
Subject: Re: Scale many regions in one image without using xroi

Posted by [Yngvar Larsen](#) on Thu, 11 Oct 2012 15:14:21 GMT

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On Thursday, 11 October 2012 12:31:49 UTC+2, (unknown) wrote:

> I did try dilate but nothing happened; I expect I used it wrong as I didn't really
> understand it. Could you give me an example of how it could be used in this case?

You must define a structure element to dilate with. For your case, an all one square matrix of some size might do the trick.

```
IDL> array = bytarr(10,10)
```

```
IDL> array[4:6,4:5] = 1
```

```
IDL> array[6,3] = 1
```

```
IDL> print, array
```

```
0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 1 0 0 0
0 0 0 0 1 1 1 0 0 0
0 0 0 0 1 1 1 0 0 0
0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0
```

```
IDL> print, dilate(array, bytarr(2,2)+1B)
```

```
0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 1 1 0 0 0
0 0 0 1 1 1 1 0 0 0
0 0 0 1 1 1 1 0 0 0
0 0 0 1 1 1 1 0 0 0
0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0
```

```
IDL> print, dilate(array, bytarr(3,3)+1B)
```

```
0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 1 1 1 0 0
0 0 0 1 1 1 1 1 0 0
0 0 0 1 1 1 1 1 0 0
0 0 0 1 1 1 1 1 0 0
0 0 0 1 1 1 1 1 0 0
0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0
```

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Yngvar
