Subject: Re: pass parameters to a function when calling BROYDEN or NEWTON routines
Posted by Helder Marchetto on Fri, 28 Jun 2013 14:22:09 GMT
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On Friday, June 28, 2013 4:12:16 PM UTC+2, tas....@gmail.com wrote:
> Hi there,
>
>
>
> following the example in the BROYDEN reference page in IDL, I first determine the non-linear system of equations by creating a function which then is called by the BROYDEN function. The problem I am facing here is that I would like to pass parameters in the first function while calling the BROYDEN function.
>
>
>
> For example:
>
>
>
> first determine the equations
>
> FUNCTION broydenfunc, X
>
> ...
>
> END
>
>
>
> then call the broyden function
>
> result = BROYDEN(X, 'broydenfunc')
>
>
>
> So my question again is how I can pass parameters to the BROYDENFUNC function when calling the main BROYDEN function? I would like to keep the BROYDENFUNC in a loop where different parameters are passed every time.
>
>
>
> Thanks in advance!
>
> T

With a common block?

```
FUNCTION broydenfunc, X
COMMON broydenfuncParams, p0, p1

...
END
```

and then call like this:
```
COMMON broydenfuncParams, p0, p1   ; this should be at the beginning
for i =0,9 do begin
  p0=i
  p1=i*2
  result = BROYDEN(X, 'broydenfunc')
endfor
```

Hope it helps,
Helder