
Subject: Re: how to use _EXTRA convention
Posted by [mirko_vukovic](#) on Fri, 09 Oct 1998 07:00:00 GMT
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In article <NOSPAM.98Oct9090301@pickering.ll.mit.edu>,
nospam@ll.mit.edu (Joseph Scott Stuart) wrote:

>
> I'm a little confused about the _EXTRA convention for passing
> parameters to a function works. I'm writing a routine to use with
> mpfit (thanks to Craig B. Markwardt), and I want to pass in some extra
> arguments via the functargs command. The mpfit procedure calls the
> function that I specify like this:
>
> fp = call_function(fcn, xp, _EXTRA=fcnargs)
>
> So, if fcnargs = { X: Xvals, Y: Yvals, Err:Evals, D:dval, G:gval }
>
> then do I define my function like this:
>
> function myfunct, P, X=x, Y=y, Err=err, D=d, G=g
>
> or like this:
>
> function myfunct, P, _EXTRA=e
> x = e.X
> y = e.Y
> err = e.Err
> d = e.D
> g = e.G
>
> Or something else entirely?
>
> thanks,
> scott
>
> --
> Scott Stuart
> stuart at ll mit edu
>

The call is:
fp = call_function(fcn, xp, X=x, Y=y, Err=err, D=d, G=g)

the function is:
function myfunct, P, X=x, Y=y, Err=err, D=d, G=g

And the explanation is:

MPFIT code looks like
PRO MPFIT, <<mpfit arguments>>, _extra=OtherKeywords

and inside its bowels, it makes a call that is essentially

result=func,_extra=OtherKeywords

IDL packages all the keywords that MPFIT does not need into OtherKeywords, and passes them to func. Func will then pick the stuff it needs from OtherKeywords.

Good luck,

Mirko

>

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