
Subject: Re: Undefined Variable: DC_Write_Fixed/DC_Write_Free - PV WAVE
Posted by [David Fanning](#) on Thu, 22 Mar 2012 20:34:52 GMT

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Erini Lambrides writes:

```
> Hello all, I am getting this error message when i attempt to .run my
> procedure compare_target_offset2
>
> Compiled module: COMPARE_TARGET_OFFSET2.
> % Compiled module: $MAIN$.
> % DC_WRITE_FREE: Variable is undefined.
>
>
> and the same for DC_WRITE_FIXED, when I try to write my data in a
> variable to a .txt file. These two functions should be in the pv wave
> library - I have version 9.00.
>
> here is how I use it within the code:
>
> status= DC_WRITE_FREE('C:\Cryo\SphereCenterData
> \referencetargetdata.txt',rtar)
>
> I apologize now if it's a silly mistake. Thanks!
```

I don't know if this is a "silly" mistake, but it is certainly not an uncommon one. The directory that contains these two functions is simply not on your IDL path. (You can print the directories on your IDL path to confirm this for yourself.)

I think if you add the directory to your IDL path, and restart IDL, you will find that things work a LOT better. :-)

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Undefined Variable: DC_Write_Fixed/DC_Write_Free - PV WAVE
Posted by [David Fanning](#) on Thu, 22 Mar 2012 20:38:38 GMT
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David Fanning writes:

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> and restart IDL, you will find that things work
> a LOT better. :-)
```

Whoops! I meant PV-Wave, of course, not IDL. And, also, my remarks assume DC_WRITE_FREE and DC_WRITE_FIXED are functions, as you have called them here, and not procedures, which would also cause an error message like this.

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
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Subject: Re: Undefined Variable: DC_Write_Fixed/DC_Write_Free - PV WAVE
Posted by [Heinz Stege](#) on Fri, 23 Mar 2012 01:52:28 GMT
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On Thu, 22 Mar 2012 13:30:21 -0700 (PDT), Erini Lambrides wrote:

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> I apologize now if it's a silly mistake. Thanks!
```

In PV-Wave DC_WRITE_FREE generates such an error message, when there is an undefined variable in the parameters. Are you sure, that you assigned any value to rtar? Can you include the statement "info,rtar" before calling DC_WRITE_FREE to see if it is defined or undefined?

HTH, Heinz

Subject: Re: Undefined Variable: DC_Write_Fixed/DC_Write_Free - PV WAVE
Posted by [Erini Lambrides](#) on Tue, 27 Mar 2012 17:43:40 GMT
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On Mar 22, 9:52 pm, Heinz Stege <public.215....@arcor.de> wrote:
> On Thu, 22 Mar 2012 13:30:21 -0700 (PDT),EriniLambrideswrote:
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> assigned any value to rtar? Can you include the statement "info,rtar"
> before calling DC_WRITE_FREE to see if it is defined or undefined?
>
> HTH, Heinz

```

Heinz, My mistake was along the lines of what you said, in the end rtar was undefined. So that problem fixed. Now when I try to format the file, I get this error message:

```

% Internal error: Attempt to store into Temp variable with dynamic
allocation..
% Execution halted at COMPARE_TARGET_OFFSET2 <C:\wave_bin\pvpro
\elam_pro\compare_target_offset2.pro( 80)> (DC_WRITE_FREE).
% Called from $MAIN$ .

```

Right after the loop finishes its first iteration. This is the code:

```

loop4:
artar=fltarr(nfiles)
axc=fltarr(nfiles)
ayc=fltarr(nfiles)

for i=0, nfiles-1 do begin

    spherecenter,aimg(*,*,1),rtar,xc,yc,1,1
    artar(i)=rtar
    axc(i)=xc
    ayc(i)=yc

```

```
status= DC_WRITE_FREE('C:\Cryo\SphereCenterData  
\referencetargetdata.txt',fnames(i),artar(i),/Column, $  
Dt_Template=[1], Format="(A10, 1X, F4.2)")
```

```
endfor
```

```
fnames(i): String=Array(5)  
artar(i):Float=Array(5)
```

Thanks!
