Subject: Re: CONSTRAINED MIN

Posted by davidf on Tue, 08 Sep 1998 07:00:00 GMT

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Colin Rosenthal (rosentha@asp.hao.ucar.edu) writes:

- > Has anyone had much joy using CONSTRAINED\_MIN in idl 5.1?
- First the obvious. The calling sequence in the documentation is
- > CONSTRAINED\_MIN, Xbnd, Gbnd, Nobi, Gcomp, X. Inform
- > while that in the example code is
- CONSTRAINED\_MIN, x, xbnd, gbnd, nobj, gcomp, inform
- > The latter is correct.
- > Now the less obvious. On my first run it returns a value of the
- > keyword INFORM of 7, although it only documents values between -1
- > and 6! On the other hand, it apparently has found a better solution
- > than POWELL (my problem is currently unconstrained) in many fewer function
- > calls so I'm not ready to abandon ship just yet. Has anybody else
- > experienced anything similar?

I'm not sure what version of IDL docs you have Colin, but here is a post from not too long ago:

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Just to put everyone on the same page about this, the correct sequence of arguments in the Constrained Min command is this:

CONSTRAINED\_MIN, X, Xbnd, Gbnd, Nobj, Gcomp, Inform

The documentation incorrectly shows the command sequence as this:

CONSTRAINED\_MIN, Xbnd, Gbnd, Nobj, Gcomp, X, Inform

Moreover, the Nobj argument is shown with a value of -4. It should have a value of 3 to make the example work correctly.

I see the IDL 5.2 beta documentation has the problems sorted out. :-)

Cheers,

David

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