Subject: Re: arrays vs. functions conflicts
Posted by Paolo Grigis on Fri, 05 Mar 2004 15:26:34 GMT
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David Fanning wrote:
> Paolo Grigis writes:
>
>
>> Allright, I know this is difficult for IDL, but I would
>> just like to know if there is a way out of the problem...
>> Ok, maybe I was just being too optimistic, and there is
>> not a solution beside hoping that everybody will switch to
>> the []-bracket notation as soon as possible. In the
>> meantime I suppose I have to be careful on the order
>> of compilation of the routines.
>>
>> In any case, there aren't any compiler directives in the
>> main procedure.
>
>
> Well, somewhere then. IDL just doesn't figure this out
> on its own. Are you sure the problem has to do with
> square brackets and not naming conventions? Is the offending
> program in its own file, with the file having the same
> name as the program module?
>
> Cheers,
>
> David

Dear David,
I made a simple example which shows the problem:

;file test1.pro
FUNCTION test1

return,-1

END

;file test2.pro
PRO test2

test1=[5,4,6]

print,test1(0:1)

END

After strting idl:

```
;this fails
print,test1()
test2

;output:
IDL> print,test1()
% Compiled module: TEST1.
      -1
IDL> test2

print,test1(0:1)
            ^
% Syntax error.
   At: /users/pgrigis/test2.pro, Line 5
% Compiled module: TEST2.
% Attempt to call undefined procedure/function: 'TEST2'.
% Execution halted at:  $MAIN$
```


compare with:

```
;this works
test2
print,test1()
test2


;output
IDL> test2
% Compiled module: TEST2.
      5      4
IDL> print,test1()
% Compiled module: TEST1.
      -1
IDL> test2
      5      4
```


Quite bad, isn't it?

Cheers,
Paolo

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