
Subject: Re: Passing optional parameters through a wrapper routine

Posted by [Liam E. Gumley](#) on Tue, 08 Feb 2000 08:00:00 GMT

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Kenneth P. Bowman <bowman@null.edu> wrote in message

news:bowman-0802001505360001@bowman.tamu.edu...

```
> The _EXTRA keyword handles passing keyword parameters through a wrapper
> routine, but what about optional parameters? 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
> ...
>
> If I just try to pass undefined arguments through my wrapper, I get
> 'undefined variable' errors. (Is TVRD just counting the number of passed
> parameters and not checking to see if they are defined?)
```

Ken,

In cases like this I usually cross my arms, put my feet up on the desk, look a person in the eye, and ask:

"How about telling me what the problem is?"

In other words, I'd like to know why you're writing a wrapper for TVRD. I've done it myself for a number of reasons...

Cheers,
Liam.
