Subject: Re: Gaussian Enhancement on Image Histogram
Posted by raval.chintan on Wed, 21 Sep 2005 11:04:26 GMT
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David Fanning wrote:
> 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 appriciate 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.

Thank You David, I have find it on Craig's Web site , Now it is working
fine.

>
> Cheers,
>
> David
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming: http://www.dfanning.com/

Regards
Chintan