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Subject: Re: Raster to Vector outlines- Classification Image

Posted by [Mort Canty](#) on Sat, 23 Jan 2010 19:05:40 GMT

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Am 23.01.2010 15:50, schrieb Robin Wilson:

> Hi,  
>  
> I've got a classification image consisting of various polygons, each of  
> a different value (integers, from 1 to about 59,000!). I'd like to  
> display all of the boundaries of these polygons on the image, either in  
> an EVF file or just as an ROI with pixels for each of the boundaries so  
> I can overlay it on the image.  
>  
> I've tried using RTV\_DOIT, but that extracts each boundary to a separate  
> EVF file. I've written a routine to stitch together all these EVF files,  
> but the creation of 1000 of the EVF files using RTV\_DOIT takes quite a  
> while - and the 59,000 polygons I have is only for a small image!  
>  
> Does anyone know of any better way to do this? It can be using an ENVI  
> procedure or a built-in IDL function, or a simple way to write some IDL  
> code to do this.  
>  
> Best regards,  
>  
> Robin Wilson  
> University of Southampton

You can try this:

```
boundaries = classimage*0  
boundaries[where( (classimage-shift(classimage,1,0) ne 0) $  
                  or (classimage-shift(classimage,0,1) ne 0) )] = 1
```

Mort

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