
Subject: math_doit split window

Posted by [jmartine](#) on Sat, 28 Feb 2004 22:20:09 GMT

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Hi,

I'm new in IDL and this is my first post.

I'm trying to perform a split window algorithm on a set of avhrr images, and I'm doing with the envi math_doit routine. the problem is that the algorithm

needs inputs from different files and I don't know how put bands from different files in the expresion

exp = 'b4+(2+(0.28*W))*(b4-b5)-(0.4-(0.48*W))+(53-(4*W))*(1-e)+(14.9-26W)De

```
pro split_window
envi, /restore_base_save_files
envi_batch_init, log_file='batch.txt'
;
envi_open_file, '1995029_cal', r_fid=fid
if (fid eq -1) then begin
envi_batch_exit
return
endif
;
envi_file_query, fid, ns=ns, nl=nl, nb=nb
t_fid = [fid,fid]
dims = [-1, 0, ns-1, 0, nl-1]
pos = [0,1]
exp = 'b4+(2+(0.28*W))*(b4-b5)-(0.4-(0.48*W))+(53-(4*W))*(1-e)+(14.9-26W)De
out_name = '1995029_ts'
;
envi_doit, 'math_doit', $
fid=t_fid, pos=pos, dims=dims, $
exp=exp, out_name=out_name, $
r_fid=r_fid
;
; Exit ENVI
;
envi_batch_exit
end
```

for example this are the three files for an image

1995029_cal

1995029_emi

1995029_deltae

the first file is the avhrr calibrated image (5 bands), the two last images has only one band, corresponding to the "e" and "De" parameters of the expresion.

W is a constant.

Any help is appreciated
Thanks in advance

Javier Marti¹/₂nez
Instituto del Medio Ambiente
Universidad de la Frontera
