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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:  
>> 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!  
>  
> 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

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!
```

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