Subject: Re: newbie seeks to debug "% Syntax error."
Posted by Tom Roche on Sat, 05 Jul 2008 02:02:54 GMT
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Tom Roche Fri, 4 Jul 2008 14:05:42 -0700 (PDT)
>> I'm guessing the etiology here is that IDL fails to find the
>> definition, then gets the syntax error at the '=', which is illegal
>> in an array.

Timm Fri, 4 Jul 2008 15:18:31 -0700 (PDT)
> That's right. It has happened to me that IDL doesn't find the
> routine called, even if its *.pro file *is* actually somewhere in
> the !PATH. In any case, adding

>   COMPILE_OPT strictarr

> in the routine code (see the online help for COMPILE_OPT) will at
> least force IDL to interpret parentheses as function calls (and
> require square brackets for array indexing).

Thanks! BTW, I notice

 http://127.0.0.1:54669/help/topic/com.rsi.idl.doc.core/COMPI LE_OPT.html
>>> We recommend the use of

>>> COMPILE_OPT IDL2

...

>>> * IDL2 -- A shorthand way of saying:

>>>   COMPILE_OPT DEFINT32, STRICTARR

>>> * DEFINT32 -- IDL should assume that lexical integer constants
>>>   default to the 32-bit type rather than the usual default of
>>>   16-bit integers. This takes effect from the point where the
>>>   COMPILE_OPT statement appears in the routine being compiled and
>>>   remains in effect until the end of the routine. The following
>>>   table illustrates how the DEFINT32 argument changes the
>>>   interpretation of integer constants.