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Subject: pass parameters to a function when calling BROYDEN or NEWTON routines

Posted by [Tasos](#) on Fri, 28 Jun 2013 14:12:16 GMT

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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!

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