Posted by **alexmtzdeagirre** on Wed, 29 Apr 2009 10:39:51 GMT

Hello, I am trying to make a Batch file with several Envi processingtasks, one of the task is to build a mask from a vector file (in shpformat). From the ENVI menu there is a command to do it called:"Build Mask", and also a command called "Apply Mask" for the latterthere is a correspondent ENVI_MASK_APPLY_DOIT, but for the formerthere is not. Does anybody know a way around it? Alex

Posted by **jeffnettles4870** on Wed, 29 Apr 2009 23:04:13 GMT

On Apr 29, 11:36 am, frasca <josea.malp...@gmail.com> wrote:
> Hello,
> We are trying to make a Batch file with several Envi processing tasks,
> one of the task is to build a mask from a vector file (in shp format).
> From the ENVI menu there is a command to do it called: "Build Mask",
> and also a command called "Apply Mask" for the latter there is a
> correspondent ENVI_MASK_APPLY_DOIT, but for the former there is not.
> Does anybody know how to do it?
>
> Jose

Jose,

As far as I know you will need to build your own routine for this.
Have a look at this thread to get you started:

 http://groups.google.com/group/comp.lang.idl-pvwave/browse_f
rm/thread/4b90c8f4a2c7b715/782d5e7153c7fda8?lnk=gst&q=Ap
ply+shapefile#782d5e7153c7fda8

This thread mostly deals with building masks from EVF files (that were created by converting shapefiles) but you could modify the process to work with an IDLffShape object.

Good luck,
Jeff

Posted by **josea.malpica** on Thu, 30 Apr 2009 14:40:36 GMT

> Have a look at this thread to get you started:
>
> http://groups.google.com/group/comp.lang.idl-pvwave/browse_f rm/thread...
>

Thank you for your response

We have tried to follow the advice in
 http://groups.google.com/group/comp.lang.idl-pvwave/browse_f rm/thread...
And from there we have made the program below.

I do not understand how ENVI_GET_ROI get the pixel coordinates.

When program is run the roi address returned is -1
Do anyone know where the error(s) are?
Thank you very much in advance.

Jose

```
pro abrirvector, event

envi_select, title='Choose multispectral image',fid=fid
ENVI_FILE_QUERY, fid, dims=dims
roi_id = envi_create_roi (nl=nl, ns=ns)

; Opening my evf file
evf_fname = '11_polygon_.evf'
evf_id = envi_evf_open(evf_fname)

; Get the vector information
envi_evf_info, evf_id, num_recs=num_recs, $
data_type=data_type, projection=projection, $
layer_name=layer_name

for i=0,num_recs-1 do begin
  record = envi_evf_read_record(evf_id, i)
  envi_define_roi, roi_id, /polygon, xpts = record[0,*], ypts = record
[1,*]
endfor

envi_evf_close, evf_id
roi_addr = envi_get_roi(roi_id)
print, 'ROI: ', roi_addr

end
```