
Subject: Re: change values of structure variable

Posted by [gunvicsin11](#) on Fri, 09 Nov 2012 03:56:03 GMT

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On Thursday, November 8, 2012 8:00:08 PM UTC+5:30, wlandsman wrote:

> I don't see a common block in your read2datatmos.pro program. --Wayne

>

>

>

> On Wednesday, November 7, 2012 11:58:28 PM UTC-5, sid wrote:

>

>> On Tuesday, November 6, 2012 11:53:57 PM UTC+5:30, wlandsman wrote:

>

>>

>

>>> On Tuesday, November 6, 2012 10:23:40 AM UTC-5, David Fanning wrote:

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>>>> You can't change anything about a structure once you create

>

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>

>>>> it in the IDL session.

>

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>
>>> You can't change dimensions or data types, but you should be able to change structure tag
values.  So I don't know why the code is not working for the OP (we don't see his common
block).  But the following works
>
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>>>
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>>
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>>>
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>>
>
>>>
>
>>
>
>>> pro test1
>
>>
>
>>>
>
>>
>
>>> common var,a
>
>>
>
>>>
>
>>
>
>>> a.b(*,*) = 2500
>
>>
>
>>>
>
>>
```

```
>
>>> return
>
>>
>
>>>
>
>>
>
>>> end
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>> pro test
>
>>
>
>>>
>
>>
>
>>> common var,a
>
>>
>
>>>
>
>>
>
>>> a = {b:dblarr(3,5)}
>
>>
>
>>>
>
>>
```

```
>
>>> test1
>
>>
>
>>>
>
>>
>
>>> print,a.b
>
>>
>
>>>
>
>>
>
>>> return
>
>>
>
>>>
>
>>
>
>>> end
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>> IDL> test
>
>>
>
>>>
>
>>
```



```
>
>> His common block is,
>
>>
>
>> atom.common(common block)-COMMON atmosCommon, atmos, H, metals, molecules,
nHmin
>
>>
>
>>
>
>>
>
>> I have written a program as you said like this,
>
>>
>
>> pro test1
>
>>
>
>> common atmosCommon,atmos
>
>>
>
>> atmos.vturb(*,*)=2500.0000
>
>>
>
>> return
>
>>
>
>> end
>
>>
>
>>
>
>>
>
>> I have called this in the function(read2datmos.pro),
>
>>
>
>>
>
```

```

>>
>
>> FUNCTION read2datmos, fileName, BFILE=Bfile
>
>>
>
>> Nx = 0L & Nz = 0L & NHydr = 0L
>
>>
>
>>
>
>>
>
>> openr, unit, fileName, /GET_LUN, /XDR
>
>>
>
>>
>
>>
>
>> readu, unit, Nx, Nz, NHydr
>
>>
>
>> point_lun, unit, 0
>
>>
>
>>
>
>>
>
>> atmos = {Nx: Nx, Nz: Nz, NHydr: NHydr, $
>
>>
>
>>     boundary: lonarr(3), dx: dblarr(Nx), z: dblarr(Nz), $
>
>>
>
>>     T: dblarr(Nx, Nz), n_elec: dblarr(Nx, Nz), $
>
>>
>
>>     vturb: dblarr(Nx, Nz), vx: dblarr(Nx, Nz), $
>

```

```

>>
>
>>      vz: dblarr(Nx, Nz), $
>
>>
>
>>      nH: dblarr(Nx, Nz, NHydr)}
>
>>
>
>>
>
>>
>
>> test1  (I have called the program here).
>
>>
>
>>
>
>>
>
>> But still it is not working.
>
>>
>
>>
>
>>
>
>> Will please let me know if there is any mistake.
>
>>
>
>> thanking you
>
>>
>
>> sid

```

Sir,
 atom.common is the common block program
 and this is the content of the common block,
 "COMMON atmosCommon, atmos, H, metals, molecules, nHmin"
 read2datmos.pro is the function which uses common block variable.
 thanking you
 Sid
