
Subject: Re: Blanking all 5x5 windows with less than X 'on' pixels in them
Posted by on Fri, 21 Jan 2011 10:52:15 GMT

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On Jan 21, 11:41 am, Axel M <axe...@gmail.com> wrote:

> On Jan 21, 10:02 am, Robin Wilson <ro...@rtwilson.com> wrote:

>

>

>

>> Hi Chris,

>

>> That's great. Yes, your description is correct - that's exactly what I

>> want to do.

>

>> Cheers,

>

>> Robin

>

>>> Hi Robin,

>>> i have such a vectorised function. Please give more details. Do you

>>> want to clean all pixels including the center pixel in a moving

>>> window, if the center pixel is below a threshold?

>

>>> Cheers

>

>>> CR

>

> Hi Robin,

>

> You described the problem in two different ways:

> (1) clean the pixel neighborhood if the center pixel is below a

> threshold

> (2) clean the pixel if the number of neighbors on is below a threshold

>

> I understand that you actually mean case (2). You can try that (I did

> not test the code):

> kernel_size = 9

> threshold = 3.0 / (kernel_size*kernel_size) ;3 pixels on out of a 9x9

> neighborhood

> Image[WHERE(SMOOTH(image, [kernel_size,kernel_size], /EDGE_TRUNCATE)

> LT threshold)] = 0

A correction: if image is not a float array, please change it like
that:

Image[WHERE(SMOOTH(FLOAT(image), [kernel_size,kernel_size], /
EDGE_TRUNCATE) LT threshold)] = 0

If you want the code to be robust, you should also check that WHERE is

not -1.
