on Tue, 20 Sep 2005 16:30:41 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi David,

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.

J.D I thought this would interest you? looking forward for your comments on this

Chintan Raval
