Subject: Common block compilation error
Posted by Gray on Mon, 22 Nov 2010 14:00:57 GMT
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Hi all,

I'm using the NASA IDL astronomy library's MINF_BRACKET and MINF_PARABOLIC routines to minimize a function. Doing so requires that I use a common block for some other parameters. The routine that calls the minimization routines gets passed the parameters and stores them in the common block. I had thought that I could name the input parameters for the calling function as the same as the common block variables, so that they would be automatically stored, but doing so gives a compilation error, and so I have to name them differently and assign their values to the common block variables. Is there any reason why this should be so? It seems an unnecessary extra step...

--Gray

Code (gives error):

```
FUNCTION m87_scl, scl
  common m87scal, img, im0
  return, robust_sigma(img*scl-im0,/zero)
end

FUNCTION m87_scale, img, im0
  common m87scal
  xa = 0.1 & xb = 10.
  minf_bracket, xa, xb, xc, func_name='m87_scl'
  minf_parabolic, xa, xb, xc, scl, func_name='m87_scl'
  return, scl
end
```