Subject: Re: Func define
Posted by Kenneth P. Bowman on Sun, 07 May 2000 07:00:00 GMT
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In article <3914EBCF.64D4E023@crsa.bu.edu>, Yu Zhang
<yuzhang@crsa.bu.edu> wrote:

> I happen to have a small problem when I tried to do some
> integrations with IDL. For example, I want to use INT_2D or QSIMP to do
> a calculation. But I found out that the "Func" defined in these
> functions
> only have limited parameters (equal to dimension of integral you want to
> do).
> Other coefficiences must be fixed.
> What to do if I need more parameter in the defined function?
> (e.g. I need y=a*x+b and want to change a, b value outside)
> It seems strange that this shouldn't be difficult to consider,
> or I just fail to catch up the spirit of IDL.

A simple way to do this, although not the only way, is to include a
common block in the function.

```
FUNCTION MY_FUN, x

COMMON MY_FUN_PARAMETERS, a, b

RETURN, a + b*x
END
```

Regards, Ken Bowman

Subject: Re: Func define
Posted by meron on Sun, 07 May 2000 07:00:00 GMT
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In article <3914EBCF.64D4E023@crsa.bu.edu>, Yu Zhang <yuzhang@crsa.bu.edu> writes:
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> or I just fail to catch up the spirit of IDL.
> Thank you very much for your help.
>
> Yu Zhang
>
You could use ROMBERG, from my library. Of course, then, you'll need other fuctions that ROMBERG is calling, so it'll be best to take the whole library.

Mati Meron | "When you argue with a fool,
meron@cars.uchicago.edu | chances are he is doing just the same"