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Subject: Re: Erosion and dilation

Posted by [Martin Downing](#) on Wed, 23 Jan 2002 10:55:40 GMT

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"Akhila" <idlfreak@yahoo.com> wrote in message  
news:b1ad7b05.0201222154.179148@posting.google.com...

> HI,  
> I have a image in this link given below. This image is a segmented  
> and thresholded binary image. I want to perform morphological  
> operations so that i can get the arteries and veins only.  
>  
> <http://www.geocities.com/idlfreak/image.jpg>  
>  
> this is what i tried:  
> st\_el = 1  
> B=REPLICATE(1,st\_el,st\_el)  
> image2=ERODE(DILATE(image1,B),B)  
> WINDOW,2,XSIZE=imSize[1],YSIZE=imSize[2]  
> TVSCL,CONGRID(image2,imSize[1],imSize[2])  
>  
> when i enter a value of 1 for the structuring elements. the image is  
> completely black and for a value of 2 its completely white. I have no  
> idea why that happens. I'm not able to enter a value that's floating  
> also.  
>  
> Can anybody help me with this please.  
>  
> thank you in advance....  
>  
> Cheers,  
> Akhila.

Hi Akhila,

To do something useful with erode/dilate you need a structuring element greater than one pixel!!! I would recommend you having a wee look at a text on morphology to get you started. I cant reproduce your results, but either way "st\_el = 2" will work with a value of 1b  
Also I hope you are not working on a JPEG saved true color version of your "binary" image. If you need to save it use an non lossy format (tiff/png) and convert it to a byte image - not true color!

Good luck

Martin

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