
Subject: Re: legend not working with symcat
Posted by [wlandsman](#) on Thu, 05 Nov 2009 00:48:24 GMT
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On Nov 4, 6:19 pm, David Fanning <da...@dfanning.com> wrote:

> Wayne Landsman writes:
>> That would be true if all users had symcat.pro in their !path. But
>> in case there are some inexperienced users who don't have the Coyote
>> library installed yet, I've slightly modified your update to
>> legend.pro to only call symcat.pro for non-standard PSYM values.
>
>> <http://idlastro.gsfc.nasa.gov/ftp/pro/plot/legend.pro>
>
> The problem now is that LEGEND won't compile *unless* you
> have SYMCAT in your path. :-(

Well, I don't think compilation is a problem, e.g. the program

```
pro test,dum
if keyword_set(dum) then a = some_program(3) else print,'AOK'
return
end
```

will run fine so long as one doesn't try to access Some_program().

```
IDL> test
% Compiled module: TEST.
AOK
IDL> test,1
% Variable is undefined: SOME_PROGRAM.
% Execution halted at: TEST          2 /Volumes/Apps_and_Docs/
landsman/codev/test.pro
```

(If I had added a compile_opt idl2 at the beginning, it would also know that SOME_PROGRAM is an underlined function/procedure rather than a variable.)

Similarly, legend.pro should now run fine without symcat.pro in one's ! path, so long as one doesn't try to use a value of PSYM>=11.

But I agree the more general question is difficult. Currently, I keep JHUAPL routines I need in a separate directory, and tell users to delete the directory if they have the entire JHUAPL library installed.

--Wayne
