Subject: Solution of Nonlinear System of Equations (BROYDEN etc.)
Posted by air_jlin on Sun, 25 Aug 2002 04:08:05 GMT
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Hi all,

I've this system of nonlinear equations that I want to solve iteratively and was planning on using BROYDEN to do it. What I'm wondering is how do I implement the function in BROYDEN so that I can change parameters on the fly. For instance, in the example in the help file, one of the equations is:

3x - COS(yz) - 1/2 = 0

They then hard-wire the constants (3, 1/2, etc.) into BROYFUNC. But let's say I want to be able to change the 3x to ax where "a" is a constant I specify and change as the program runs. Is there a way to do this in a way the BROYDEN call will understand? I couldn't find the source code for BROYDEN to see if this is possible.

Thanks!

Best,
-Johnny

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