
Subject: Re: Any 1D functional minimization routines out there?

Posted by [daft](#) on Tue, 04 Apr 1995 07:00:00 GMT

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dan> You might try FX_ROOT. It uses Muellers method.

dan> Dan (I speak for no organization) O'Connell

Hi Dan,

Thanks for your post. I checked out Muller's method in the IDL docs and I understand what it does. I wonder if you, or someone else more versed in numerical analysis than I, could comment on this:

Obviously, I can minimize my function by forming its derivative and root finding. But my function is not analytic and I am not keen on doing numerical differencing (because this is ill-conditioned, I imagine). Is there a deeper link between root finding and minimization which I am missing?

If not, I guess I'll translate some C routines into IDL (I can't CALL_EXTERNAL, for another unrelated reason). But this will be slooow (loops) unless I spend a long time on it.

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