Subject: Re: "Expression Must be a Scalar in this context:" error in nlinlsq function
Posted by David Fanning on Tue, 28 Aug 2012 16:23:51 GMT

elambrid writes:

> So within the function I am using in nlinlsq, I have a common block that contains some global variables that are found within my main routine and used in my function (for simplicities sake it's called ddr). Since nlinlsq works on a "number of functions" basis you pretty much have to recast everything as 1D. I would like to check within my function if a value of one of my arrays is 0, yet the if statement keeps giving me an error of " Expression must be a scalar in
this context: <BYTE   Array(5)>." Below is a sketch of the code. Thanks in advance!
>
> pro auto_target_offset
>
> common offset_vals3,blah1,blah2,blah3,...,blah13,aoffxc,aoffyc
> ...
> solution=nlinlsq("ddr",5,3)
> ...
> end
>
> function ddr,m,r
>
> common offset_vals3 (same as above)
> ...
> if aoffxc eq 0 then w=0
> ...
> end
>
> Thanks again!

I would say that the variable aoffxc is a five-element byte array,
when it should be a one-element scalar to use it in a boolean
expression like this. :-)

Cheers,

David

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Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")