
Subject: Re: Mask to ROI

Posted by [Erik\[1\]](#) on Tue, 06 Feb 2007 19:31:18 GMT

[View Forum Message](#) <> [Reply to Message](#)

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 revolutionärem 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!!
