
Subject: Re: Passing more than an initial guess to a function used by NEWTON
Posted by [penteado](#) on Thu, 24 Feb 2011 20:32:29 GMT

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On Feb 24, 5:13 pm, fgg <fabioquimaraesgoncal...@gmail.com> wrote:

```
> I'd like to solve an equation from within a procedure using Newton's method. e.g.  
>  
> pro my_procedure  
> ...  
> c1 = 3  
> x_guess = 2  
> result = newton(x_guess, 'my_function', itmax=100)  
> print, result  
> ...  
> end  
>  
> ... but I'd like to pass to my_function (i.e. the equation to be solved by NEWTON) not only the  
initial guess, x_guess, but also a few constants that are being defined within my_procedure (e.g.,  
c1). Is that possible? Here's an example of my_function:  
>  
> function my_function, x  
>     return, x^2 + 5*x - c1  
> end
```

I encountered this issue in the past, and would be interested in a way better than system or global variables. It would be so easy if newton() had something like the uvalues used by widgets, or it called a method on an object.
