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 <fabioguimaraesgoncal...@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 + 5x - 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.