Subject: Re: creating a 2D mask for image filtering
Posted by David Fanning on Thu, 18 Aug 2011 14:37:35 GMT
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Dave Higgins writes:

> Ah, yes, that is definitely better. The step-down is still smoothed out, but with better preservation of the central to-be-left-alone section.
>
> I had another idea, which was to plot concentric circles as seen in
> http://www.idlcoyote.com/tips/make_circle.html
> to approximate the filter shape a little better before smoothing, with the result that the smoothing needn't be as aggressive, and the central section is even better preserved.

And, you realize that this:

    SHADE_SURF, filter*image

Is NOT how you apply this filter to an image, right?

The Hanning filter is a frequency domain filter and
it should be applied to the frequency image created
with the FFT function.

Since you were talking about "ringing" yesterday, I
thought you understood this, but this is the second
time I've seen a plot with "Filtered Image" as a
title and the *incorrect* filtered image. :-)

Cheers,

David

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Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")