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Subject: Re: STANDARD DEVIATON

Posted by [Benno Puetz](#) on Tue, 01 Aug 2000 07:00:00 GMT

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Alex Schuster wrote:

> For some 3x3 pixels  $x_i$  (and a mean of  $x_{\text{mean}}$ ), the standard deviation  
> is  
>  $s = 1/9 * \text{sqrt}(\text{sum}(x_i - x_{\text{mean}})^2)$ . `img=img-smooth(img,3)` does the  
> inner subtraction of the  $x_{\text{means}}$ ,

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 :(

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