
Subject: Re: blurring and deblurring for effect
Posted by [helaha](#) on Wed, 23 Feb 2005 12:59:48 GMT
[View Forum Message](#) <> [Reply to Message](#)

Daer Bob,

I have written an IDL application (IQM) for interactive image processing and the IDL's Median, Smooth and Lee Filtering is implemented without edge effects.

More info and a tutorial of the application can be found at:

<http://www.uni-graz.at/people/ahammer/IQM/index.htm>

If you send me an e-mail, I can give you the download password.

Best wishes,

Helmut Ahammer

helmut.ahammer@meduni-graz.at

> 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
