
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
>> to.

>>>> 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 drawn 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
>> to
>>>> 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!!
>>
>>> --
>>> Erstellt mit Operas revolutionï¿½erem
>> 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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