#### ncca RenderFarm Tool

Maya: Arnold

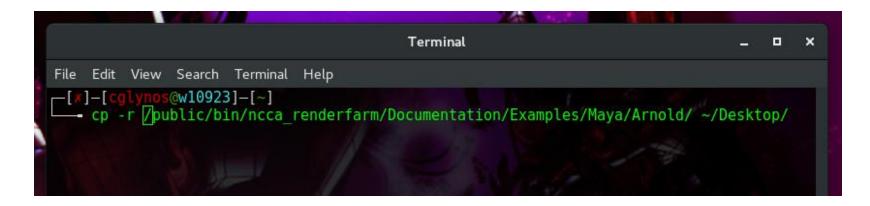
Constantinos Glynos Michail Agoulas



#### Copy the example scene

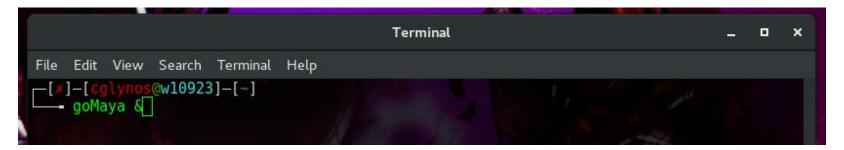
run the copy (cp) command with the recursive flag (-r)

cp -r /public/bin/ncca\_renderfarm/Documentation/Examples/Maya/Arnold/~/Desktop



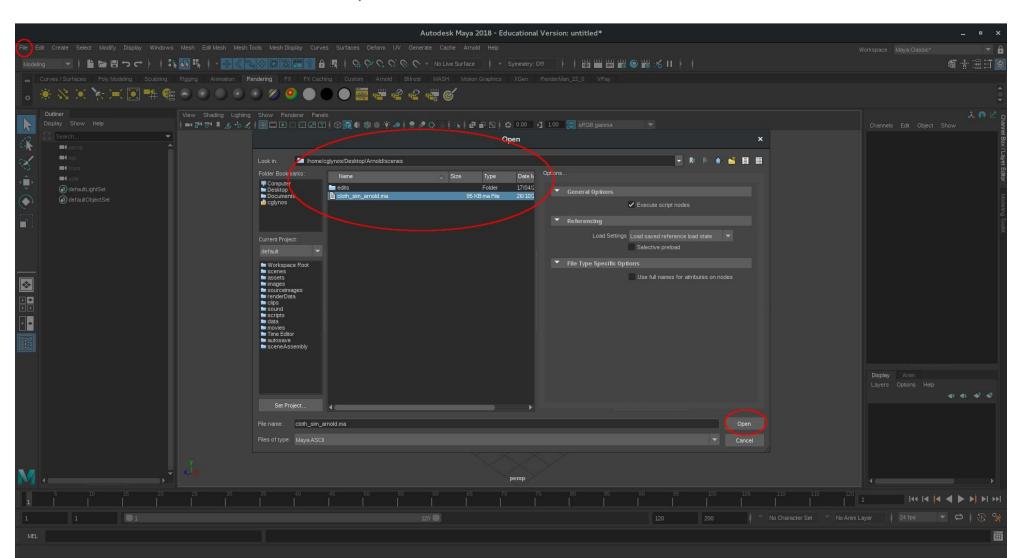
#### Open Maya

goMaya &



#### Open the example scene

File -> Open -> cloth\_sim\_arnold.ma



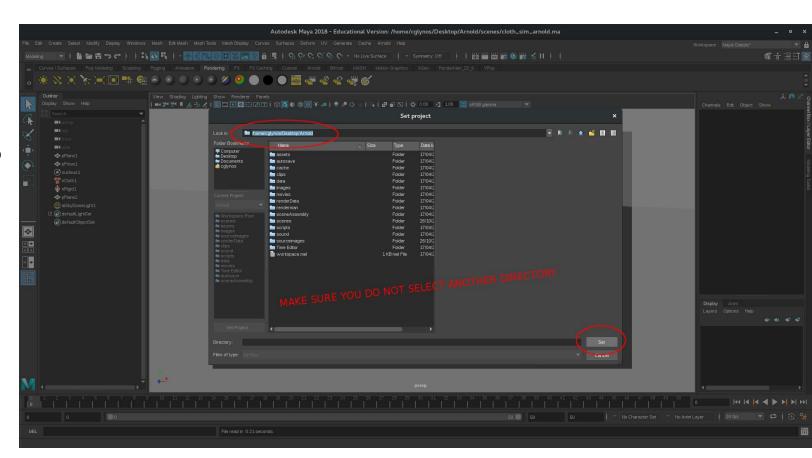
# Set project directory

File -> Set Project...

Select the directory which is parent to all the project data files and folders.

Make sure you do not select another directory inside the parent directory

Click Set



#### Update the textures

Select the pPlane1 mesh

Go to the Attribute Editor -> aiStandard2

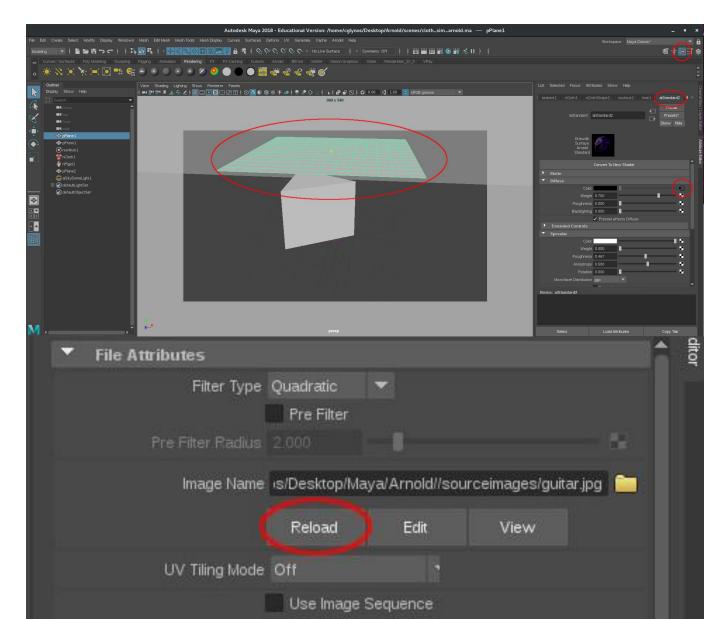
Click on the Diffuse colour option box

Under the Image Name text box, click on Reload.

After hitting Reload, that long path should now say:

sourceimages/guitar.jpg

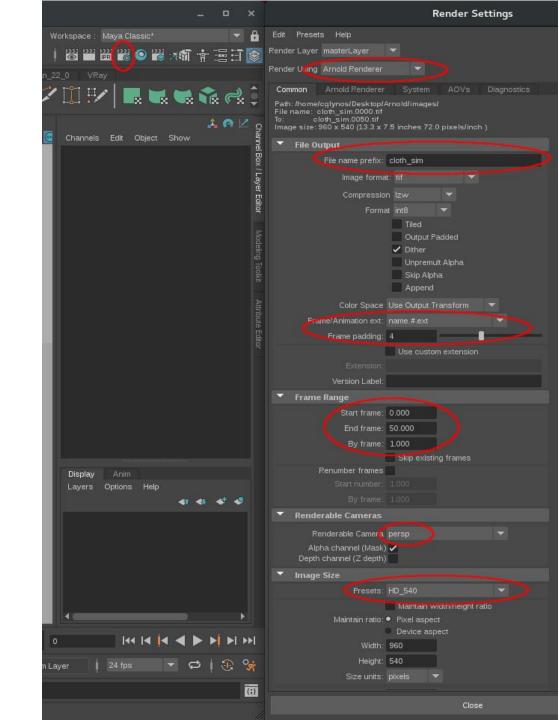
Do the same for the rest of the objects if they have any textures



# Check the render settings

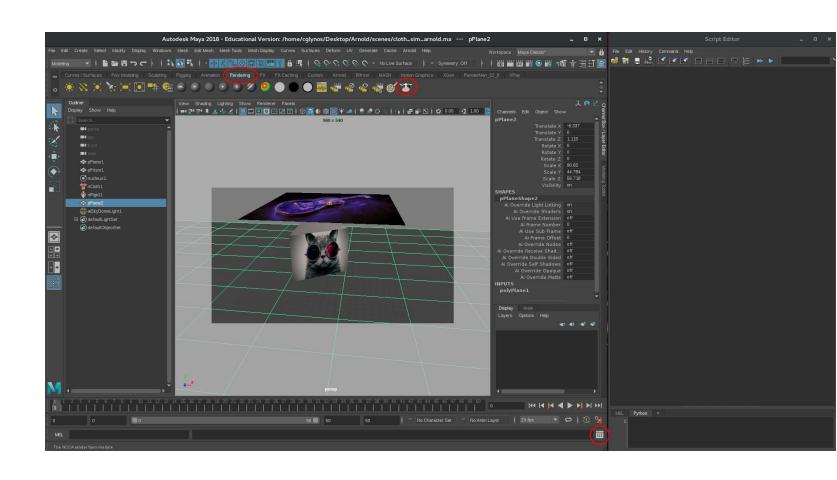
Check that your render settings are correct:

- Select the Arnold renderer
- Make sure you have a name for the output renders
- Check the format and frame padding
- Make sure your animation frames are correct
- Select the camera to render from
- Set the correct resolution



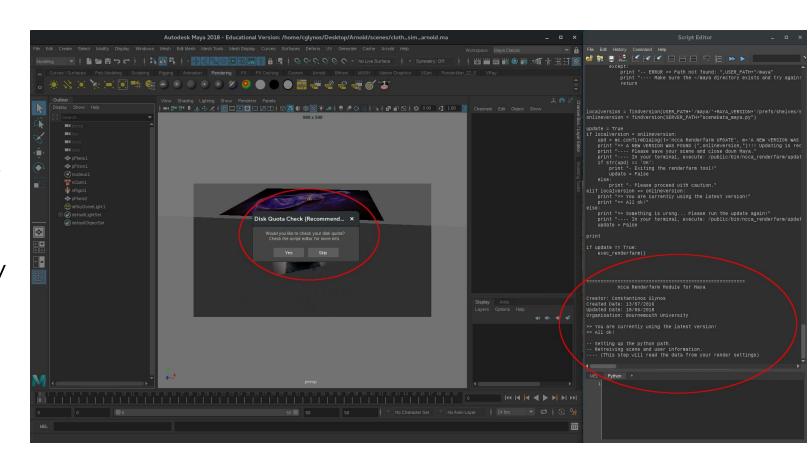
#### Let's render

- Press Ctrl + S to save the scene
- Open the Script Editor for debugging information
- Go to the rendering shelf
- Hit the cow!

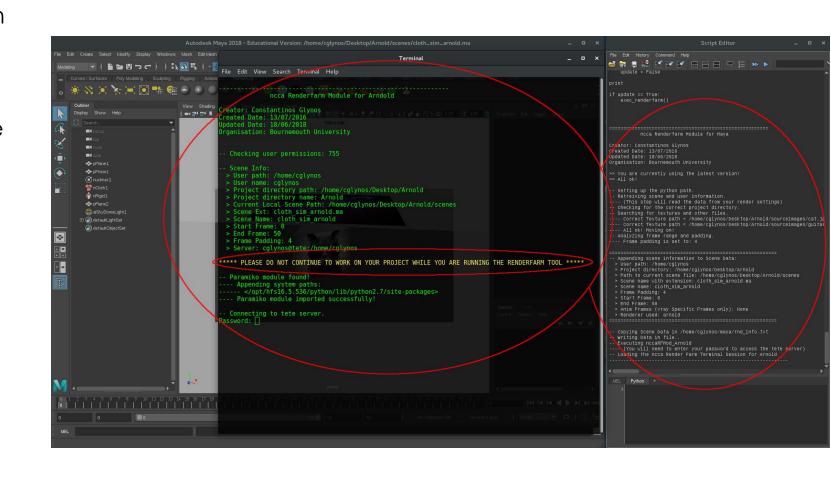


 Check your local disk space (quota), or skip if not needed.

 Check the script editor for any warnings about the version of the tool you are using.

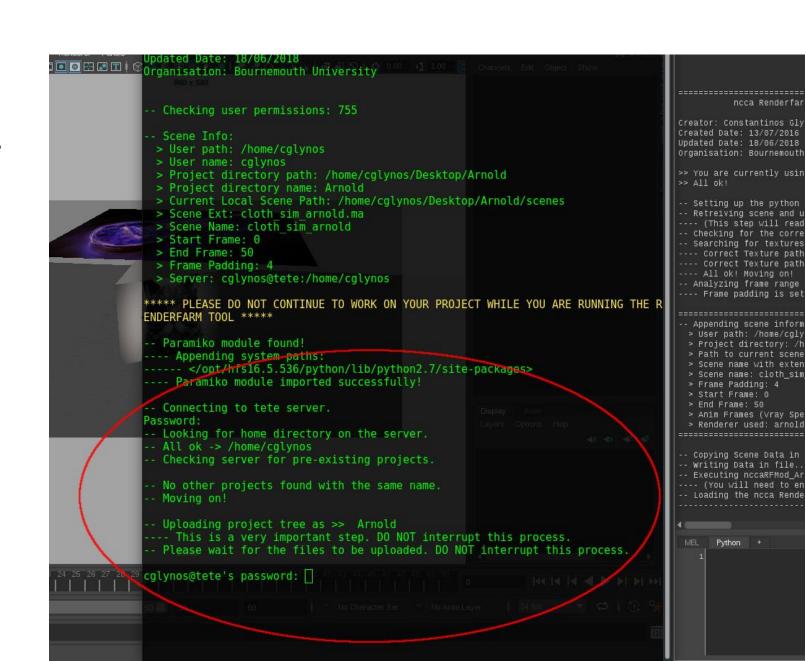


- A new terminal will appear which links to the renderfarm.
- Check the data passed on to the renderfarm by reading the script editor and the terminal. If not correct, just close the terminal to cancel the process.
- DO NOT USE MAYA OR CONTINUE TO WORK ON YOUR SCENE WHILE YOU SUBMIT A JOB TO THE RENDERFARM.
- Enter your password to continue.



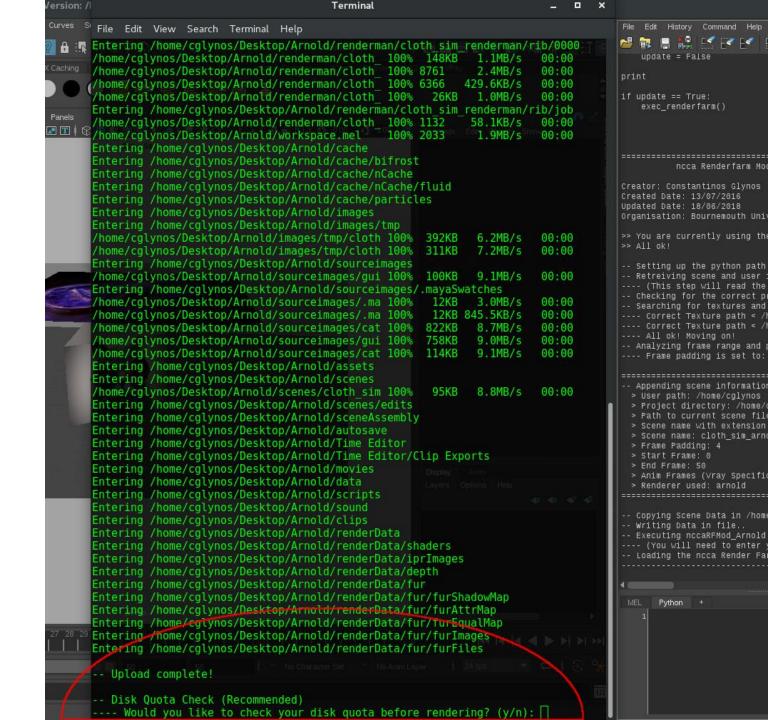
 The tool will check if you have any existing directories with the same name on the server and prompt for action (replace or rename).

 Enter your password again to upload your project directory onto the tete server.



 Once the files are uploaded, the tool will prompt for a quota check on the server.

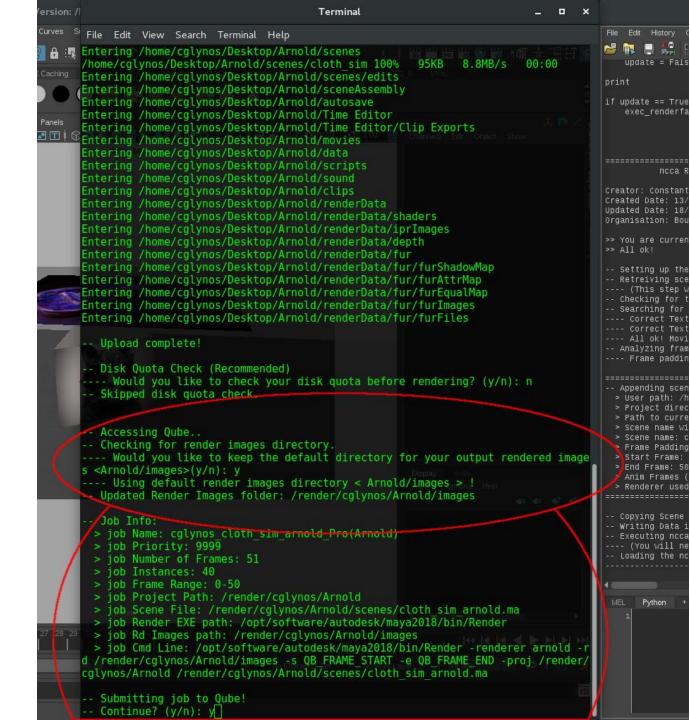
- If you do not have enough disk space (quota) available on the server, your renders will not be saved anywhere.
- Skip online quota check <u>iff</u> you are sure you have enough space available.



Set your output renders
 directory if you don't want to
 use the default one.

 Check the Job info data before submitting the job to Qube.

Type y and Enter to continue.



- Wrangle your renders from the terminal.
- At this point you can safely close the terminal and wrangle your renders from Qube. But it's advised that you leave the terminal open.
- Now we wait for it to finish.
- You can now continue to work on your scene.

```
Terminal
     File Edit View Search Terminal Help
                                                                                         № (1)
A : d /render/cglynos/Arnold/images -s QB FRAME START -e QB FRAME END -proj /render/
     cglynos/Arnold /render/cglynos/Arnold/scenes/cloth sim arnold.ma
       Submitting job to Qube!
                                                                                         if upda
       Wrangling the latest job in Qube!
         id( 26833 ) : name( cglynos cloth sim arnold Pro(Arnold)
          -worker< 01 > --> pending
                                        -instance< 00 > --> running
           worker< 02 > --> pending
                                        -instance< 01 > --> running
                                       -instance< 02 > --> running
          -worker< 03 > pending
                                                                                          organis
          -worker< 04 > --> pending
                                        -instance< 03 > --> running
          -worker< 05 > --> pending
                                        -instance< 04 > --> pending
                                                                                          >> All
          -worker< 06 > --> pending
                                        -instance< 05 > --> pending
          -worker< 07 > --> pending
                                        -instance< 06 > --> pending
          worker< 08 > --> pending
                                        -instance< 07 > --> pending
          -worker< 09 > --> pending
                                        -instance< 08 > --> pending
          -worker< 10 > --> pending
                                        -instance< 09 > --> pending
          -worker< 11 > --> pending
                                        -instance< 10 > --> pending
                                        -instance< 11 > --> pending
          worker< 12 > --> pending
          -worker< 13 > --> pending
                                        -instance< 12 > --> pending
          worker< 14 > --> pending
                                        -instance< 13 > --> pending
          -worker< 15 > --> pending
                                        -instance< 14 > --> pending
          -worker< 16 > --> pending
                                        -instance< 15 > --> pending
          worker< 17 > --> pending
                                        -instance< 16 > --> pending
          -worker< 18 > --> pending
                                        -instance< 17 > --> pending
          -worker< 19 > --> pending
                                        -instance< 18 > --> pending
          worker< 20 > --> pending
                                        -instance< 19 > --> pending
          -worker< 21 > --> pending
                                        -instance< 20 > --> pending
          -worker< 22 > --> pending
                                        -instance< 21 > --> pending
          -worker< 23 > --> pending
                                        -instance< 22 > --> pending
          -worker< 24 > --> pending
                                        -instance< 23 > --> pending
          -worker< 25 > --> pending
                                        -instance< 24 > --> pending
          -worker< 26 > --> pending
                                        -instance< 25 > --> pending
          worker< 27 > --> pending
                                        -instance< 26 > --> pending
          -worker< 28 > --> pending
                                        -instance< 27 > --> pending
          -worker< 29 > --> pending
                                        -instance< 28 > --> pending
          -worker< 30 > --> pending
                                        -instance< 29 > --> pending
          -worker< 31 > --> pending
                                        -instance< 30 > --> pending
          -worker< 32 > --> pending
                                        -instance< 31 > --> pending
          worker< 33 > --> pending
                                        -instance< 32 > --> pending
          -worker< 34 > --> pending
                                        -instance< 33 > --> pending
          -worker< 35 > --> pending
                                        -instance< 34 > --> pending
          -worker< 36 > --> pending
                                        -instance< 35 > --> pending
          -worker< 37 > --> pending
                                        -instance< 36 > --> pending
          -worker< 38 > --> pending
                                        -instance< 37 > --> pending
          worker< 39 > --> pending
                                        -instance< 38 > --> pending
          -worker< 40 > --> pending
                                        -instance< 39 > --> pending
     ---- final frames( running ) : final instances( running
```

# Finishing off

 Once the renders are complete, the tool will prompt you to open the project directory on the server.

 Type y and Enter so that the tool can open your project directory on the server. Otherwise, type n and Enter.

 You can now close the terminal by pressing Enter again or by using the close button.

