Subject: Re: Mask to ROI

Posted by Karsten Rodenacker on Tue, 06 Feb 2007 20:12:41 GMT

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Don't forget the hint of Ben Tupper concerning Davids boundary procedure. I am sure you will find out the problems inherent to the different approaches.

I still hope somebody will find the time to implement real polygon (ROI) intersections and unions etc.!

Going via a mask is in fact only a very rough way, resolution dependent etc.!

Regards

Karsten

Am Tue, 06 Feb 2007 20:31:18 +0100 schrieb Erik <janssen.e@gmail.com>:

```
> On 6 feb, 18:39, "Erik" <jansse...@gmail.com> wrote:
>> On 5 feb, 23:12, "Karsten Rodenacker" <karsten.rodenac...@gsf.de>
>> wrote:
>>
>>
>>
>>> Possibly you should try to use contour procedure with keyword PATH_XY,
>>> PATH INFO, PATH DATA COORDS.
>>> Regards
>>> Karsten
>>
>>> Am Fri, 02 Feb 2007 15:28:57 +0100 schrieb Erik <jansse...@gmail.com>:
>>>> Hi Folks,
>>>> A time ago I asked if I could cut a piece out of a ROI. Now I've
>>>> created a mask of the ROI and edited the mask the way I wanted it
>>>> This worked good for my analysis results, but I want the user to see
>>>> the cutted ROI so I have to edit the DATA array from the ROI to
>> modify
>>>> the displayed ROI. This leads to the following question;
>>
>>>> Is there a way to convert a mask into a ROI Data Array??
>>
>>>> For example:
>>
>>>> Mask[5,5]
>>> 00000
```

>>> 00100

```
>>>> 01110
>>> 00100
>>> 00000
>>
>>> Needs to become:
>>> ROIData [ [2,1,0],[3,2,0],[3,3,0],[1,2,0] ]
>>
>>>> Please note that the ROI can be drawed when the first coordinate is
>>> connected with the second and so forth. The centered value in the
>> mask
>>> should not be saved in the result; I only want the boundary points
>>>> draw my ROI.
>>
>>>> I've tried to figure out a algorithm to trace the border when I got
>>>> the first point, but this takes much time and I wonder if there
>> ain't
>>> any simpler way to do it...
>>
>>> Help would be really appreciated!!
>>
>>> --
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>> E-Mail-Modul:http://www.opera.com/m2/
>>
>> Thanks! I will check this out and post my findings!
>
  Wow I'm amazed! The countour function totally did the trick for me!
>
  So for all future searchers; THE way to convert a MASK into a new ROI:
> CONTOUR, mask, /PATH_DATA_COORDS, PATH_XY=data
  newROI = obj_new('IDLgrROI', DATA = data)
> Big thanks!!
>
```

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