Subject: Re: Optional parameters
Posted by Craig Markwardt on Wed, 25 Feb 2004 05:50:39 GMT
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JD Smith <jdsmith@as.arizona.edu> writes:

- > I'd offer another real life example where read-write keyword variables
- > can get you into trouble. When you call a function several times in a
- > row, expecting the same results each time, but in actuality the
- > keyword variable is defined after the first invocation, which can
- > change the function's behavior:

>

- > a=myfunc(test,FUNNY\_VARIABLE=foo); foo undefined
- > a=myfunc(test,FUNNY\_VARIABLE=foo); foo defined
- > a=myfunc(test,FUNNY\_VARIABLE=foo); foo defined

Yes, I've encountered this kind of problem before as well, and it's one of the most evil and difficult problems to solve.

That's why I define all of my functions as

The "0" variable is the pristine variable that never gets changed, and the regular variable is the one that is internal to the procedure. I do that as a matter of habit now and it's not too labor intensive.

I do kind of wish that there would be an automatic way for IDL to peel off a local copy of a variable for internal calculations.

Craig

end

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