Subject: Re: STANDARD DEVIATON
Posted by Ben Marriage on Fri, 04 Aug 2000 07:00:00 GMT

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Benno Puetz wrote:
>
> Alex Schuster wrote:
>
>> For some 3x3 pixels x_i (and a mean of x_mean), the standard deviation
>> is
>> s = 1/9 * sqrt(sum((x_i-x_mean)^2)). img=img-smooth(img,3) does the
>> inner subtraction of the x_means,
>
> unfortunately, that's not quite true (except for special cases) since the x_i
> get only their respective mean subtracted, not the center pixel mean. I came
> up with the same solution initially but it would not stand the test ...
>
> haven't had a better idea since :(
>

I think that's what I discovered too - hence the question to the NG.

I'll try and have another think about it.

Thanks,
Ben