Ken Mankoff wrote:
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> On Fri, 8 Apr 2005, Rick Towler wrote:
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>> Ken Mankoff wrote:
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>>> On Wed, 6 Apr 2005, Rick Towler wrote:
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>>> I have downloaded your demos, but I cannot run them. They crash on
>>> line 374 in rhtgrcamera__define.pro on the PLANES=planes keyword.
>>>
>>>   ; Calculate viewing frustum vertices.
>>>   self.frustum = RHTgrCamera_ComputeFrustum(self.zclip, self.fov, $
>>>   self.eye[2], PLANES=planes)
>>>   self.frustPlanes = planes
>>
>>
>> Did you recompile the .dlm and is it finding the .dlm?
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>
> Yeah the first thing I did was go to the dlm/rhtgrCamera and
> dlm/rhtgrAABB directories and type "make". A .so and .o file were
> produced in each dir. I put them somewhere common (../ a.k.a the dlm/
> directory). I pointed the env variable to it, and !DLM_PATH looked
> correct inside IDL also.

The build looks o.k., and the error you are getting is more of a
DLM_PATH problem so I would start there.

Since you aren't seeing "% Loaded DLM: RHTGRCAMERA." when the
application compiles and you aren't seeing any "Unable to load DLM" type
errors I would guess IDL just can't find the .so/.dlm. What happens if
you simply try to compile the IDL code? If IDL didn't find the .dlm you
should get a syntax error on every line where a dlm function is referenced.

FWIW, I always install DLMs in one of two ways: I usually put them in
$IDL_DIR/bin/bin.x86 (would that be bin.darwin for you?) The lazy man's
approach which sidesteps the whole path issue. When I distribute .sav
files for the VM, I put the DLMs in the same directory as the .sav file.

If you move .dlm/.so files you either have to restart IDL or use the
DLM_REGISTER function to force IDL to update it's lookup tables. You
can also use the DLM_LOAD function to determine if IDL can find the dlm:

IDL> dlm_load,'rhtgrcamera'
% Loaded DLM: RHTGRCAMERA.

On subsequent calls in the current session, or when a DLM is already
loaded, you won't see the "% Loaded DLM:" output.

I don't know why your IDL_DLM_PATH doesn't seem to be working... Are
the .dlm and .so files both in that directory?

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