
Subject: Passing more than an initial guess to a function used by NEWTON

Posted by [fgg](#) on Thu, 24 Feb 2011 20:13:12 GMT

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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
```

Thanks
