
Subject: Re: Passing optional parameters through a wrapper routine
Posted by [davidf](#) on Tue, 08 Feb 2000 08:00:00 GMT

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Kenneth P. Bowman (bowman@null.edu) writes:

- > The _EXTRA keyword handles passing keyword parameters through a wrapper
- > routine, but what about optional parameters?

_Extra (and _Ref_Extra, for that matter) apply only to *KEYWORD*
parameters. Positional parameters do not count.

- > If my wrapper for TVRD has
- > one of my own (mandatory) parameters, do I have to do the following?
- >
- > PRO TVRD_WRAPPER, my_arg, x0, y0, nx, ny, channel, _EXTRA = tvrd_keywords
- >
- > CASE N_PARAMS() OF
- > 1 : image = TVRD(_EXTRA = tvrd_keywords)
- > 2 : image = TVRD(x0, _EXTRA = tvrd_keywords)
- > 3 : image = TVRD(x0, y0, _EXTRA = tvrd_keywords)
- > 4 : image = TVRD(x0, y0, nx, _EXTRA = tvrd_keywords)
- > 5 : image = TVRD(x0, y0, nx, _EXTRA = tvrd_keywords)
- > 6 : image = TVRD(x0, y0, nx, ny, channel, _EXTRA = tvrd_keywords)
- > ELSE : MESSAGE, 'Incorrect number of arguments.'
- > ENDCASE
- > ...

That's one way to do it. :-)

Another way is to define any parameter that is NOT passed
in. That might make more sense, since this is standard
operating procedure for any optional parameter.

IF N_Elements(y0) EQ 0 THEN y0 = 0
IF N_Elements(nx) EQ 0 THEN nx = 100
etc.

- > (Is TVRD just counting the number of passed
- > parameters and not checking to see if they are defined?)

Hard to know what TVRD is doing, but what *you*
better be doing is making sure any variable you
plan to use is defined. :-)

Cheers,

David

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