

How to use Liquid

- Development environment

see ./readme.txt

- Build

see ./readme.txt

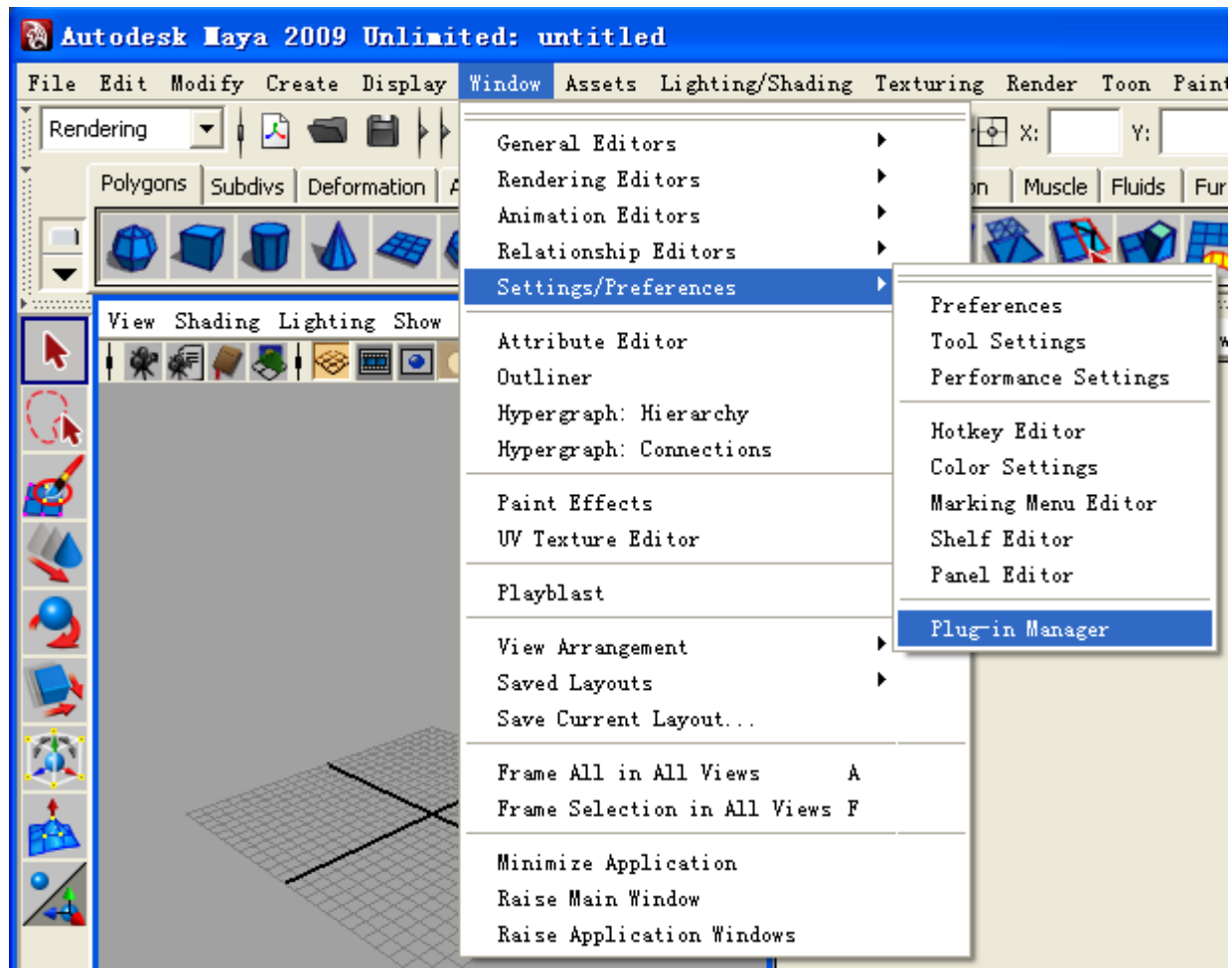
- Install

see ./readme.txt

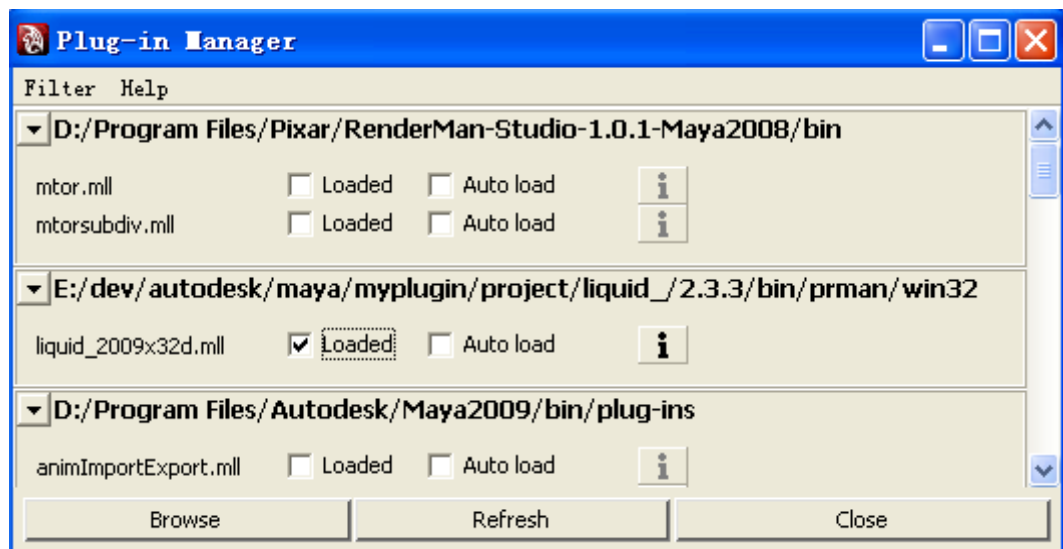
-load liquid plugin

Demo scene is (\$liquid_root)/2.3.3/doc/HowToUseLiquidmaya.ma

1)

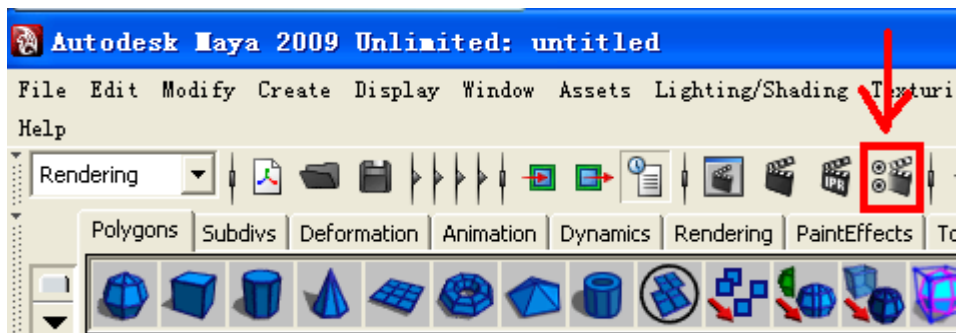


2) select liquid_2009x32d.mll

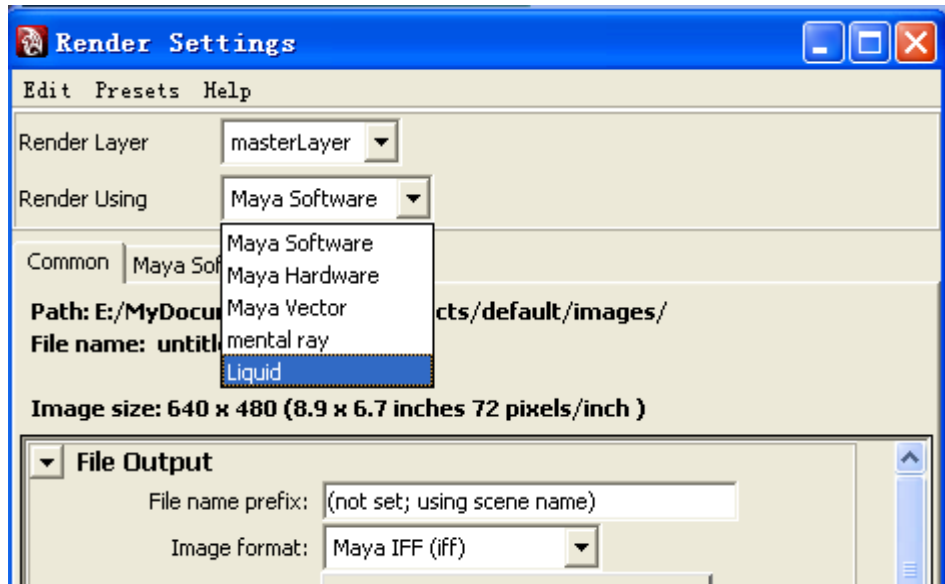


-select liquid renderer

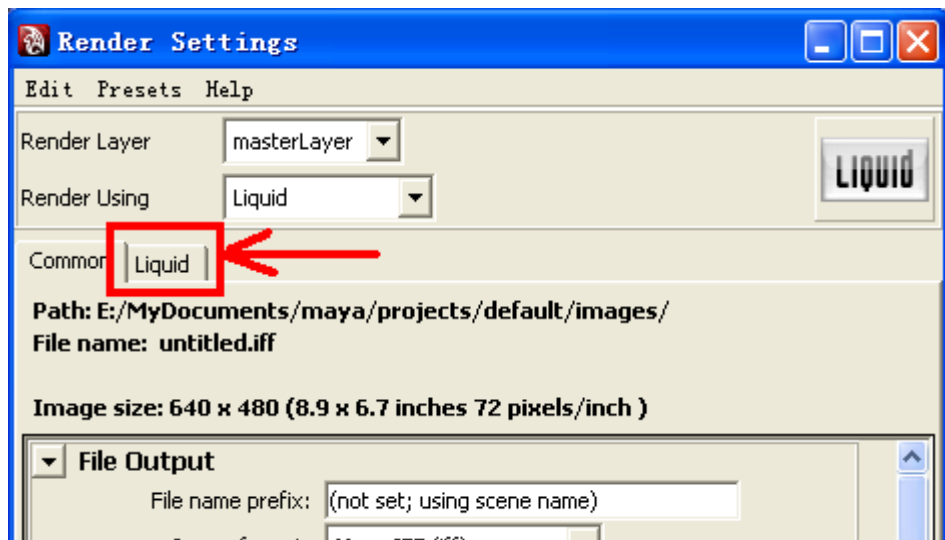
1)



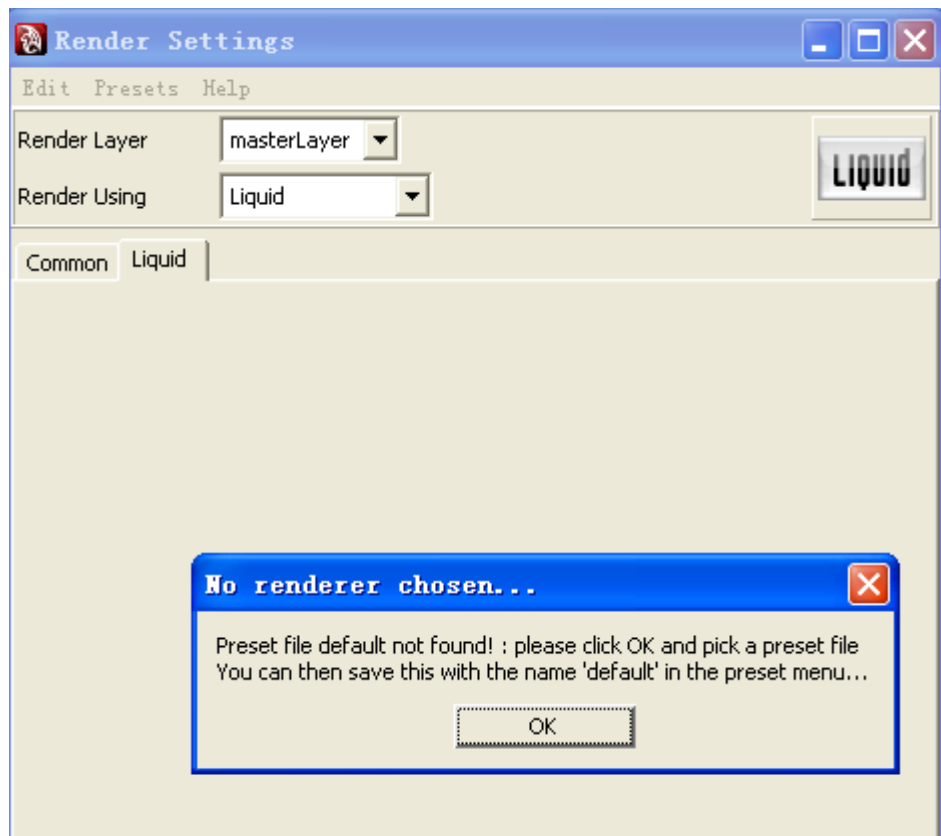
2)



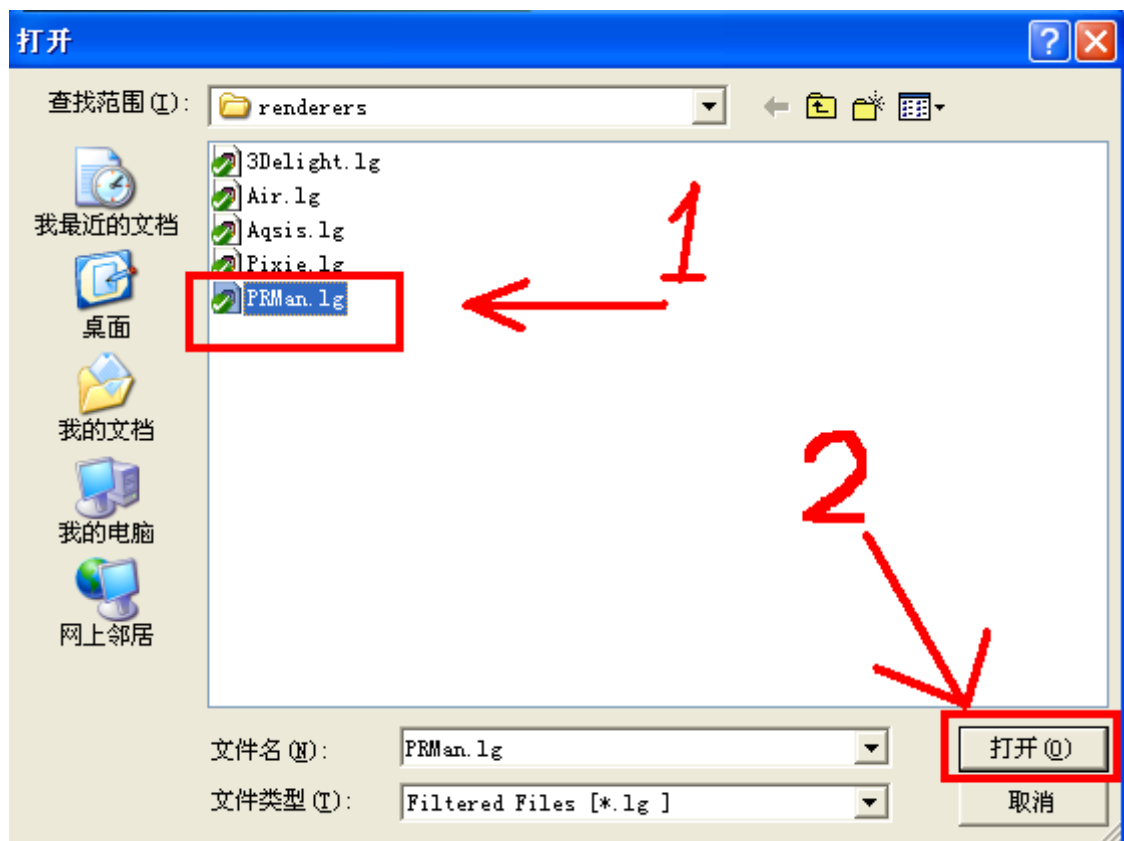
3)



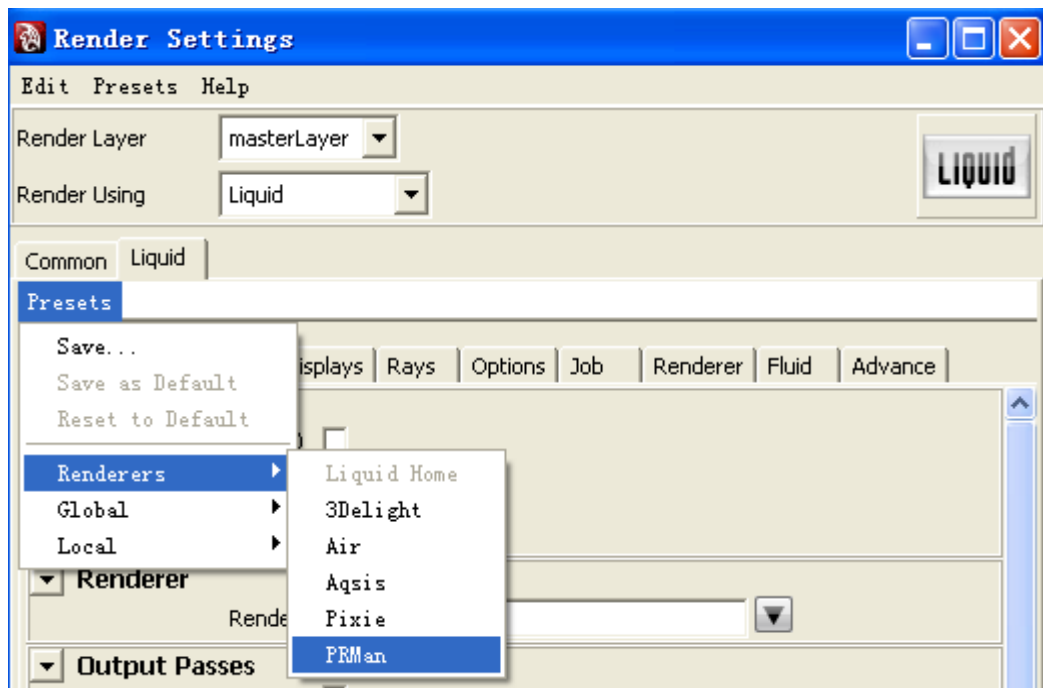
4)



5)



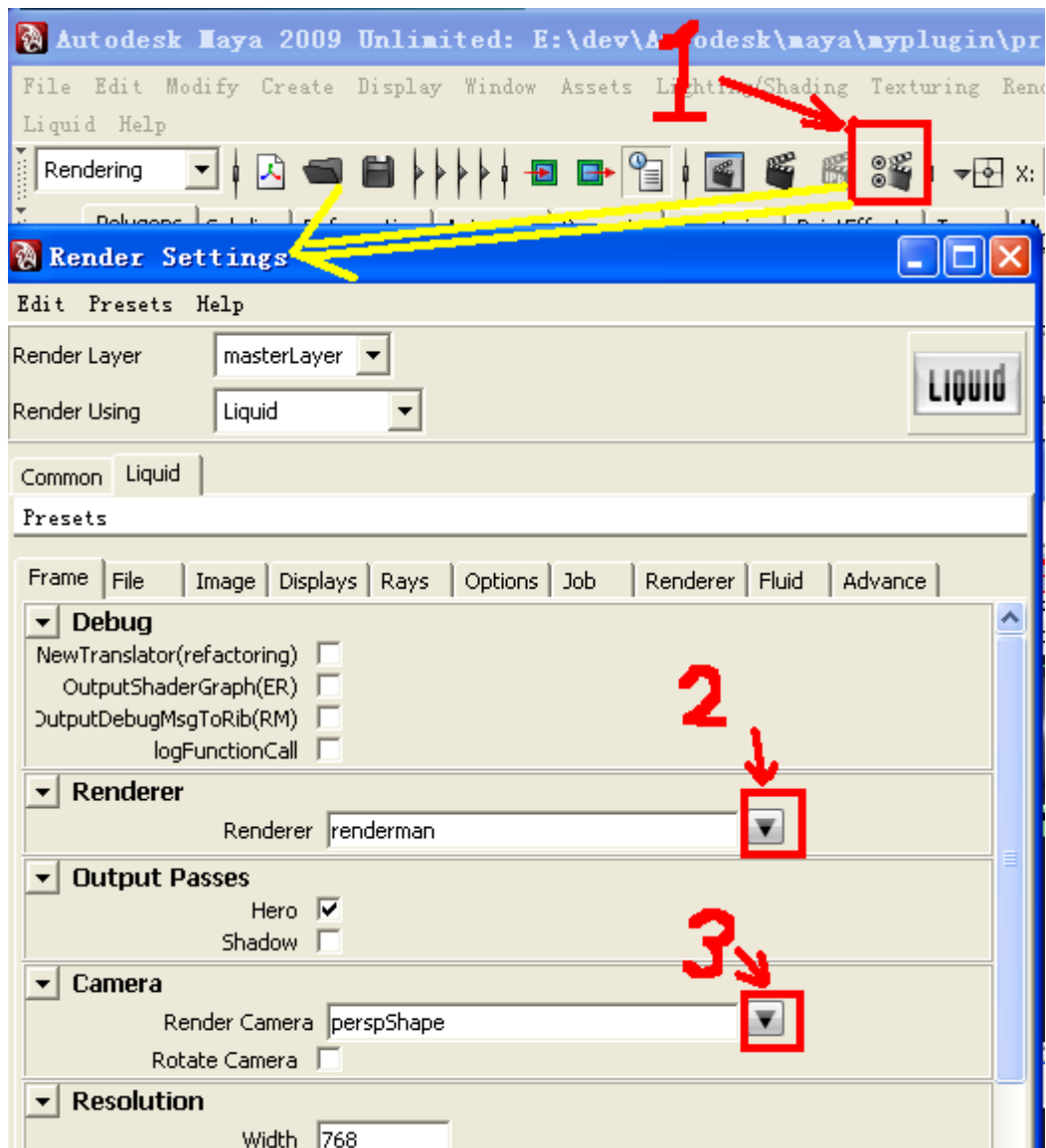
(you can select *.lg in this way:



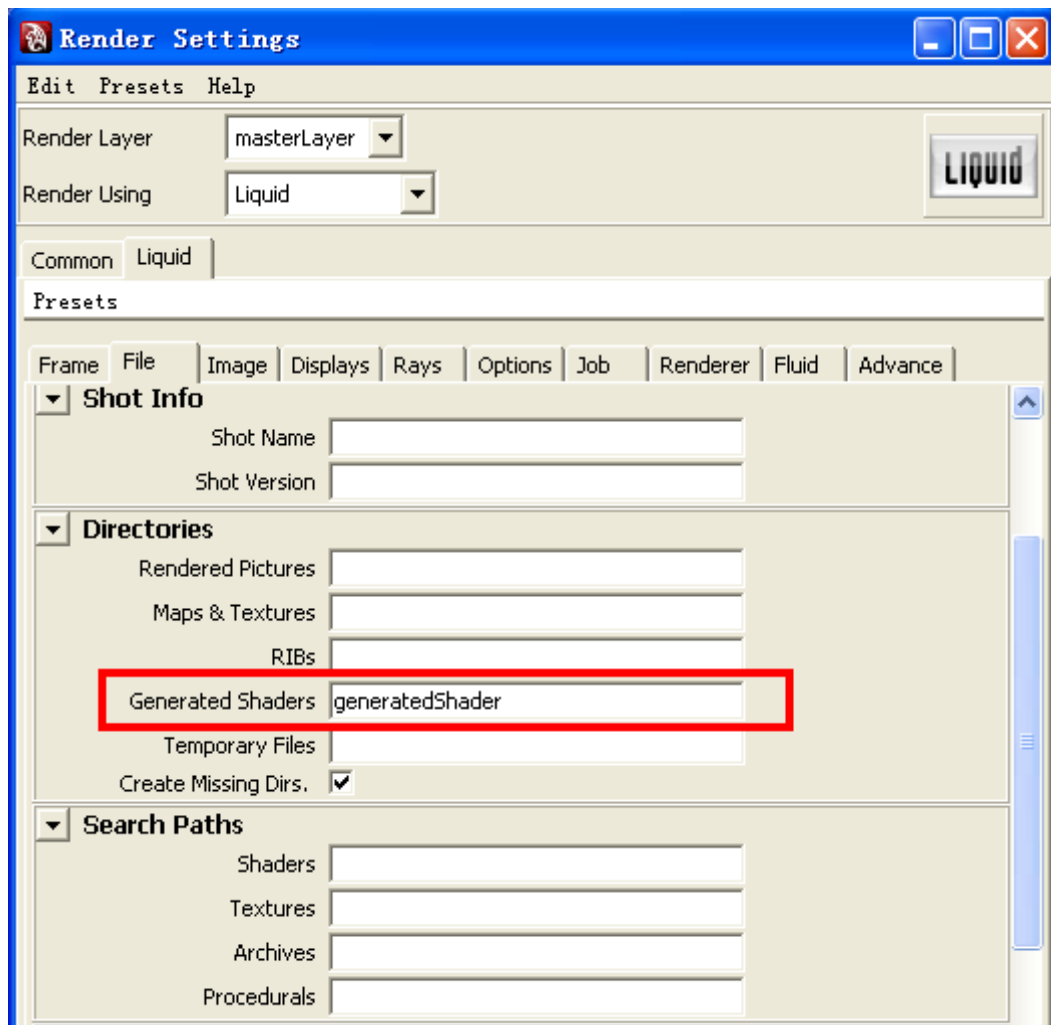
)

6) select "Renderer" and "Camera" in "Render Settings"

"Renderer" MUST be setted to "renderman" in liquidMaya,(in maya2renderer, you can set the "Renderer" to another renderer, e.g. elvishray)

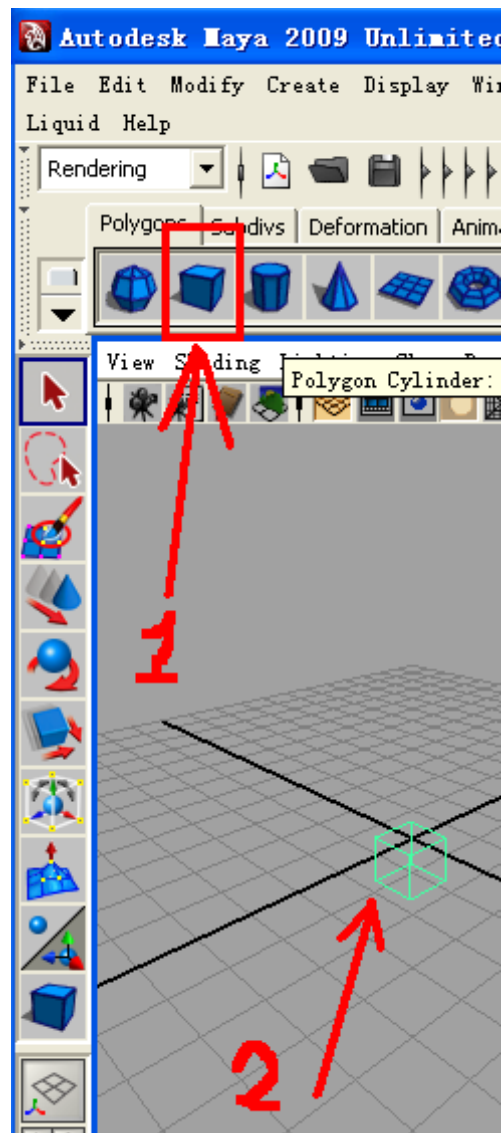


7)set GeneratedShaders directory

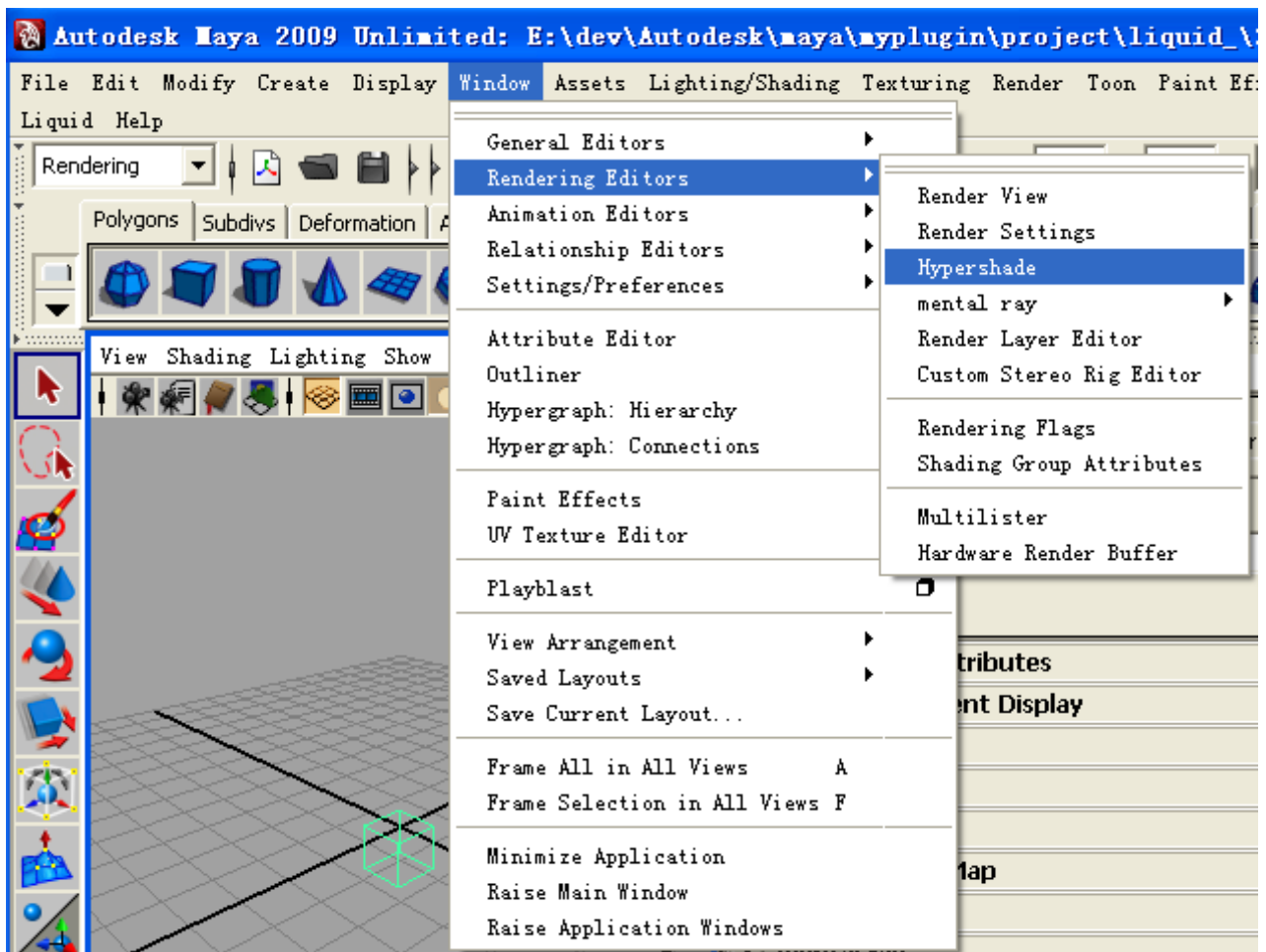


Create the scene

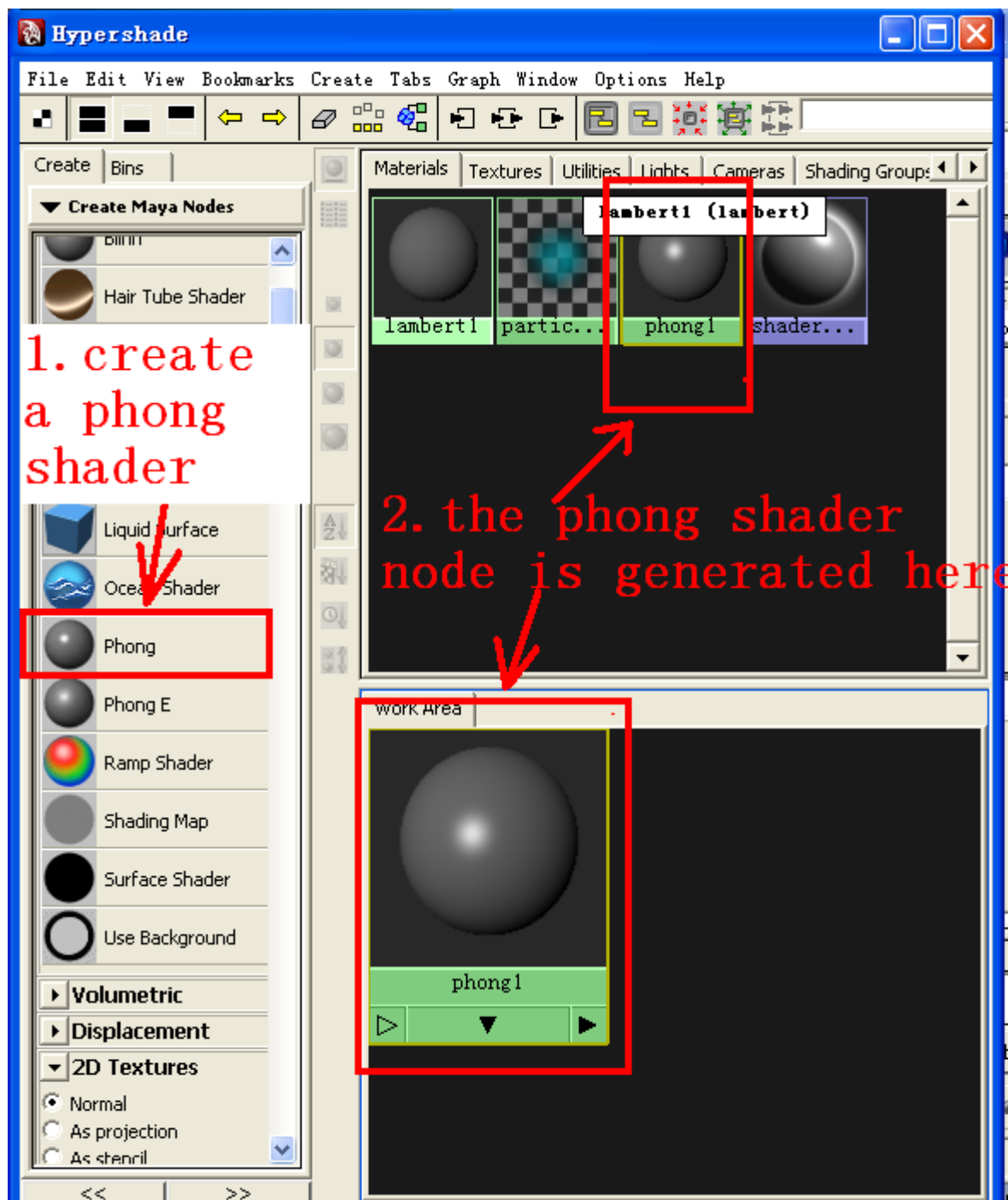
1.create a box



3. assigned a material to this box

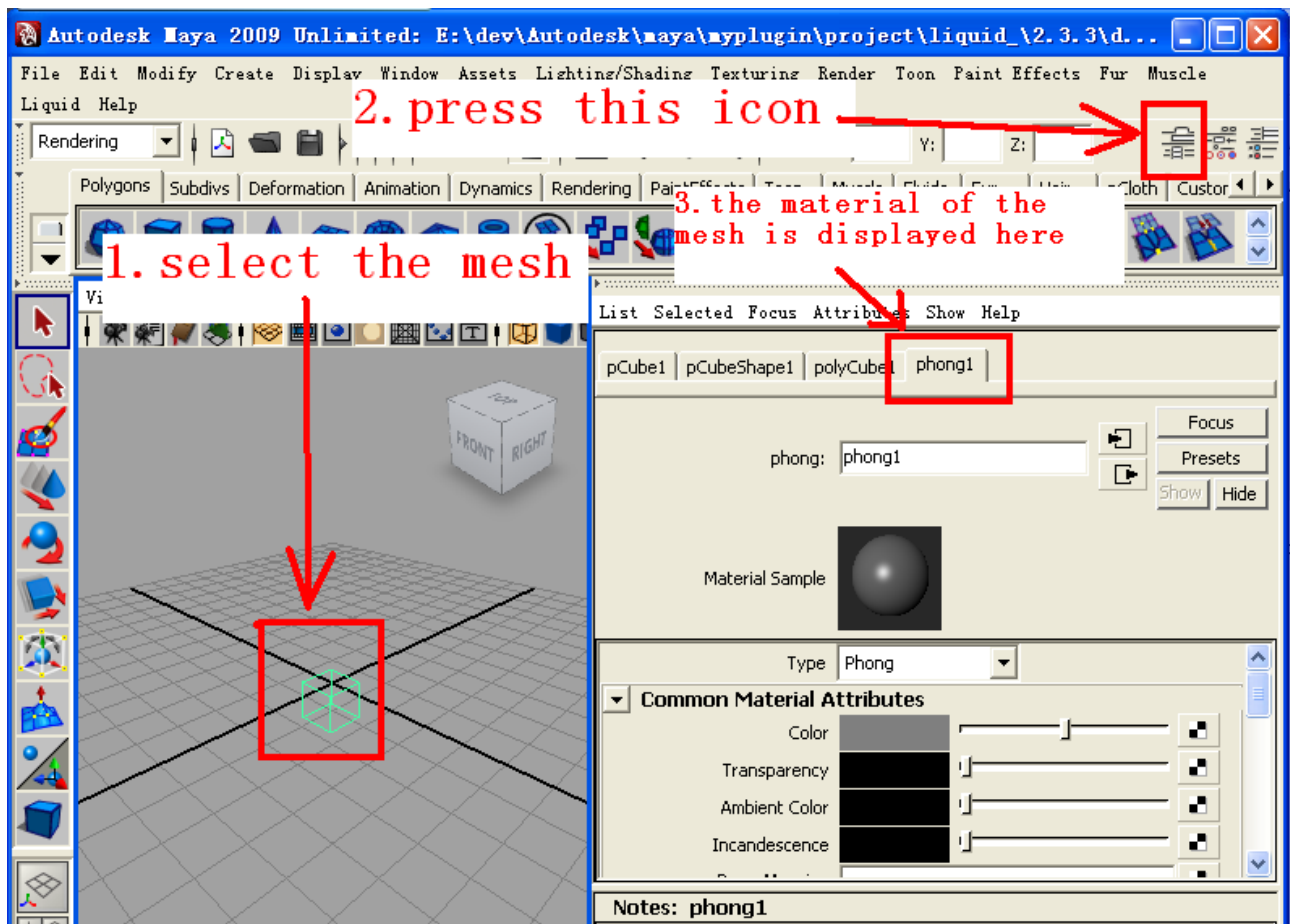


4. let's create a phong shader



5. select the mesh, then press(not click) the right mouse button on the phong1 node, and select "Assign Material To Selectedion."

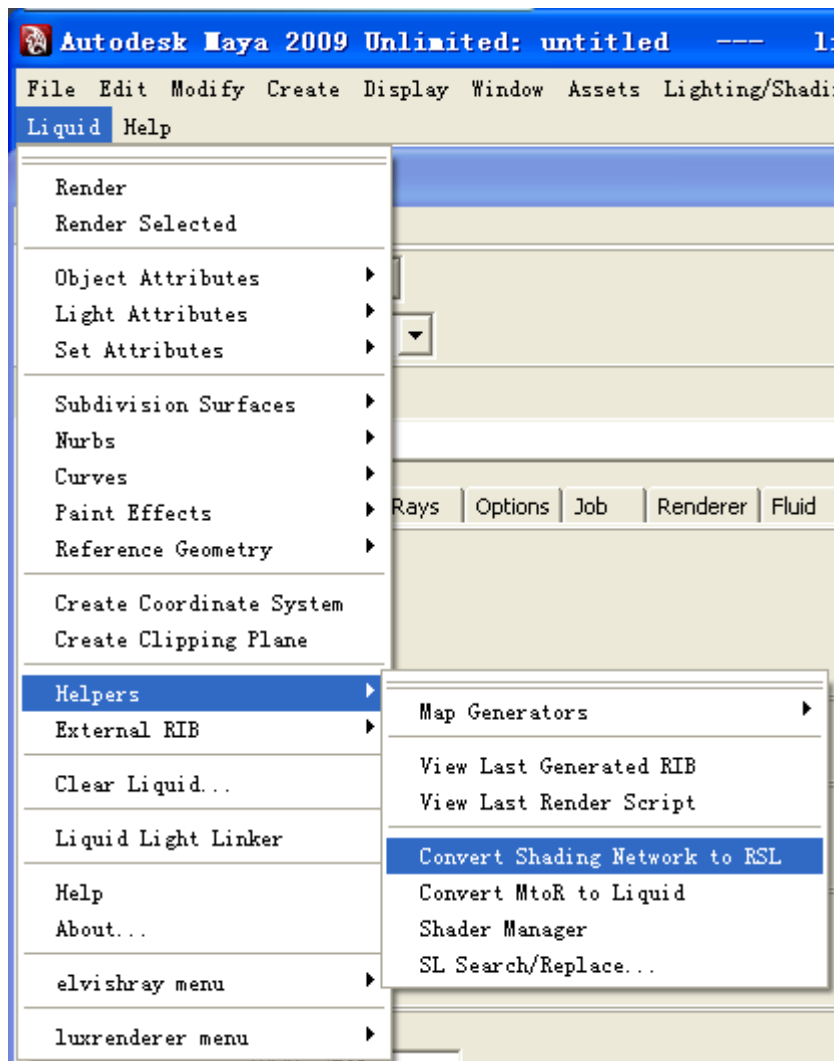
6. you can see the phong1 is assigned to the mesh.



export the material of the mesh

In liquidMaya you MUST export the material of the mesh before you render that mesh. This is the steps:

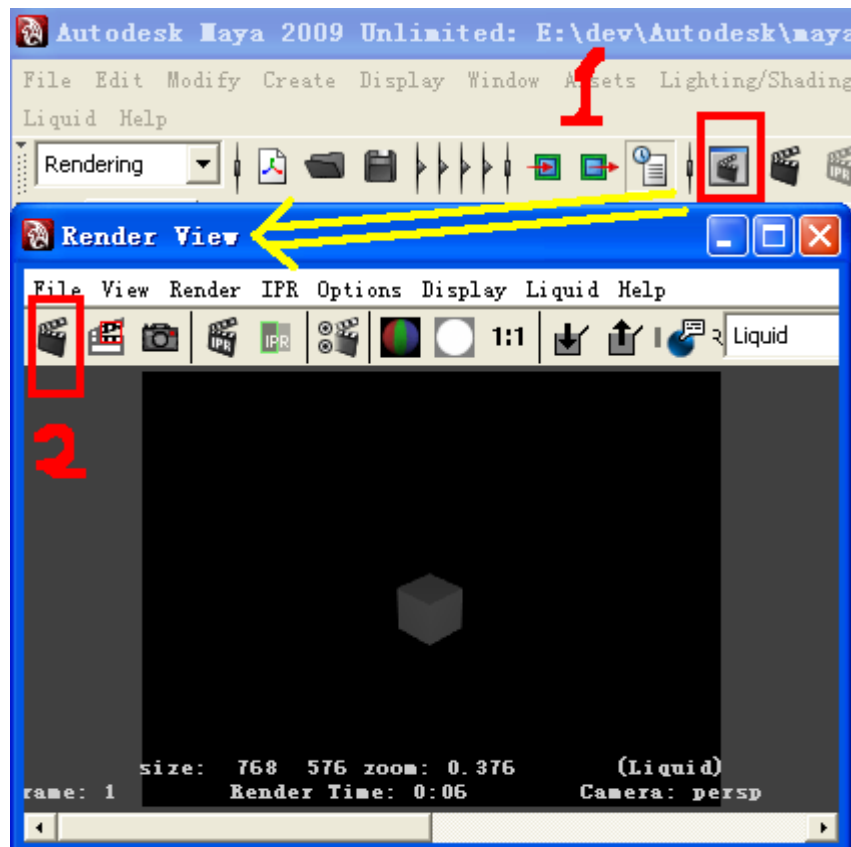
- make sure "GeneratedShaders" directory is set.
- select the mesh which you want to render
- Menu --> liquid --> Helpers --> Convert shading network to RSL:



phong1.sl and phong1.slo will be generated at
E:\MyDocuments\maya\projects\default\generatedShader\

Render

Press the "RenderView" button, and press "Render" button:

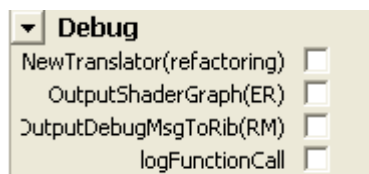


The rib file will be generated at E:\MyDocuments\maya\projects\default\rib, (e.g. E:\MyDocuments\maya\projects\default\rib_perspShape.0001.rib)

-RenderSettings of maya2renderer

Demo scene is (\$liquid_root)/2.3.3/doc/HowToUseMaya2Renderer.ma

-Debug



- NewTranslator(refactoring)

This is a new feature of maya2renderer.

I'm refactoring liquidMaya, and put the new export process into liqRibTranslator::_doItNew();

The original export process is put into liqRibTranslator::_doIt();

If NewTranslator(refactoring) is checked, liqRibTranslator::_doItNew() is executed, otherwise liqRibTranslator::_doIt() is executed.

If you set NewTranslator(refactoring) to true, you are using maya2renderer,

If you set NewTranslator(refactoring) to false, you are using liquidMaya,

- OutputShaderGraph(ER)

This is a new feature of maya2renderer.

In liquidMaya you MUST export the material of the mesh before you render that mesh.

In maya2Renderer, if you set OutputShaderGraph(ER) to true, you don't have to convert the material manually. The materials will be converted automatically.

- OutputDebugMsgToRib(RM)

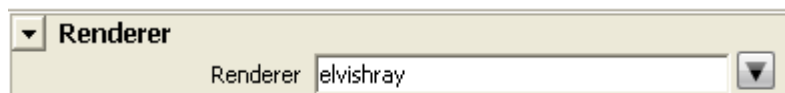
This is a new feature of maya2renderer. `_liqRIBMsg(const char* msg)` will output the msg to rib file.

- logFunctionCall

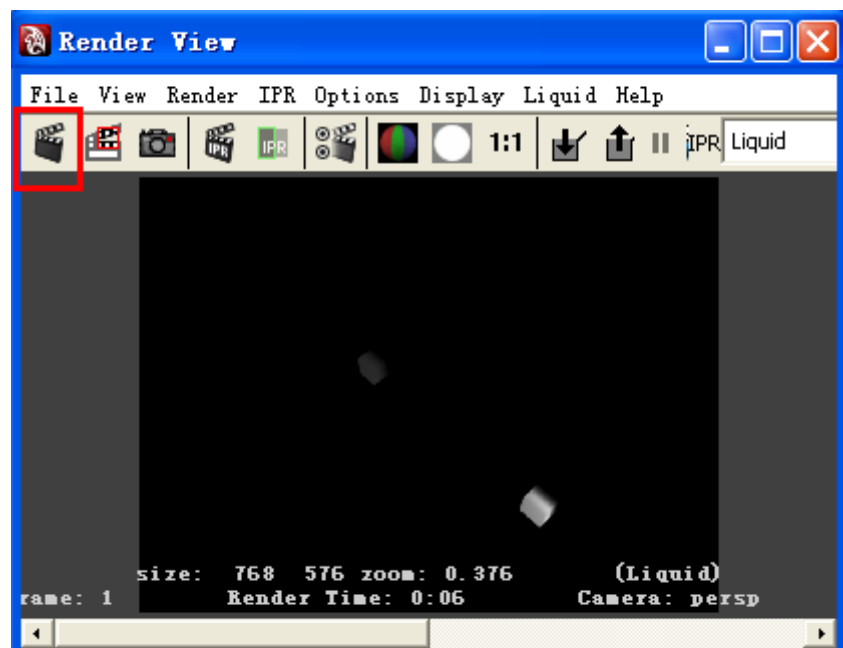
This is a new feature of maya2renderer. `_logFunctionCall(const char* msg)` will output the msg. It is useful to trace the call stack in batchrender mode.

-Renderer

You can select other renderers in maya2renderer, e.g. elvisray.



Render



It will generate *.erapi at E:\MyDocuments\maya\projects\default\generatedShader\.

