
Subject: I have a problem with ENVI's Band Math Tool and functions written by me.
Posted by [wl2776](#) on Thu, 19 Feb 2004 15:18:49 GMT

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I have a function:

```
function xlorofil, b1, b2
  if (b2 ne 0) then begin
    return, 0.88*(b1/float(b2))^(-2.26)
  endif else begin
    return, -2
  endelse
end
```

It is situated in the file in save_add directory.

On startup idlde writes that this module was compiled successfully.

When I try to use it in Band Math

xlorofil(b1,b2)

I get a message saying that I have entered an invalid expression.

However command

print, xlorofil(1,2)

executed from the command line of idlde, works fine.

And the expression

xlorofil(b1,2)

is accepted by the Band Math tool.

Where is the problem?

Why cannot I execute my function on two image bands?

Subject: Re: I have a problem with ENVI's Band Math Tool and functions written by me.

Posted by [tianyfn_cn](#) on Mon, 23 Feb 2004 01:16:50 GMT

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wl2776@yandex.ru (wl) wrote in message

news:<1c9e5a19.0402190718.6cd9ec66@posting.google.com>...

> I have a function:

>

```
> function xlorofil, b1, b2
>   if (b2 ne 0) then begin
>     ~~~~~
>     ENVI regards it as a variable (not a 2-d array).
```

I recommend you to use WHERE function to find the subscripts of nonzero pixels and then perform calculations.

Regard,
Tian.

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>   return, -2
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