Subject: Re: New user revisited
Posted by meron on Wed, 04 Jun 1997 07:00:00 GMT
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In article <Pine.SOL.3.95.970603185017.6133C-100000@comp>, Brent Ragar
<bragar@comp.uark.edu> writes:
> After several replies to my earlier question (for which I am most
> grateful), it was suggested that I post my problem to the group for
> everyone to "have a crack at it." Apparently some people enjoy this kind
> of thing. :^)
> I am trying to solve for the value x in an equation similar to the
> one below (note, integer on left-hand side of = sign is not necessarily
> going to be 1 and ln stands for the natural log):
>
> 1 = (ln(1-X))/(ln(1+x))
>
> Since I can't isolate the x, I can't take the easy way out and
> just define the variable like I have been doing. It has been suggested
> that another program might be easier or even necessary, but I just wanted
> to make sure that I exhausted all my possibilities with IDL before I move
> on. Thanks a lot for your time...
>
There is a routine in my library, name ROOT, which will find the roots
of anything that can be written as an IDL function. Handles multiple
roots too. Your function is relatively simple, shouldn't be any
problem.

If you are interested, do anonymous FTP to cars3.uchicago.edu. Once
you've logged in, change directory down to MIDL. The routine is
there. NOw, I suggest downloading everything in sight (eighty
something routines) since most of them call one another thus if you
get just a partial set, it may not work. And, you may find other
interesting goodies there.

Mati Meron | "When you argue with a fool,
meron@cars.uchicago.edu | chances are he is doing just the same"