Subject: Re: Read and Write IDL SAVE files!
Posted by Christopher W. O'Dell on Thu, 15 Feb 2001 15:35:05 GMT
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thanks craig, i was just messing around with your programs, but when I would really
use CMRESTORE at
this point would be to selectively restore variables, so everything's fine. ANd,
as we have a site license here,
and there's now that cool trick to make gif's with 5.4, i'll probably
upgrade...thanks much!

Chris

Craig Markwardt wrote:

> "Christopher W. O'Dell" <odell@cmb.physics.wisc.edu> writes:
>
>> Craig,
>>
>> Your library looks GREAT. I'm still using v5.2, however, and your CMRESTORE
>> routine had some problems restoring
>> a file written with SAVE (v5.2), giving the following error for each variable
>> in the file:
>>
>> %CMRESTORE: WARNING: could not create variable QFINALMAP in calling routine.
>> ...
>>
>> However, when i do
>>
>> idl> CMRESTORE, filename, qfinalmap
>>
>> it restorest that variable just fine. Any ideas?
>
> Yes, you really have two choices:
>
> * upgrade to IDL 5.3, or;
> * define the variables before you call CMRESTORE.
>
> Before IDL 5.3, there was no programmatic way to *create* a variable
> at the caller's level, but you can modify an existing one.
>
> When you type,
>
>   CMRESTORE, filename, qfinalmap
>
> you are passing by argument, which is something completely different.
> The values are returned by argument, so CMRESTORE doesn't have to try
> to deposit them in the caller's level. This should proceed without a

> hitch.
>
> I should note that it doesn't matter *how* you define the variable, or
> even that you give it a defined value! As long as it exists as a
> named variable you should be fine.
>
> This leads me to my recommended procedures:
>
> * if you are simply trying to restore all the variables, go ahead and
> use RESTORE.
>
> * if you want to restore selected variables, then use one of these:
> CMRESTORE, filename, qfinalmap ; or
> CMRESTORE, x0, x1, names=['filename', 'qfinalmap']
>
> * if you are writing a program then there are some other helpful ways
> to exchange data, using either pointers, or a structure.
>
> Have fun Chris!
> Craig
>
> --
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> Craig B. Markwardt, Ph.D. EMAIL: craigmnet@cow.physics.wisc.edu
> Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
> ----------