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Subject: Re: blurring and deblurring for effect

Posted by [David Fanning](#) on Tue, 22 Feb 2005 22:26:43 GMT

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Rob writes:

> I have been messing around a bit with blurring an image to be used for  
> an intro for a talk. What I want to do is display a series of color  
> images over time that begin with a very blurry version first and end  
> with the sharp version. My knowledge of image processing is limited so  
> I'm hoping that you experts can help me out a bit. The original sharp  
> image is a PNG file. I use TV to display the image in a window that is  
> the same size as the image. I've tried the MEDIAN filter where the  
> width decreases with each image in the sequence but I'm not happy with  
> the band of unblurred image that extends around the perimeter of the  
> image. EDGE\_TRUNCATE takes care of that in SMOOTH but the effect is  
> still not great. There seems to be a "mixing" of colors when I use  
> SMOOTH that isn't present when I use MEDIAN which is also annoying.  
> I'm looking for a very smooth and relatively seamless transition.  
>  
> If it helps the code below shows what I've been doing. Any suggestions  
> would be appreciated.

Well, I thought it looked pretty good with the PNG file I choose, but if you want to do the MEDIAN thing, I think the professional image expert embeds their image in a larger image so that edge effects are ameliorated. Then, when they are finished, extracts the processed image from the larger image etc. (I know, but if it doesn't involve iTools, you and me, babe, are the only ones interested.)

Cheers,

David

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

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