## 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.
```

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

Posted by tianyf\_cn on Mon, 23 Feb 2004 01:16:50 GMT

Why cannot I execute my funcion on two image bands?

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Where is the problem?

```
wl2776@yandex.ru (wl) wrote in message
news:<1c9e5a19.0402190718.6cd9ec66@posting.google.com>...
> I have a function:
```

```
function xlorofil, b1, b2if (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
>
   endelse
  end
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> Where is the problem?
> Why cannot I execute my funcion on two image bands?
```