Subject: Solving nonlinear equations
Posted by Thierry Savin on Sat, 01 Nov 2003 22:21:50 GMT

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Hi all,

Is it possible to create a function called let's say "solvef":

IDL> x=solvef(a,'f')

that returns x the solution of f(x,a)=0 ?

Thanks for any suggestion.

Subject: Re: Solving nonlinear equations
Posted by Thierry Savin on Mon, 03 Nov 2003 18:36:37 GMT

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Ok, after a long week-end spend in the IDL6 "stupid PDF" help, I give
myself an answer.

```
function myfunc,x
common myfunca,a
return,f(x,a)
end

function solvef,b
common myfunca,a
a=b
x=fx_root([0,1,2],'myfunc')
return,x
end
```

I was missing the common block trick.
Thanks for your answers and procedures,
but they are way too complicated for me.

-T

Thierry Savin wrote:

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