

When you create shaders you need to show them off somehow. The way to do that is to render high resolution stills.

There are two differences between rendering a turntable movie and rendering a high-resolution still. The first is that when you make a still, you only render one frame (instead of 60). The second is that when rendering a still the resolution you render at is higher than the 320x240 default set for the turntable. Here are the steps to follow to make a still.

- Just like with turntables, start with the **whiteLight.lws** scene. Make sure you have your object loaded, scaled appropriately, and a child of the rotation center object.
- Go to camera selection mode (capital **C**).
- Open the camera properties panel by hitting **p**.
- You will see entry fields for **Resolution**, **Resolution Multiplier**, **width**, and **height** at the top of the properties box. These redundantly control the spatial resolution of the render.
- I recommend using the resolution multiplier to set the resolution so that the **aspect ratio** of your scene doesn't change (and therefore you don't have to re-frame the object being rendered). The resolution multiplier defaults to 50% in the **whiteLights.lws** scene file. If you look closely, you'll see that the actual resolution is VGA (640x480).
- Use a resolution multiplier of 200% to make an image that is 1280x960.
- Use the slider at the bottom or the arrow keys to go to a frame that you like, then hit **F9** to render the frame. It will take a while since it is so big!
- Look at your high-res render. The material you created will probably not look right the first time around. Luckily, the surface editor can be accessed in Lightwave as well as in Modeler!
- Open the surface editor and make the changes you would like to make. **Because the surface settings are saved with the object, be sure to EXPLICITLY save the object if you want the surface to be saved with it!** Saving the scene doesn't save the materials.
- Rendering a 1280x960 frame can take a while when **antialiasing** is active. So before you render frame after frame to refine your material, go to the camera properties panel again and set antialiasing to **NONE**.
- Render and tweak until your surface looks right.
- Re-open the camera properties panel and turn **antialiasing** back to **LOW**.
- Render again.
- Now that the frame looks right, you can save it by going to the **File** menu on the image viewer. There is a **save as** option that should list a number of supported file formats. If you don't see this list, reload all the plugins and try rendering again.
- Save your file using the format **LW\_Tiff24**. Use the file extension **.tiff** to identify it as a Tiff file.
- Make sure your images are named accordingly, then copy them to e-work.

### **SNOW DAY UPDATE:**

For Tuesday, in addition to creating three different materials (and handing in stills), read LW 9.1-9.12, O'Rourke 112-119, and Foley 741-744.