

Nat Ellis

Head of 3D Visualisation





























My first Podium Render ?





PART 1

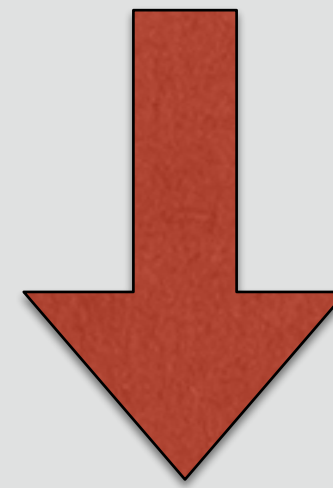
My tips for achieving realistic renders



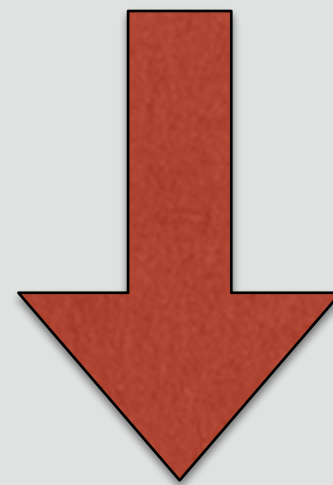




How to get realistic renders?



Look at real life...



Natural Sun Light
Contact Shadows
Soft Corners



Natural Sun Light



Natural Sun Light



Contact Shadows

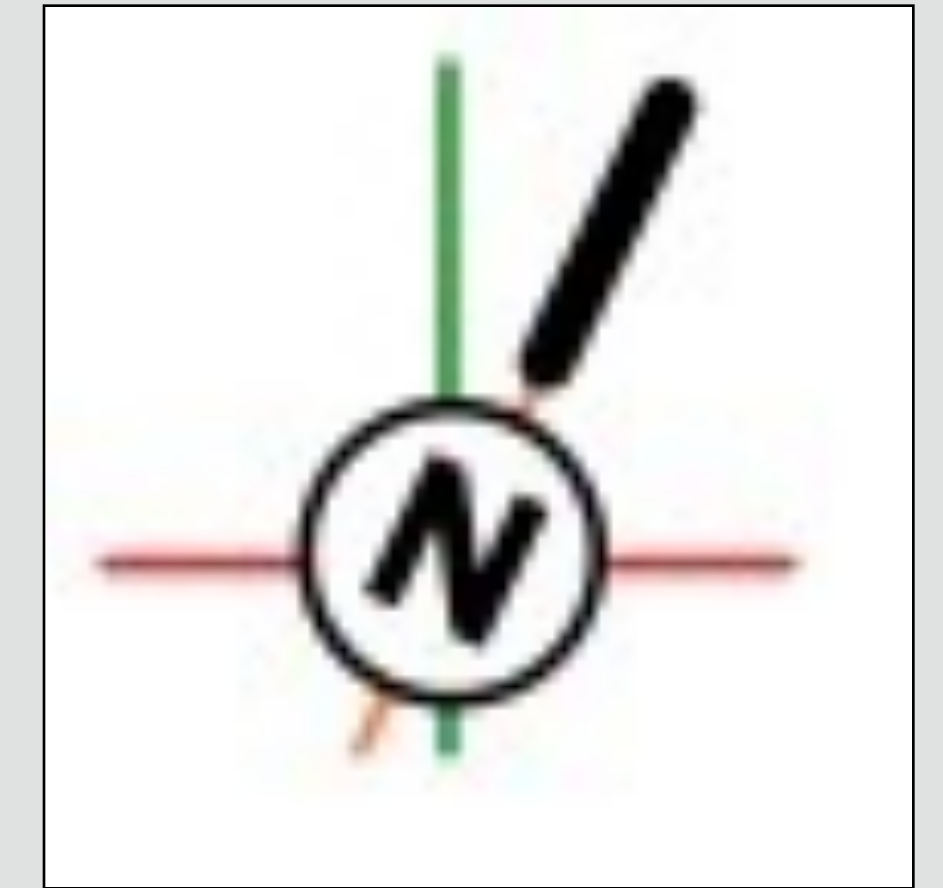
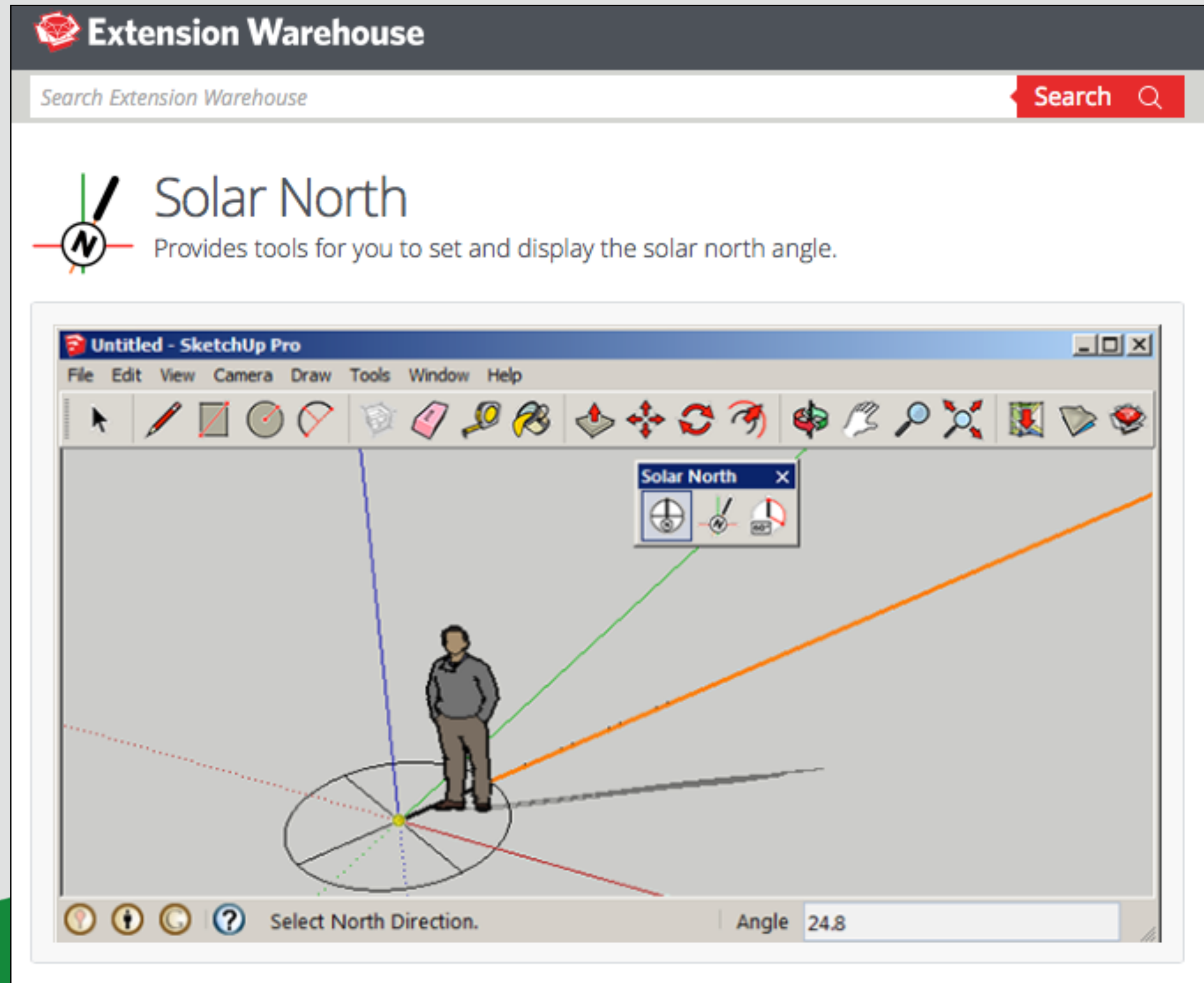


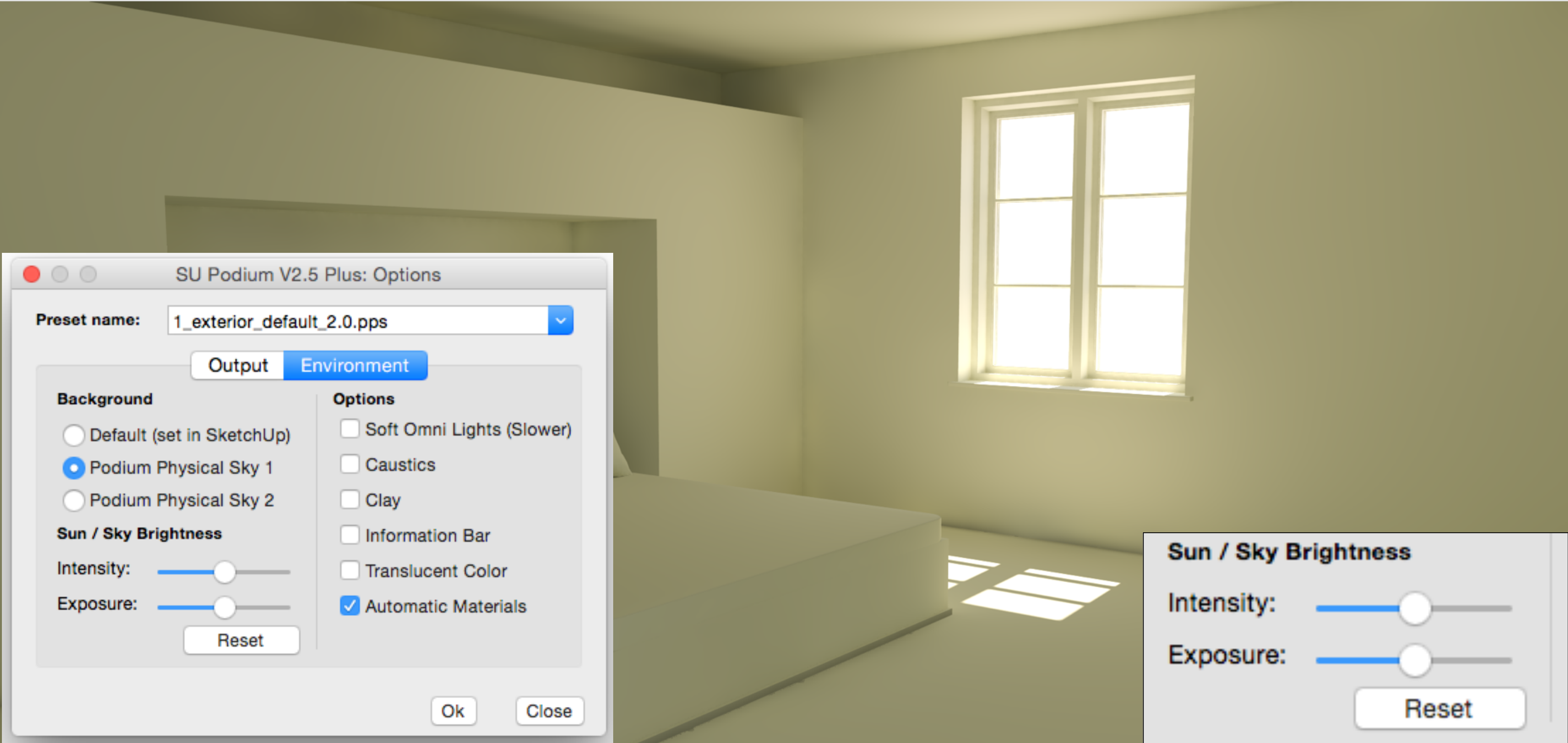
Soft Corners



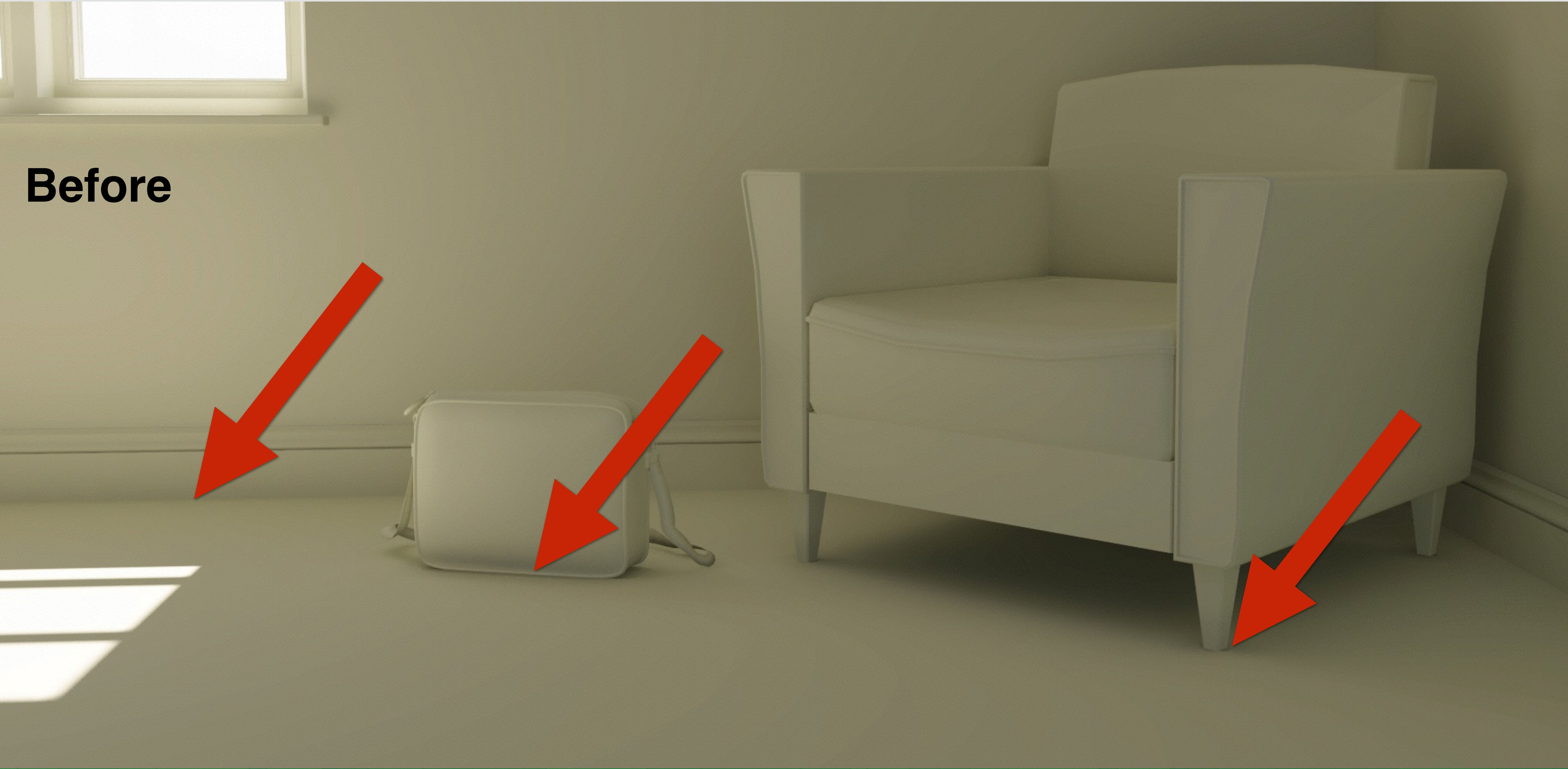
Sun Position

Plugin - Solar North

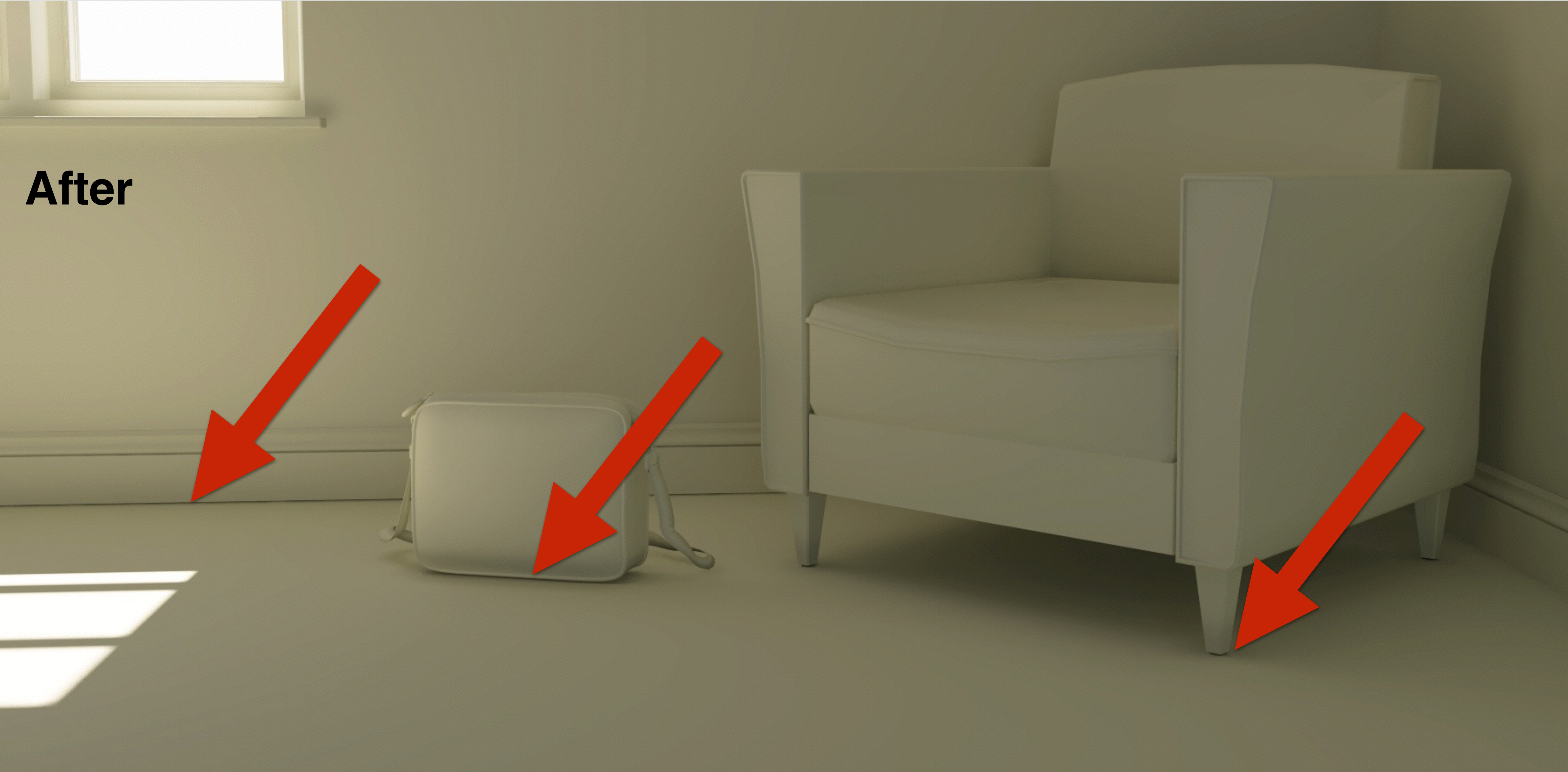




Before



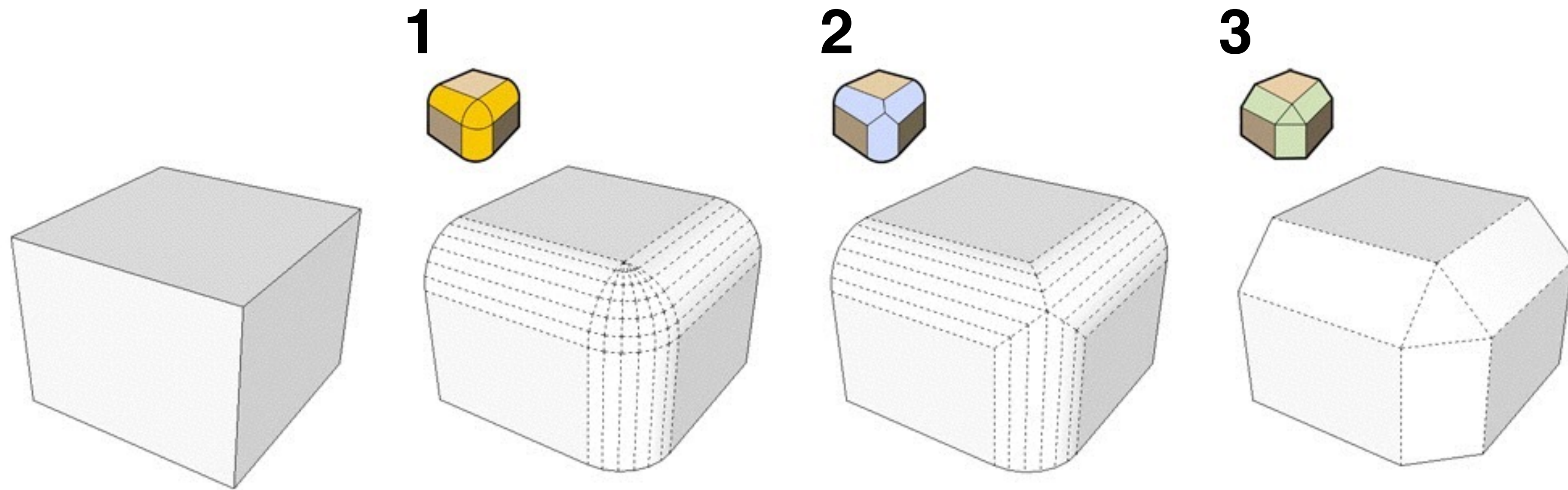
After



Soft Corners

Plugin - Round Corner

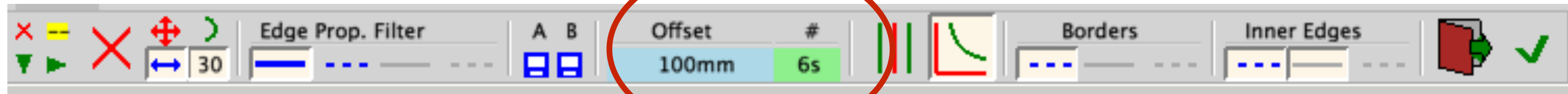
by Fredo6



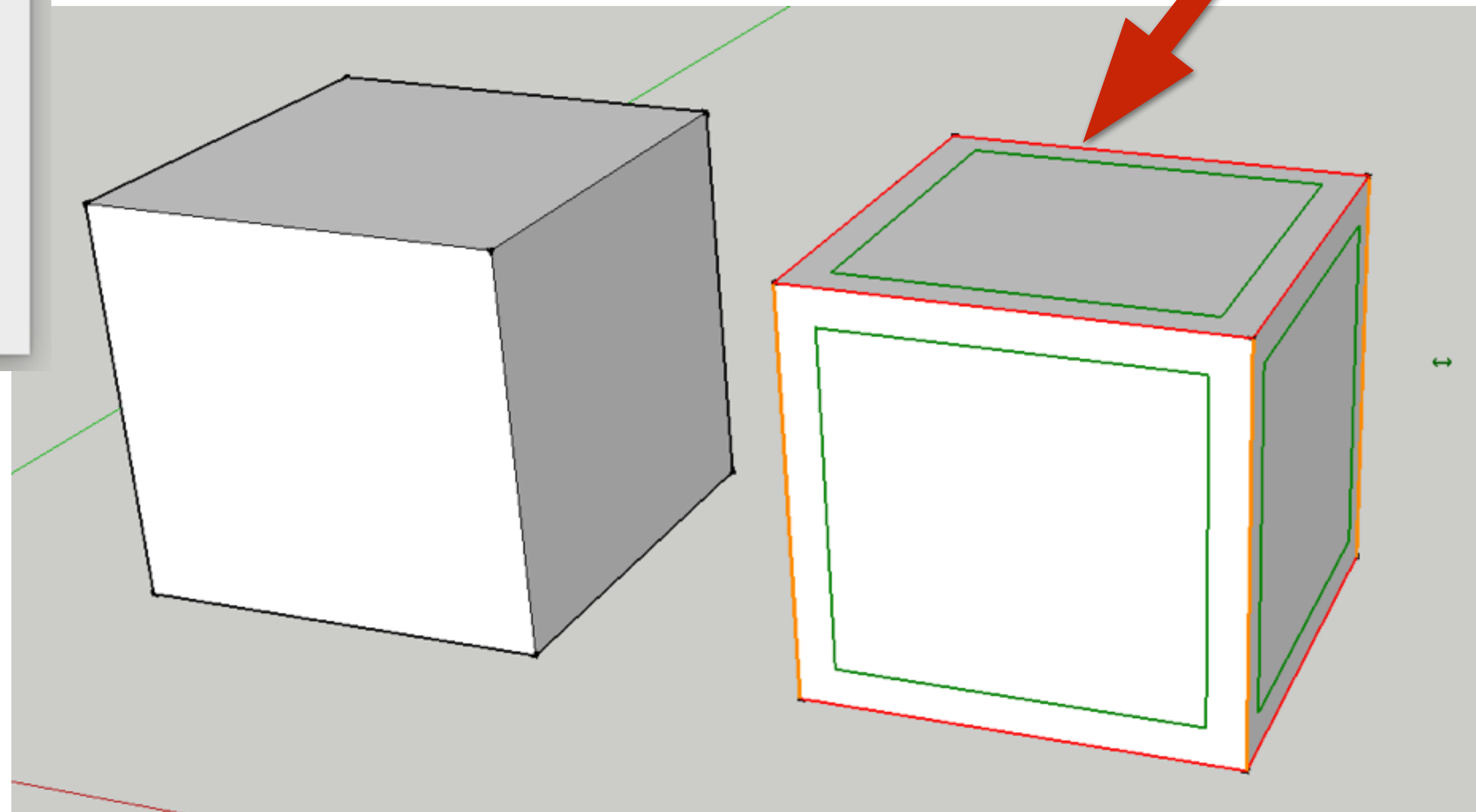
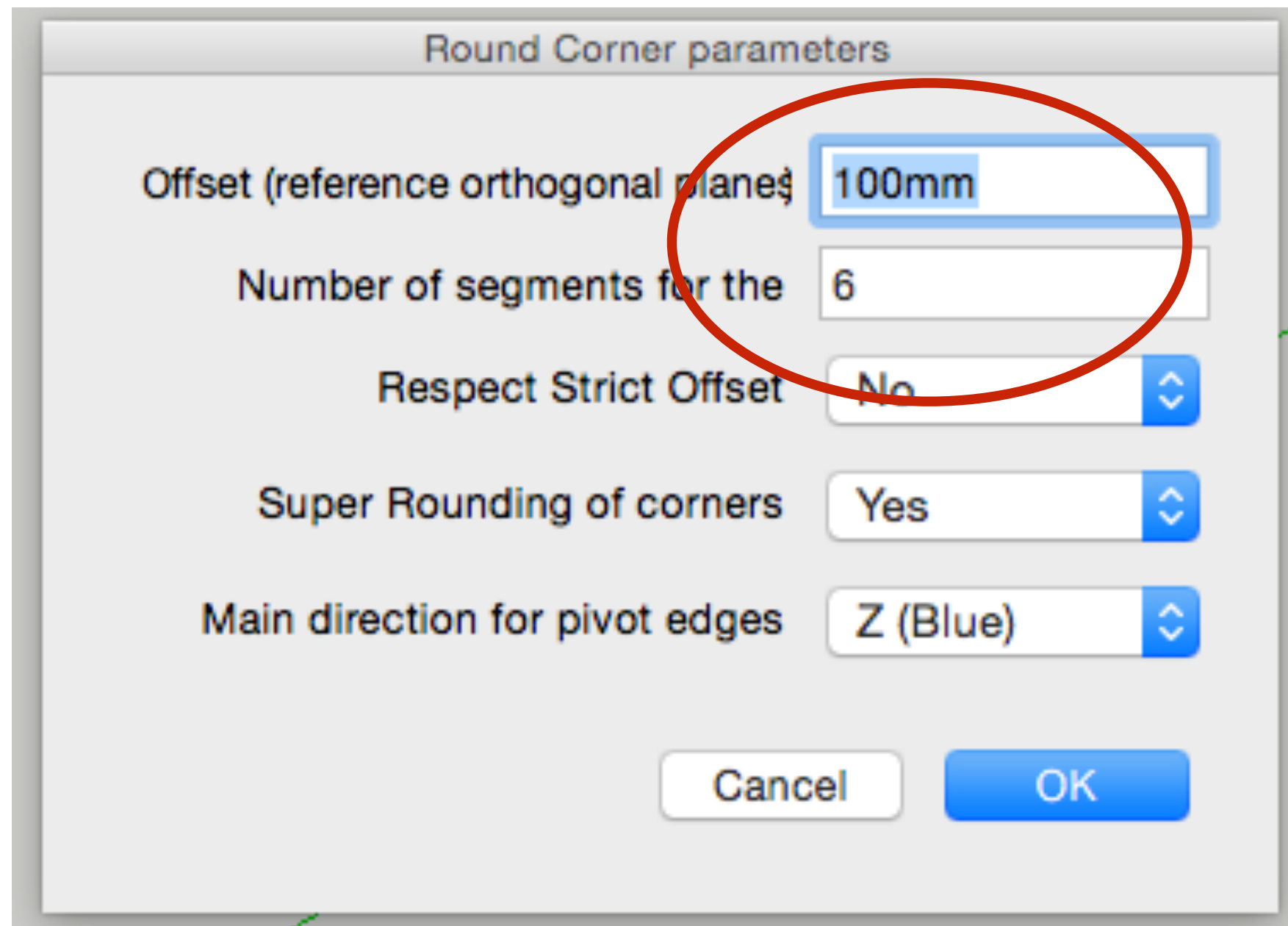
sketchUcation

[www.http://sketchucation.com/pluginstore](http://sketchucation.com/pluginstore)

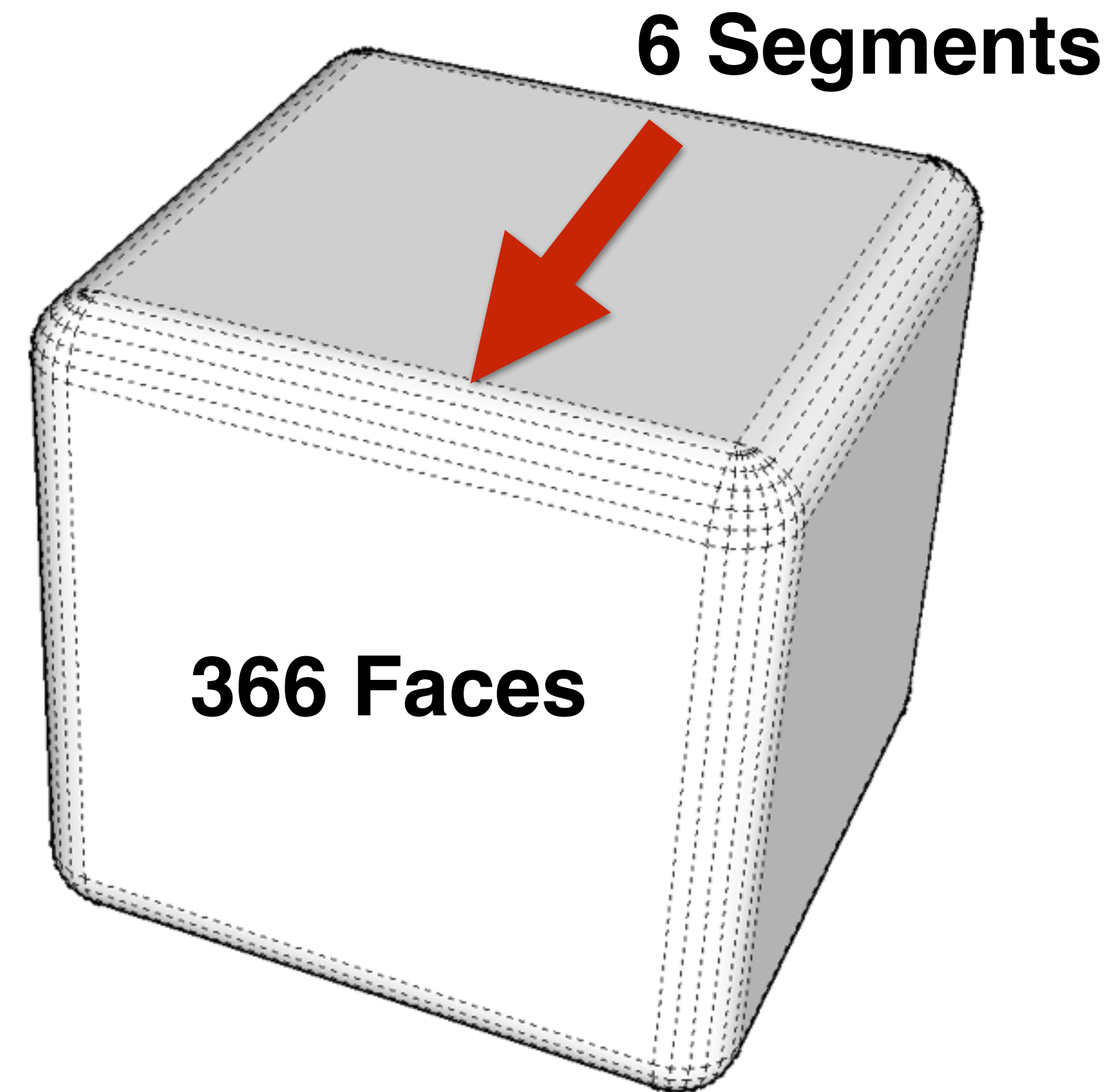
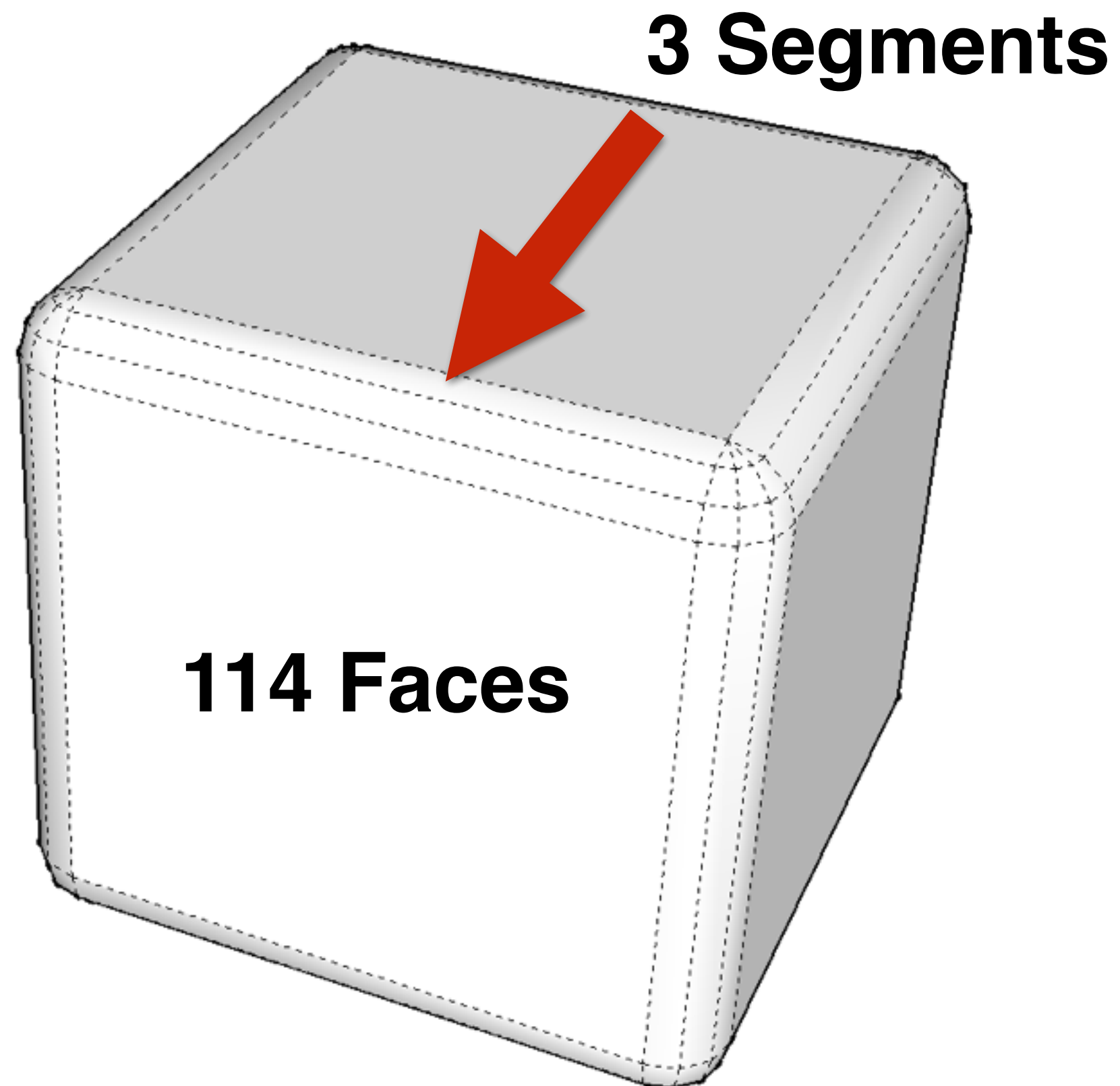
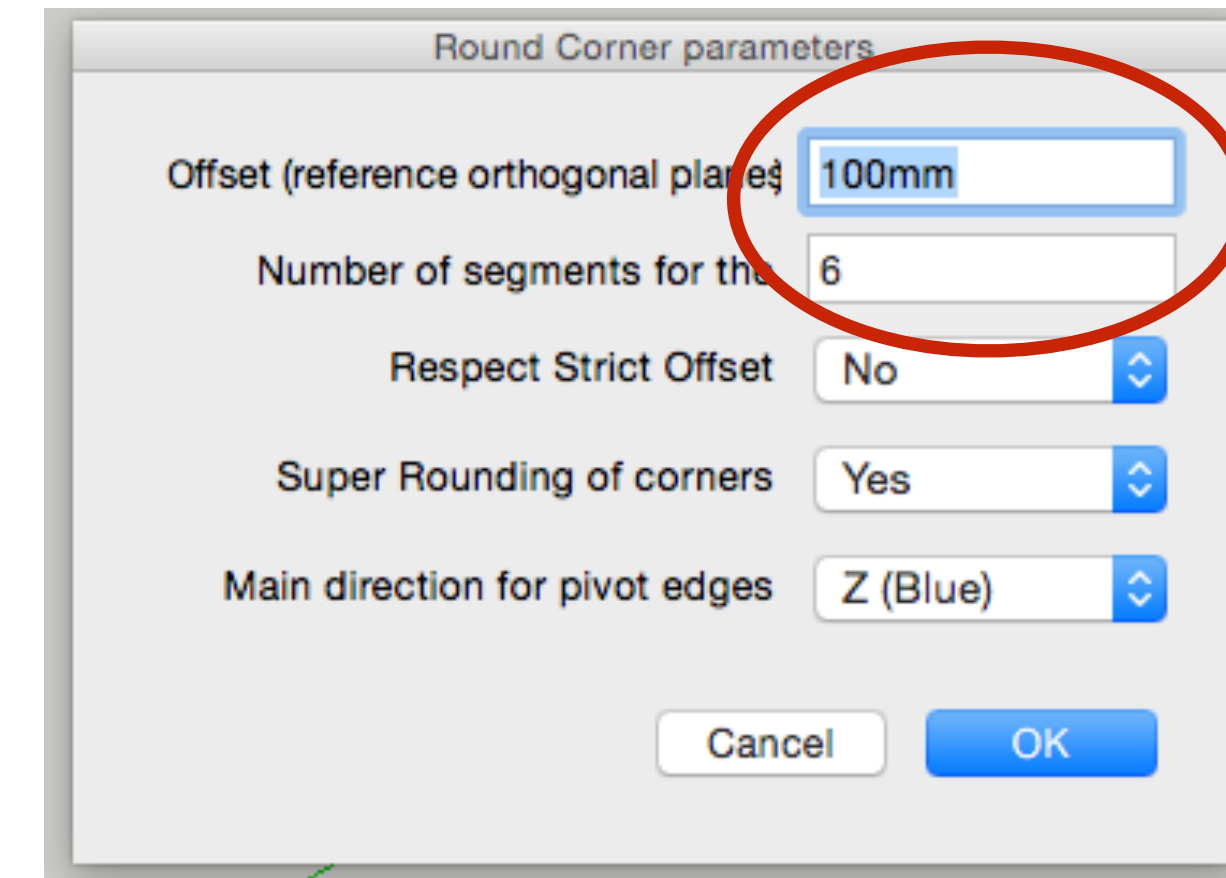
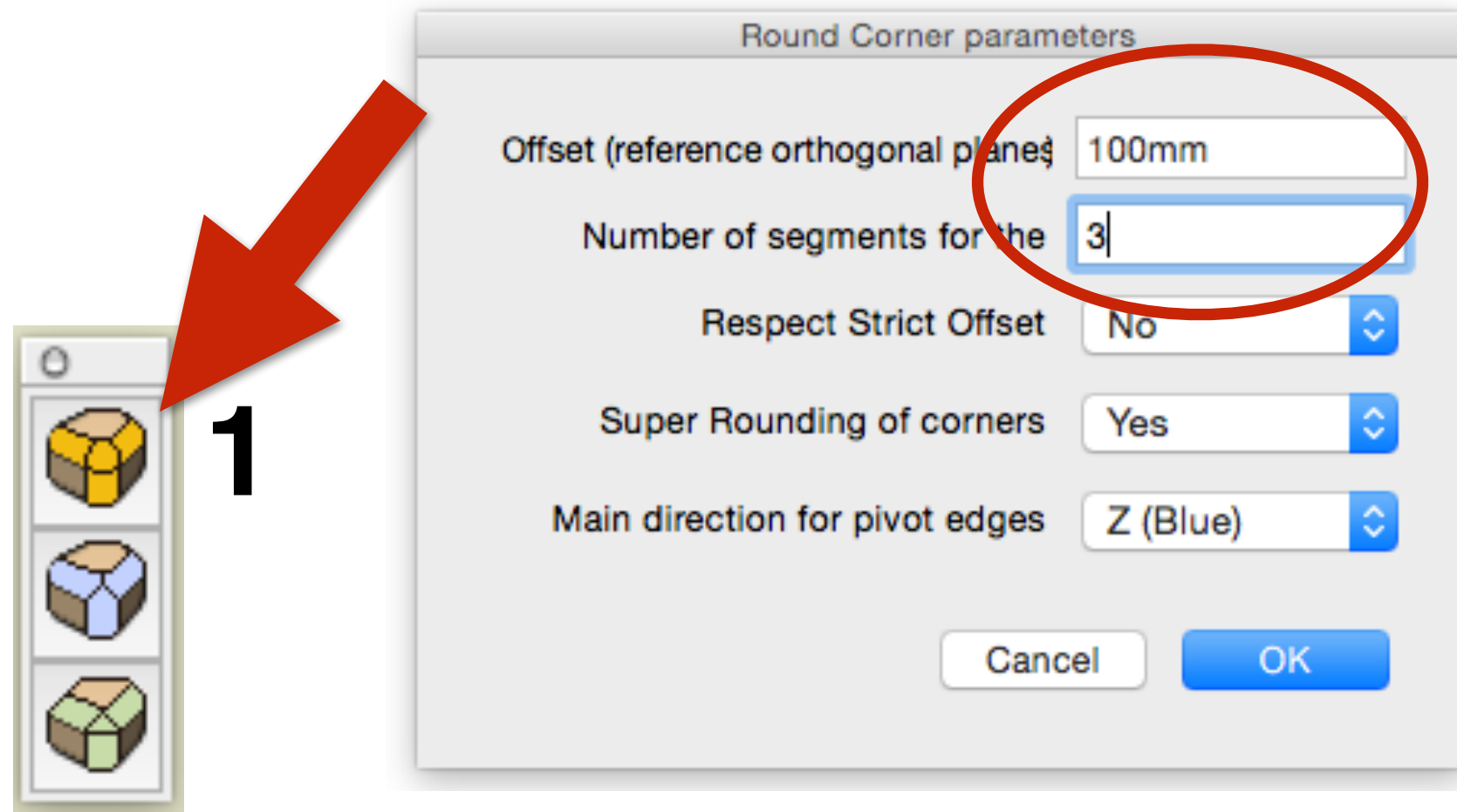
Plugin - Round Corner



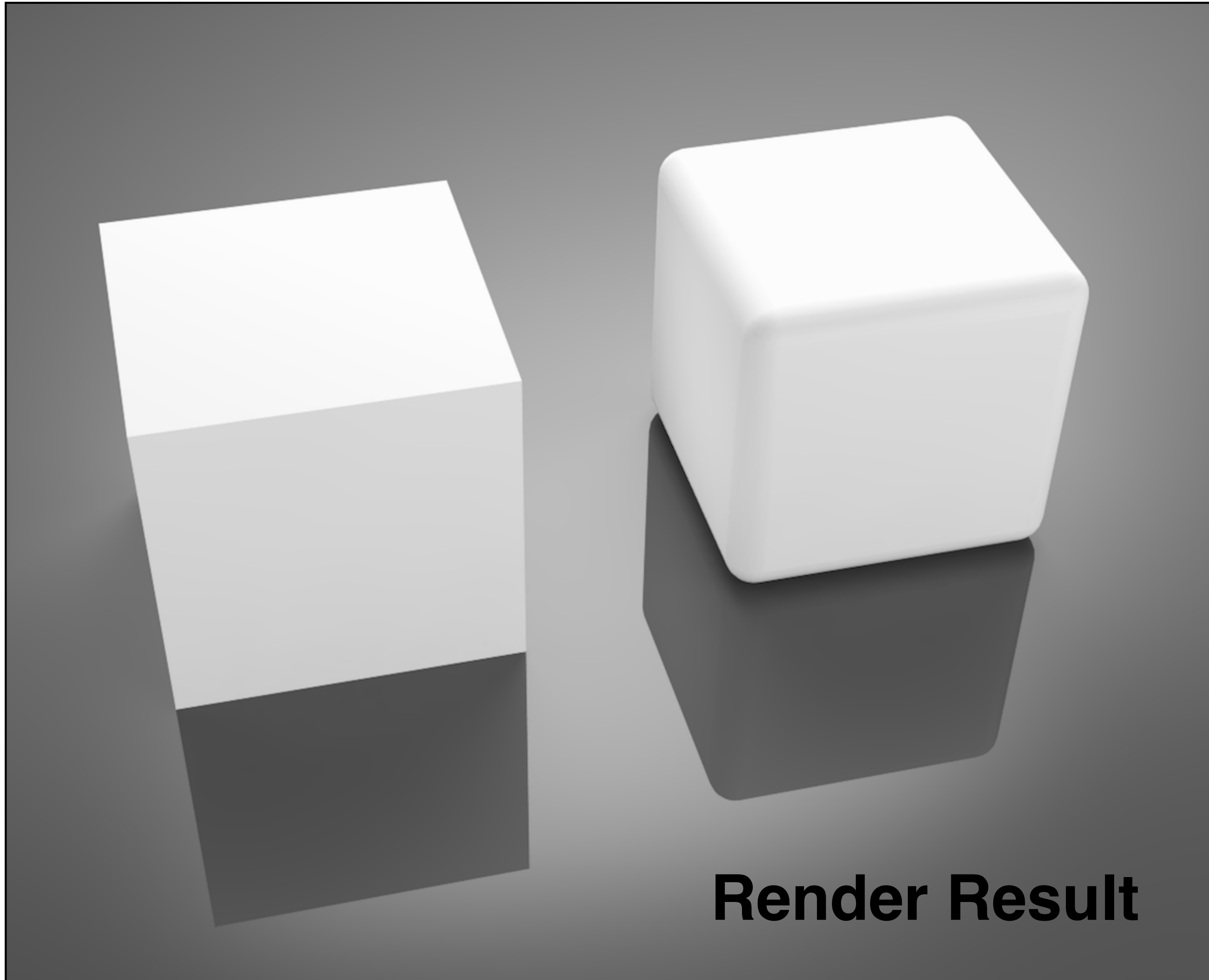
Choose Offset 100mm
Choose Segments - 6



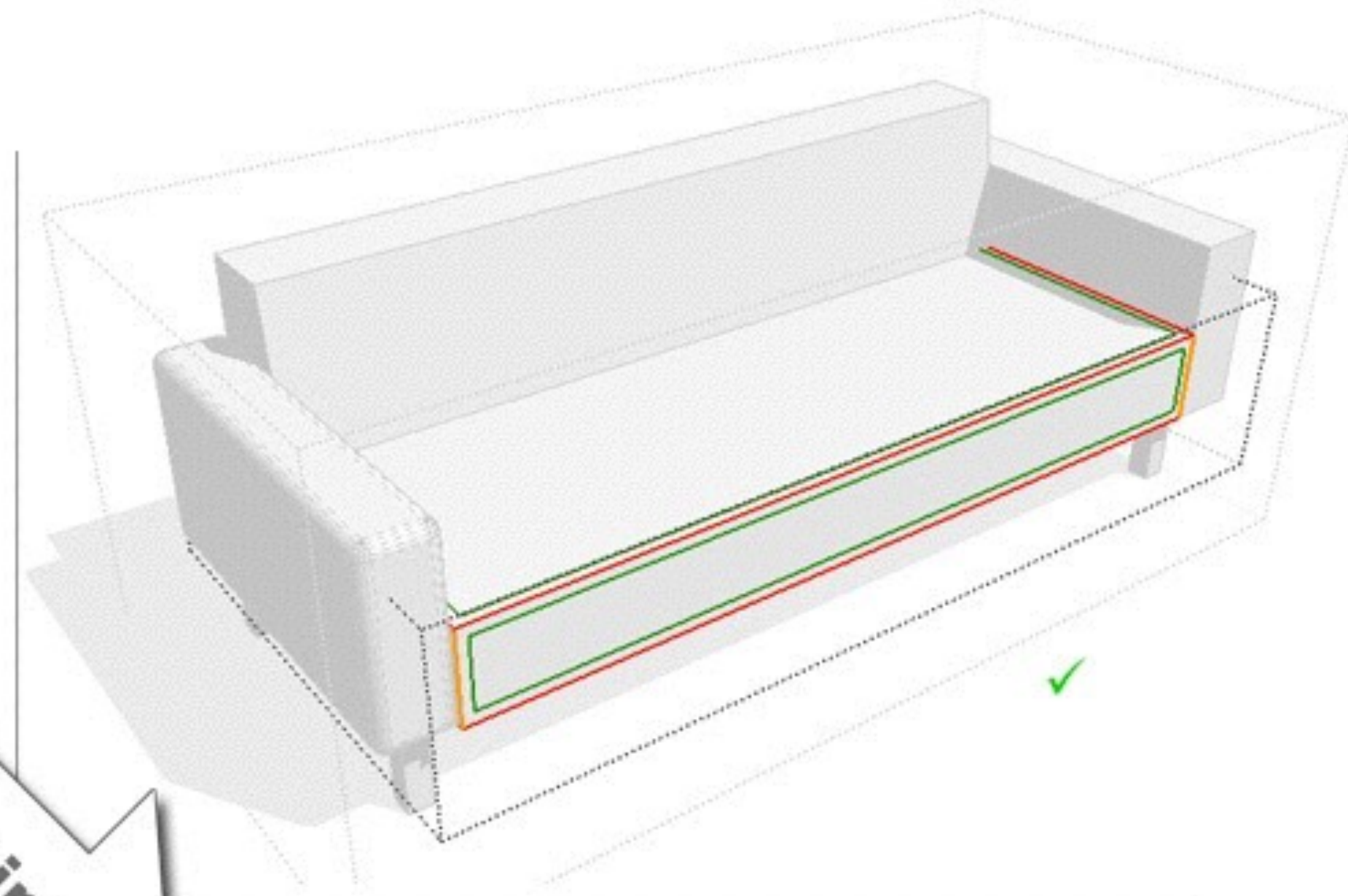
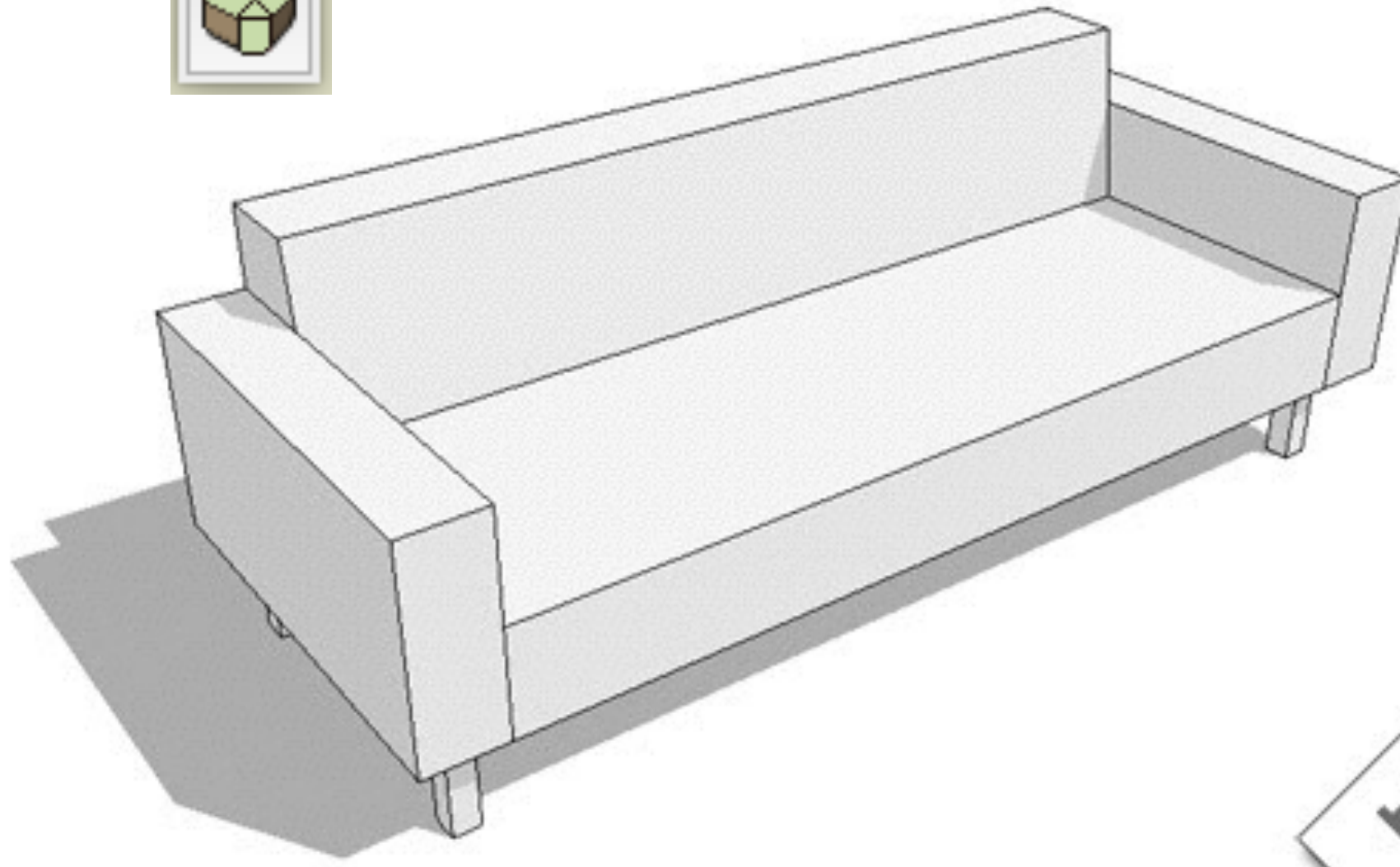
Plugin - Round Corner



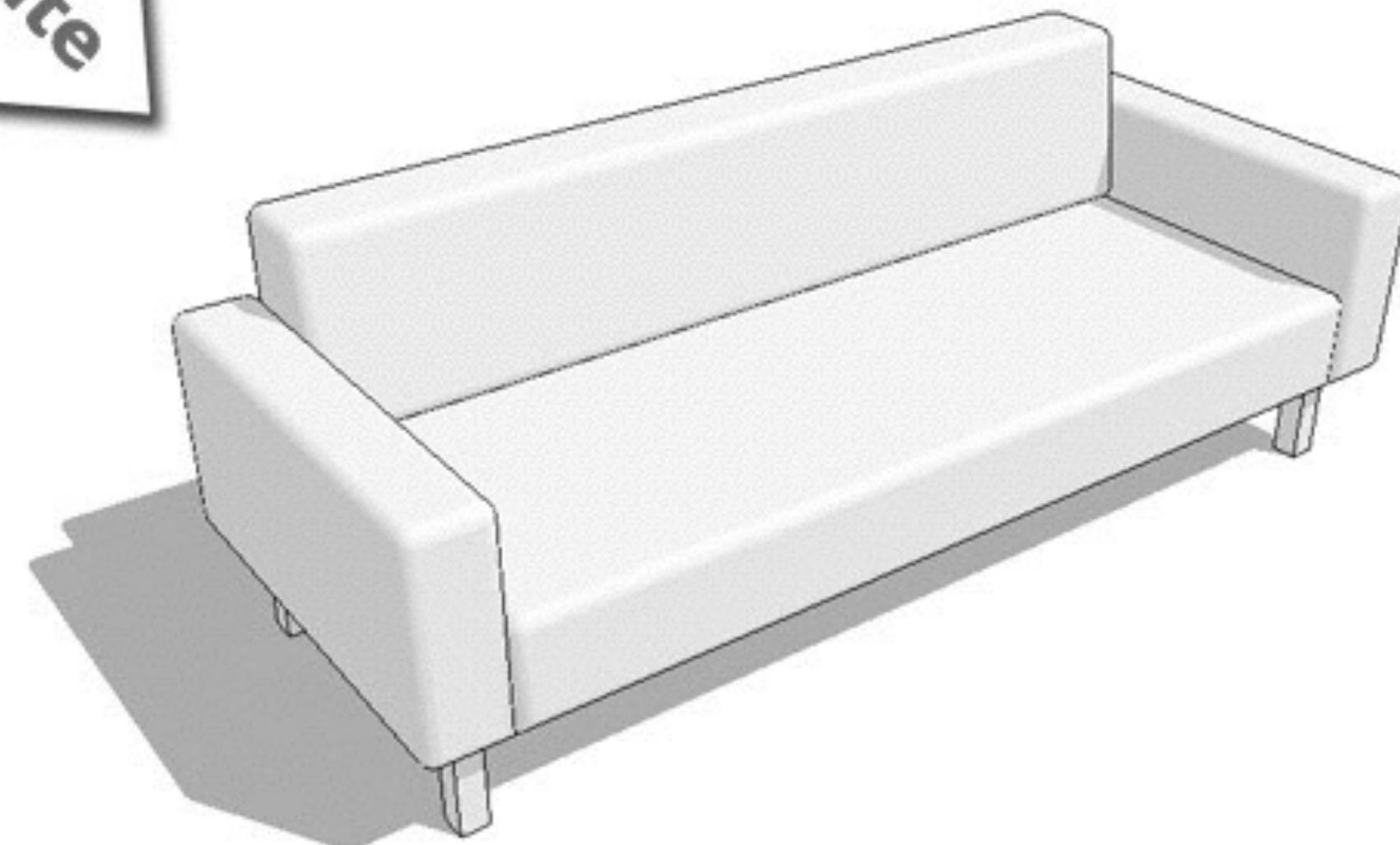
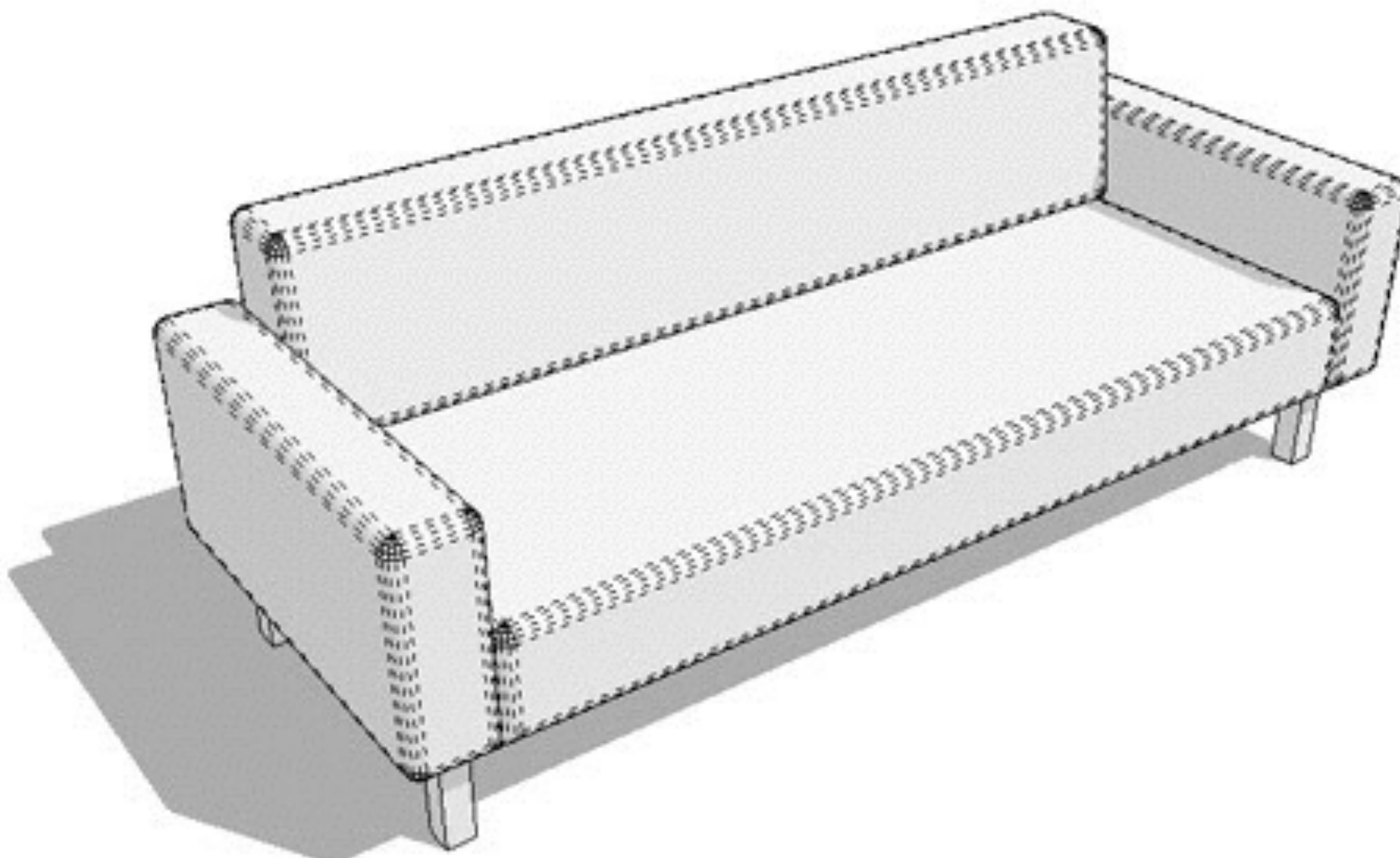
Plugin - Round Corner

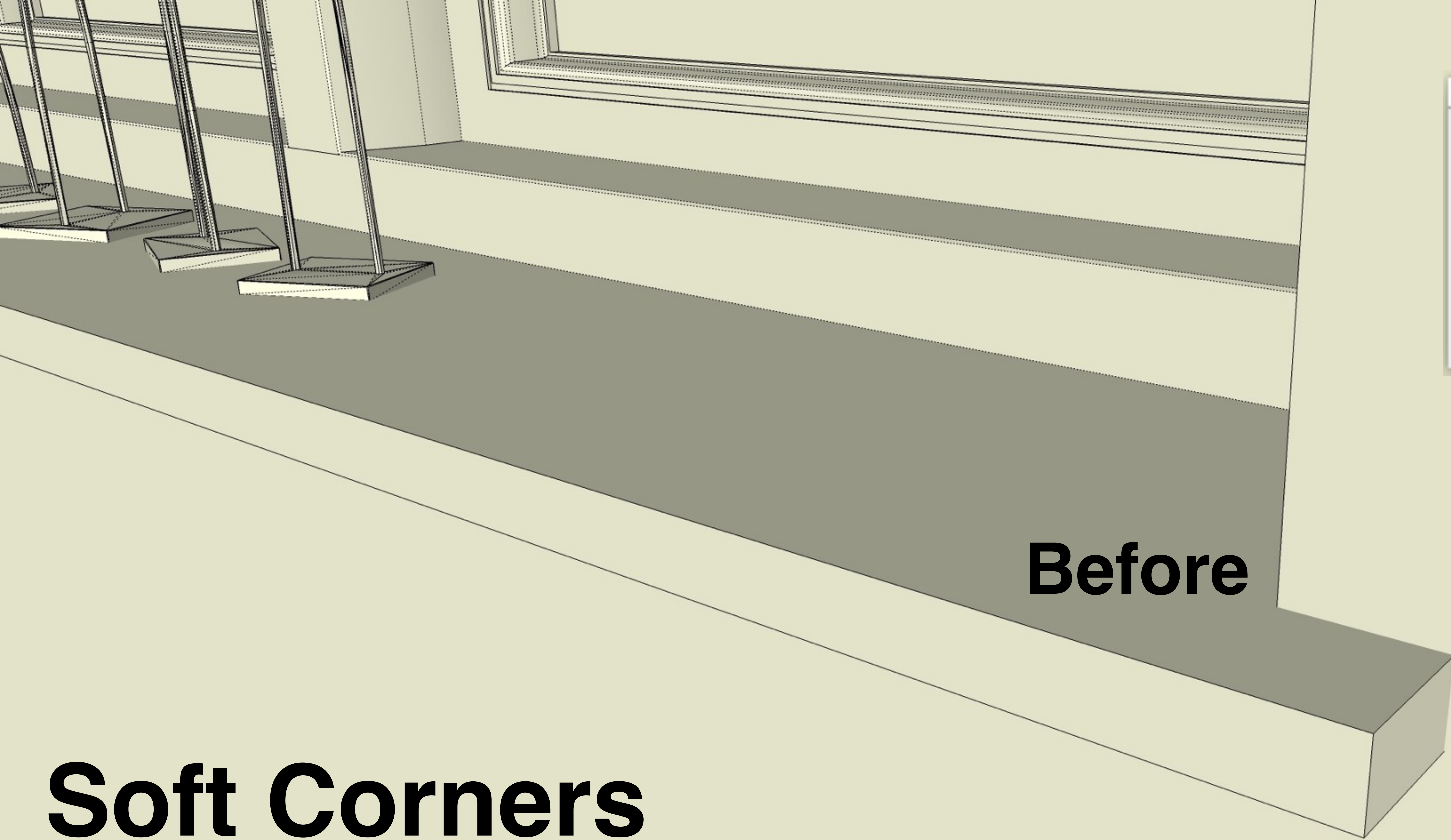


Plugin - Round Corner



1 minute





Soft Corners

Plugin - Round Corner



After

Soft Corners

Plugin - Round Corner



Before

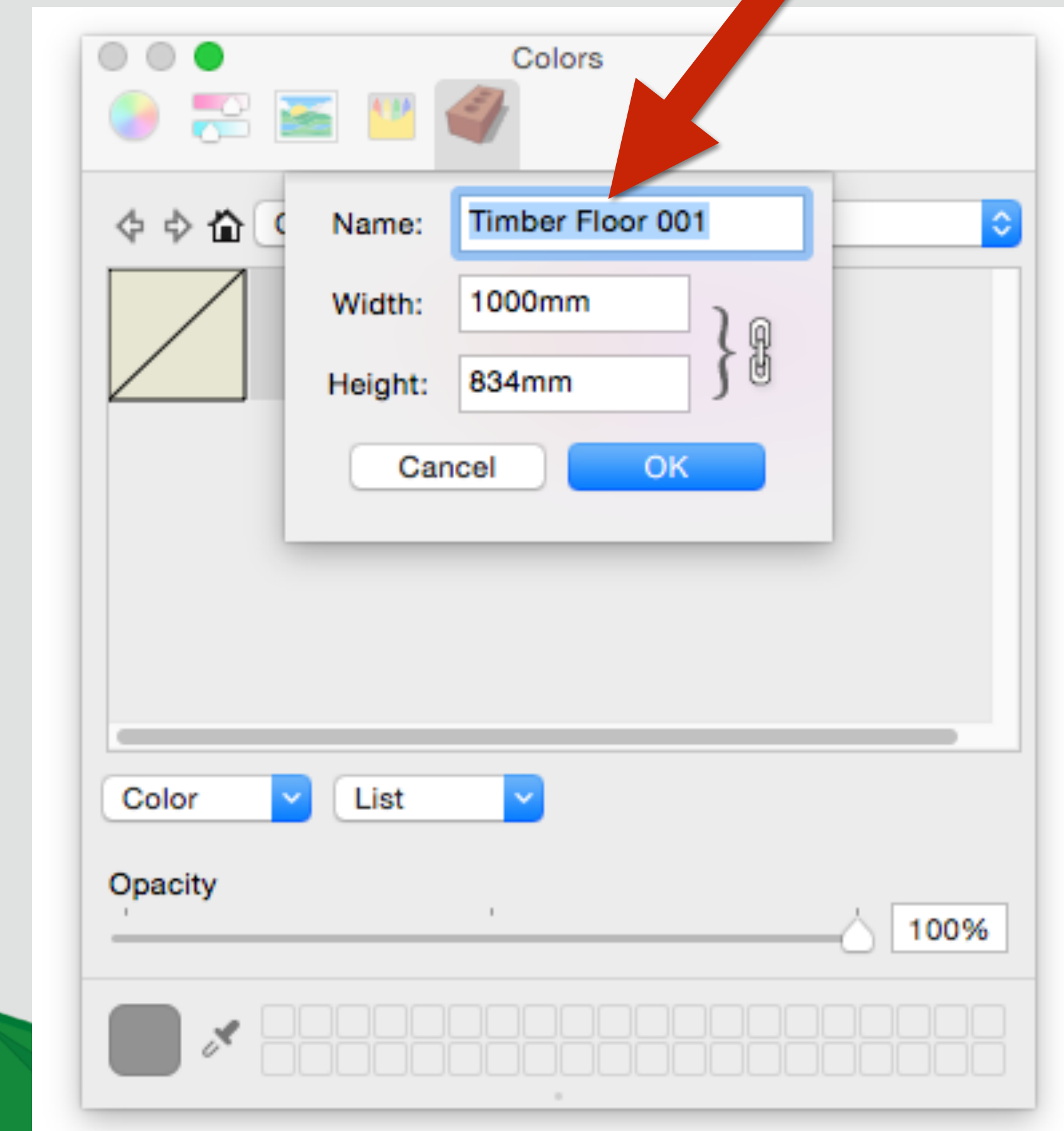
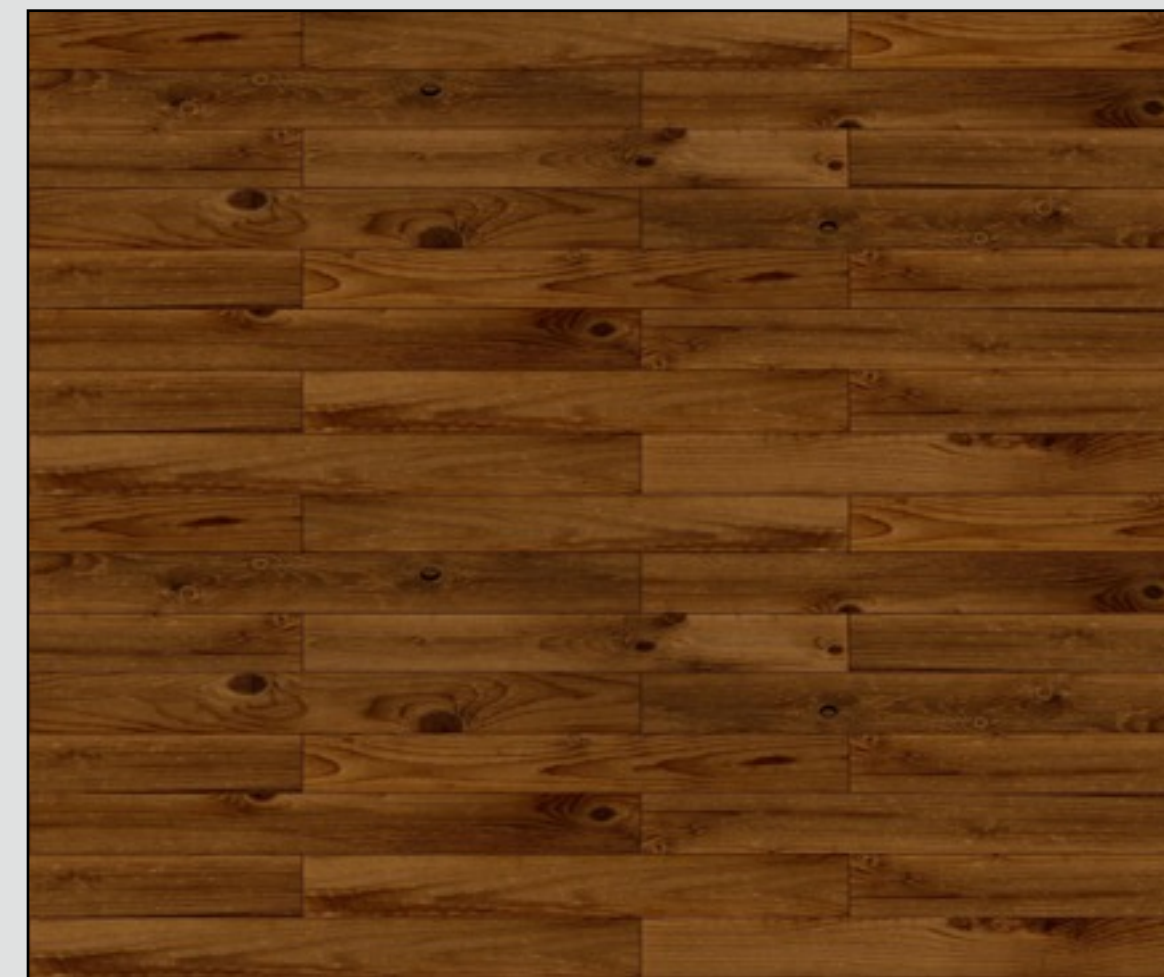
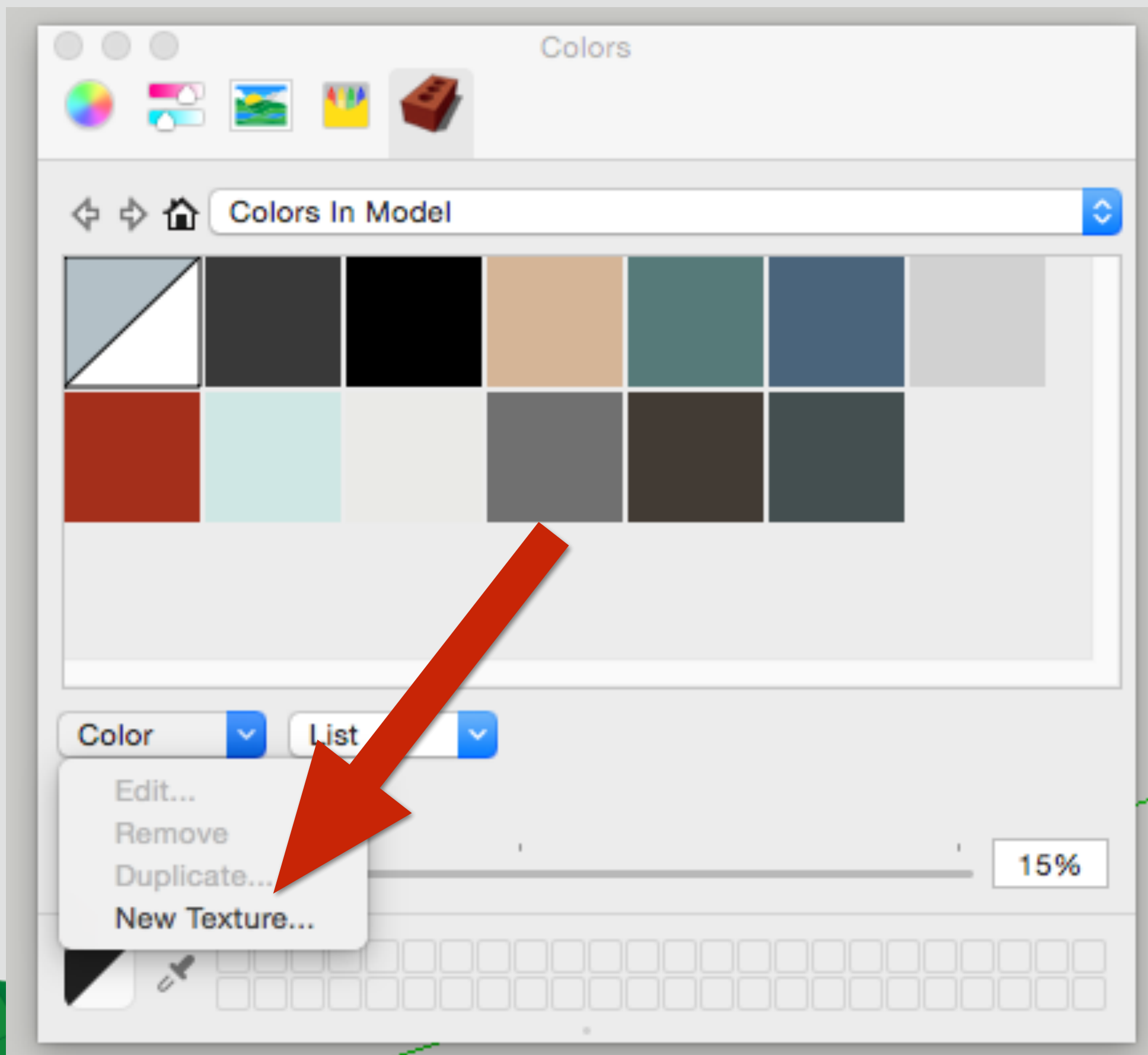


After

More tips for achieving realistic renders

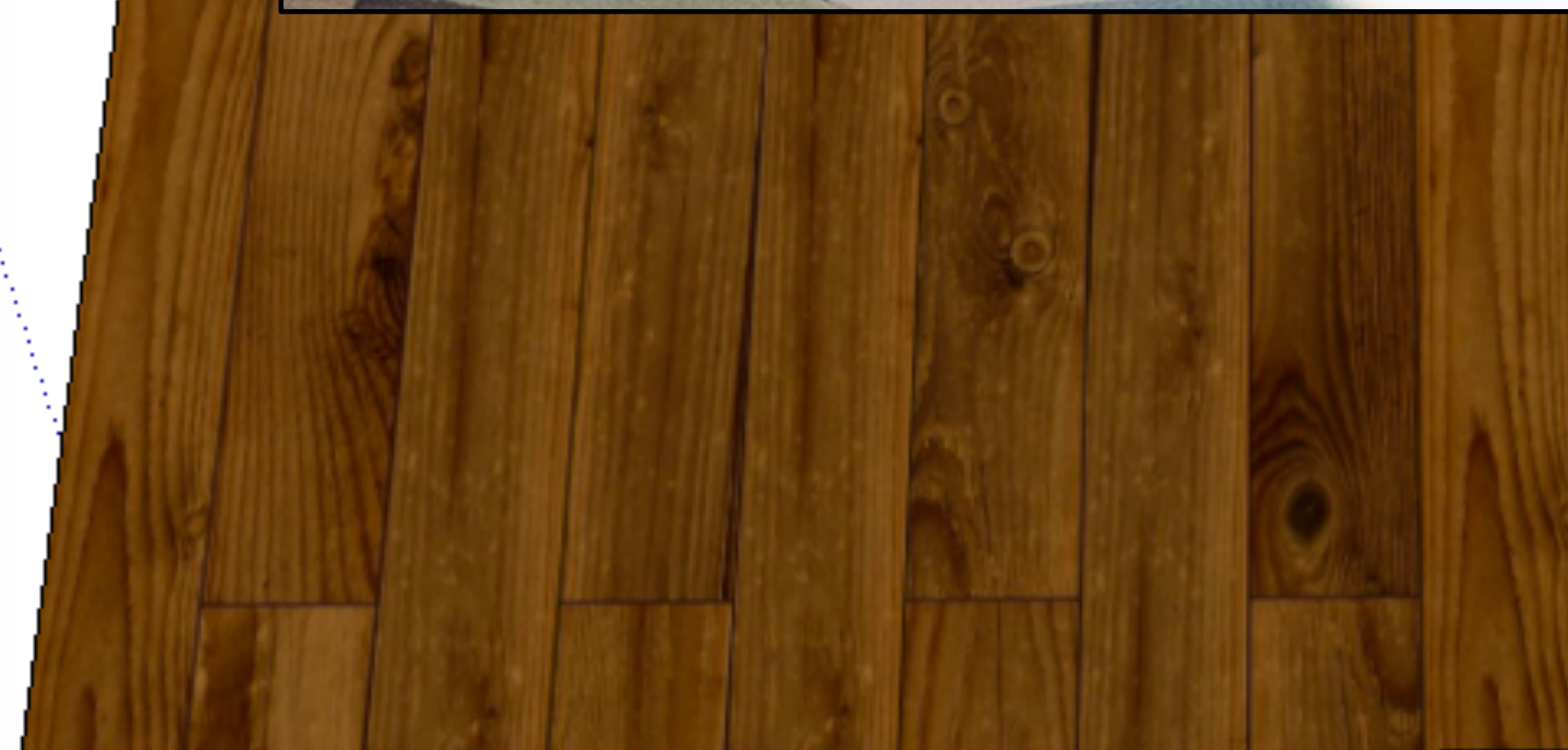
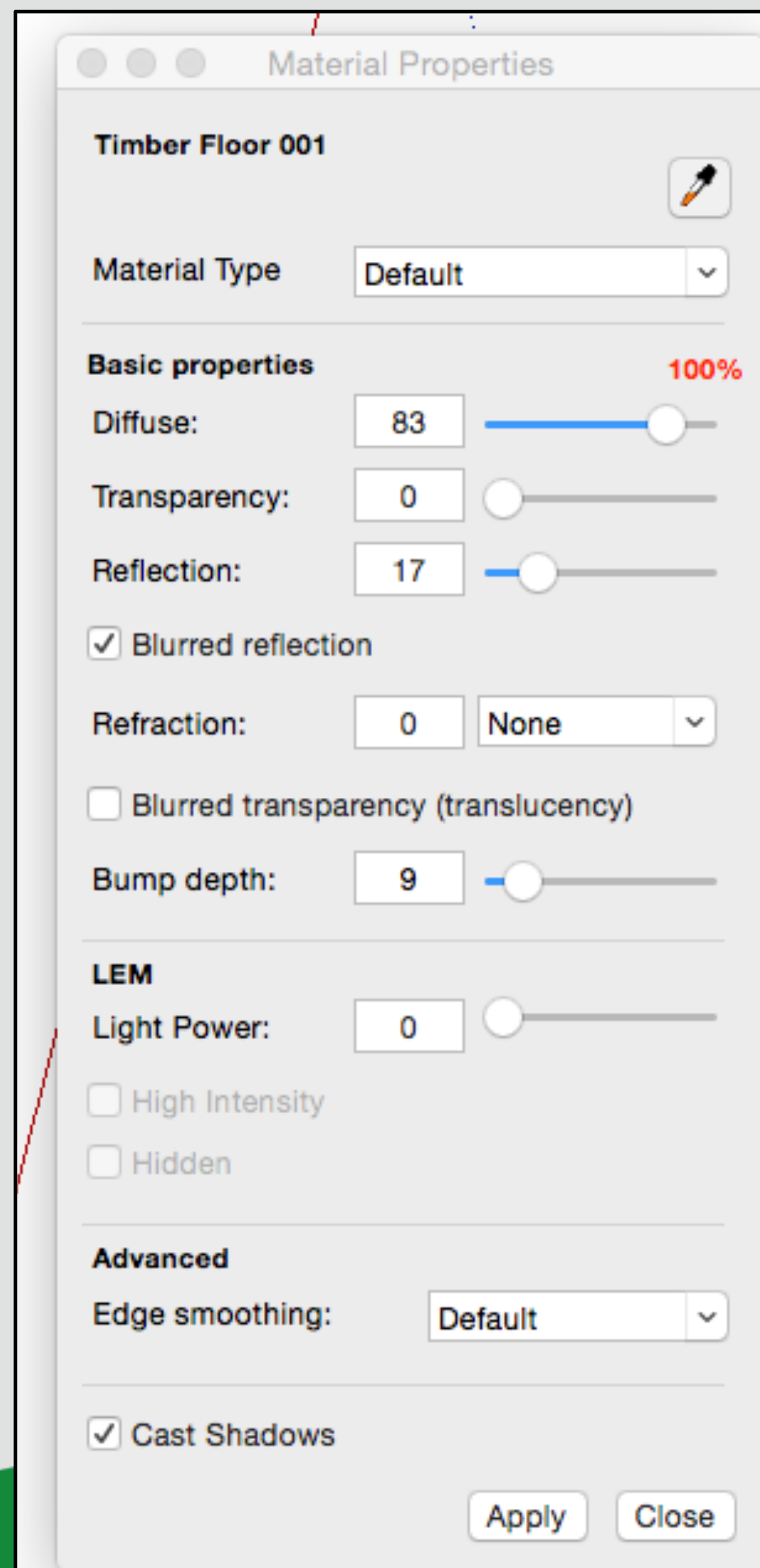


Adding Textures

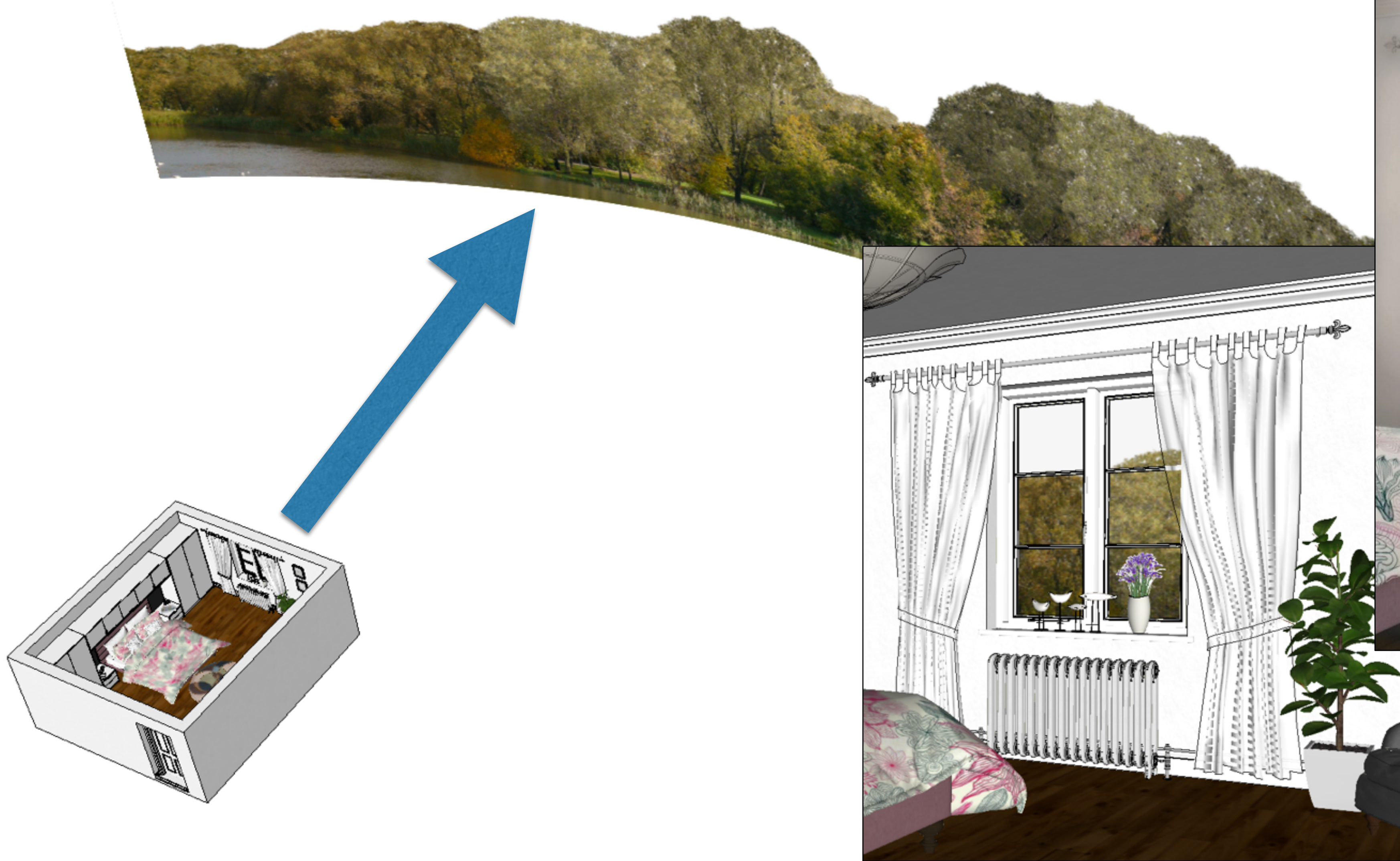




Materials



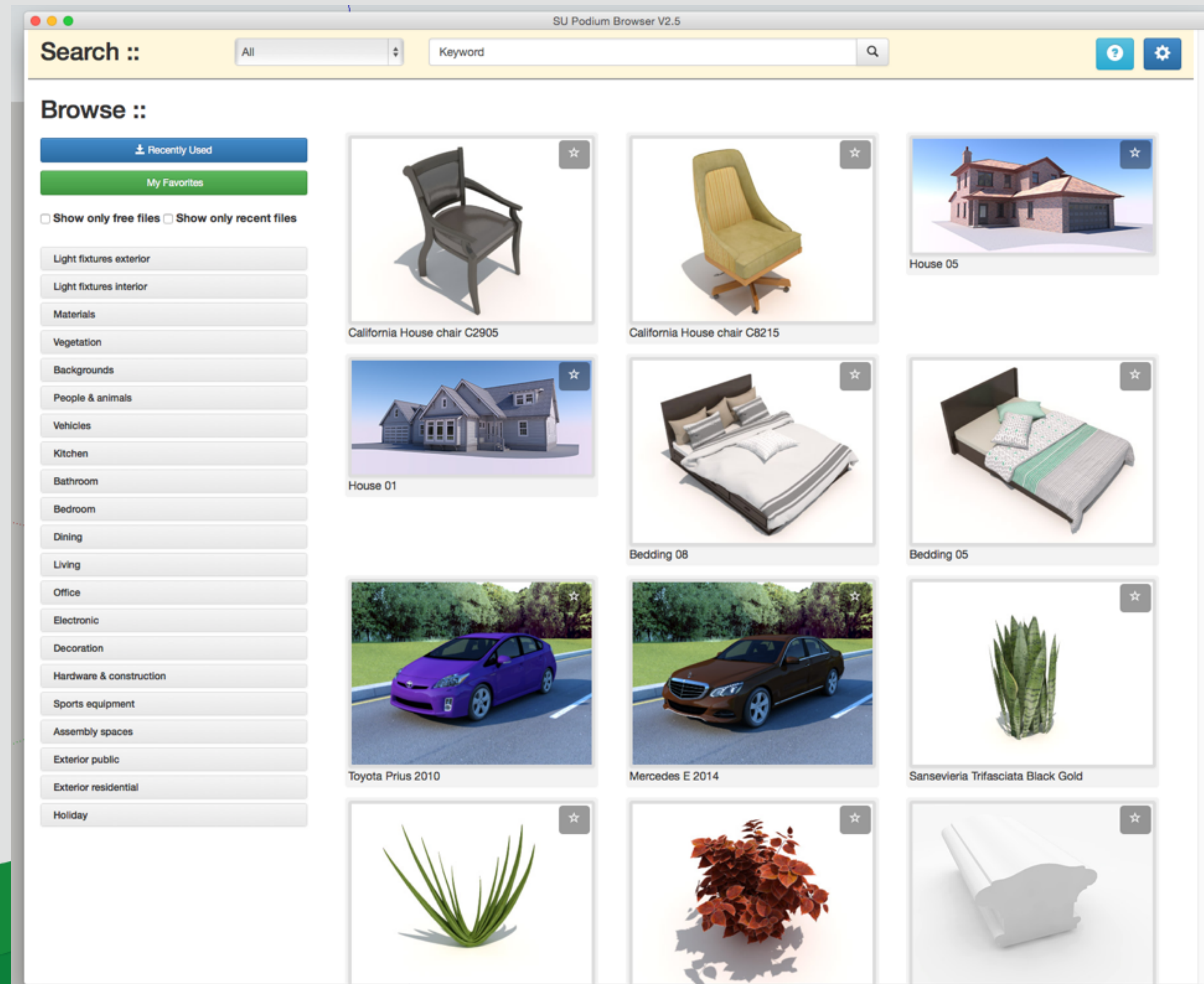
Background Image in SketchUp



Add Components

Podium Browser

supodium
rendering for SketchUp™ made easy



3D Components

 = Podium Browser Components

 = From the Internet Components



SketchUp 3D Warehouse

3D Warehouse

Upload Model

Search

Sign In

Technic 3489 A
by: Xevi

Breakout Table
by: Opendesk

Houses restructuring in Tuscany
by: Paolo Barbieri Architetto

Mason Jar Light Fixture - Set 2
by: Joel

Flexform Piuma Cabinet
by: Flexform

NATUZZI

LUMOS

BOSCH
Invented for life

NanaWall

FORMICA

OFS BRANDS

THE BOLD LOOK
OF KOHLER

FLUXFORM

SHERWIN
WILLIAMS

BRIZO

8 Spruce Street (Beekman Tower)
by: CS3Design

One World Trade Center (Freedom Tower)
by: Filip Michalowski

Burj Al Arab Jumeirah Hotel Dubai
by: www.white-paper-media.de

Turning Torso (Malmö, Sweden)
by: alsomar | iniciativa gráfica

The Trump Building (40 Wall Street)
by: Sebastian S.

Product Connect Enabled ...

mobilier de Maisons du m...

Cat-e BIM Objects

Skylark Motors

Creekside Woodshop

Building Product Manufact...

Rocks, Stones and Boulders

Kitchen and Bath

Interior Furnishings

Dynamic Components

Visa Lighting

파미르
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Pendente Bella HU2084C
by: Isabella Brunheroto

Salon meuble
by: zstrong

Metro 100 XTLL RCH 41
by: DRU fire

MOS RELEVO IRREGOLARE BIANCO NAT 30x30 P
by: Maykon B.

Popular Wood
124 models

Saccaro Móveis
584 models

TaffGoch
249 models

7800 3D certifi
7,714 models

Coyote56
503 models

ZNO
873 models

Alex Marques
371 models

Aarquitectura
460 models




SketchUp 3D Warehouse

3D Warehouse [Upload Model](#)

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THEA RENDER

[Download](#)

Downloads	4,257
Likes	90
.skp File Size	37.1 MB
Polygons	213,828
Materials	3
Uploaded	12/16/14
Last Modified	12/16/14

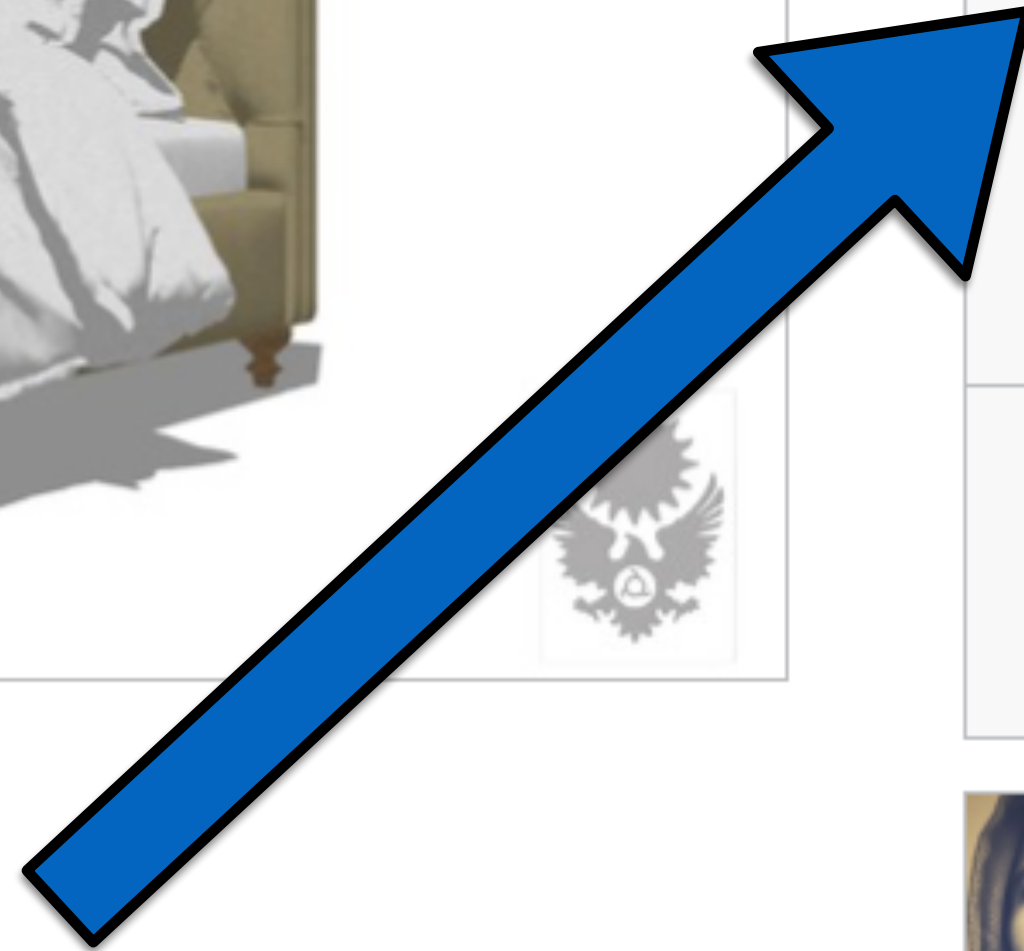
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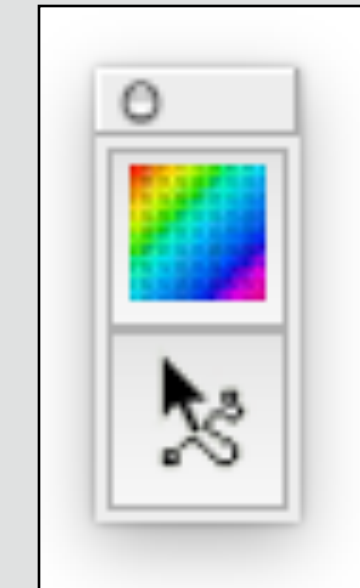
Adam Khamkho
150 models

For more information, visit:
<http://gramercy-home.com>



Mapping Texture's

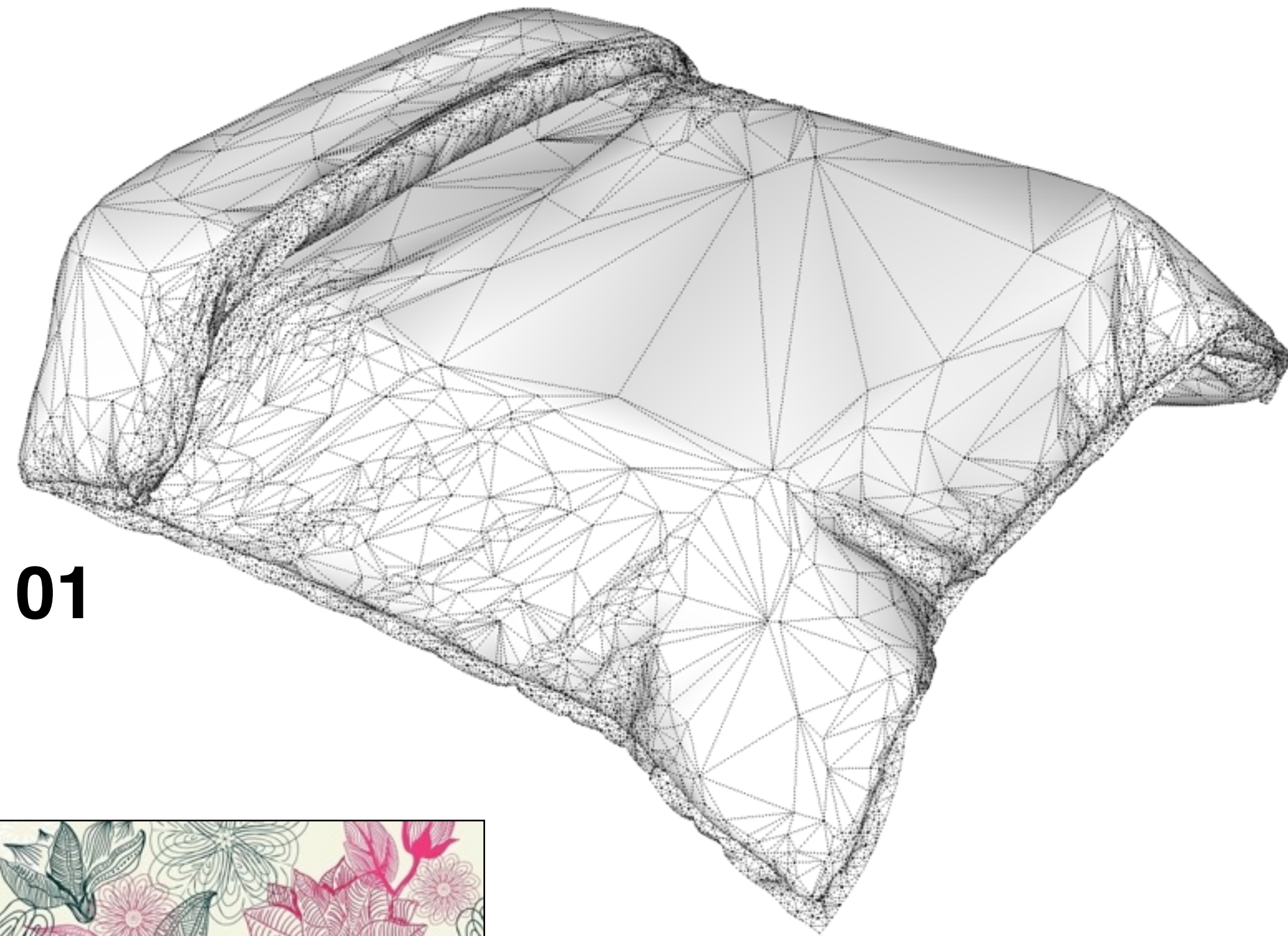
SketchUV Plugin



Plugin by Whaat

Mapping Texture's

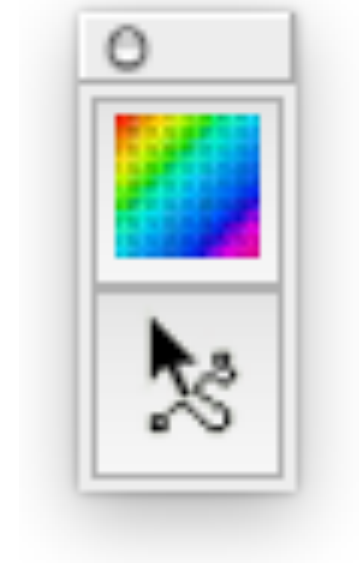
SketchUV Plugin



01



02

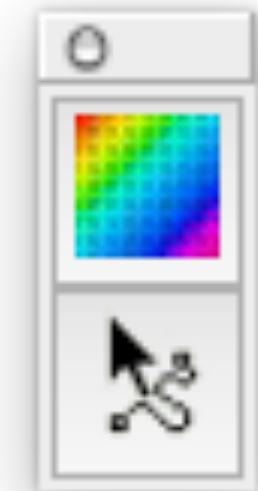


Mapping Texture's

SketchUV Plugin



03
SketchUp Image




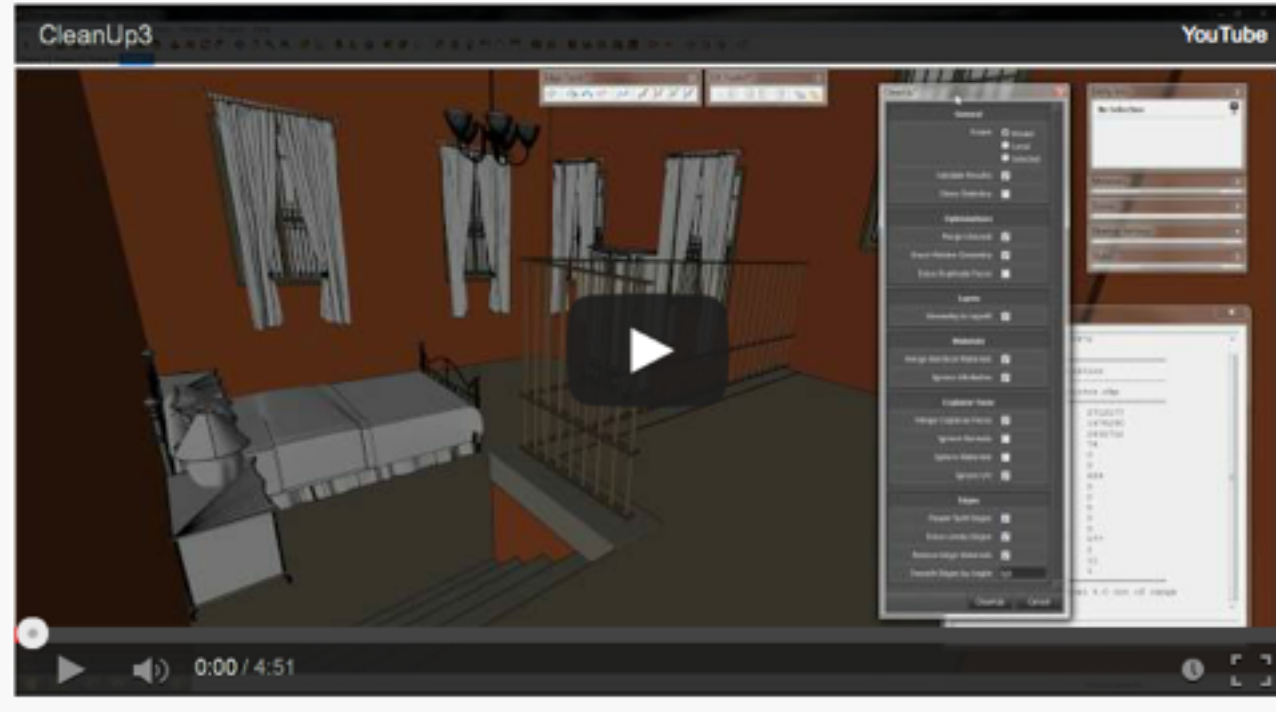
04
Final Render


Clean Up your model


Plugin: Clean Up - by Thom Thom


WARNING - SAVE MODEL FIRST

**CleanUp³**
Cleans up and optimizes your SketchUp model.



 **Download**

 **58363** users

 **70** reviews

Size: 11.05 KB

Version: CleanUp³ 3.3.1; March 17, 2015

Number of Views: 515996

Category: Productivity


Industry:
Architecture, Construction, Education, Engineering, Film & Stage, Gaming, Heavy Civil, Interior Design, Kitchen & Bath, Landscape Architecture, Urban Planning, Woodworking

SketchUp Compatibility:
SketchUp 7, SketchUp 8, SketchUp 2013, SketchUp 2014, SketchUp 2015

OS Compatibility:
Mac OS X, Windows

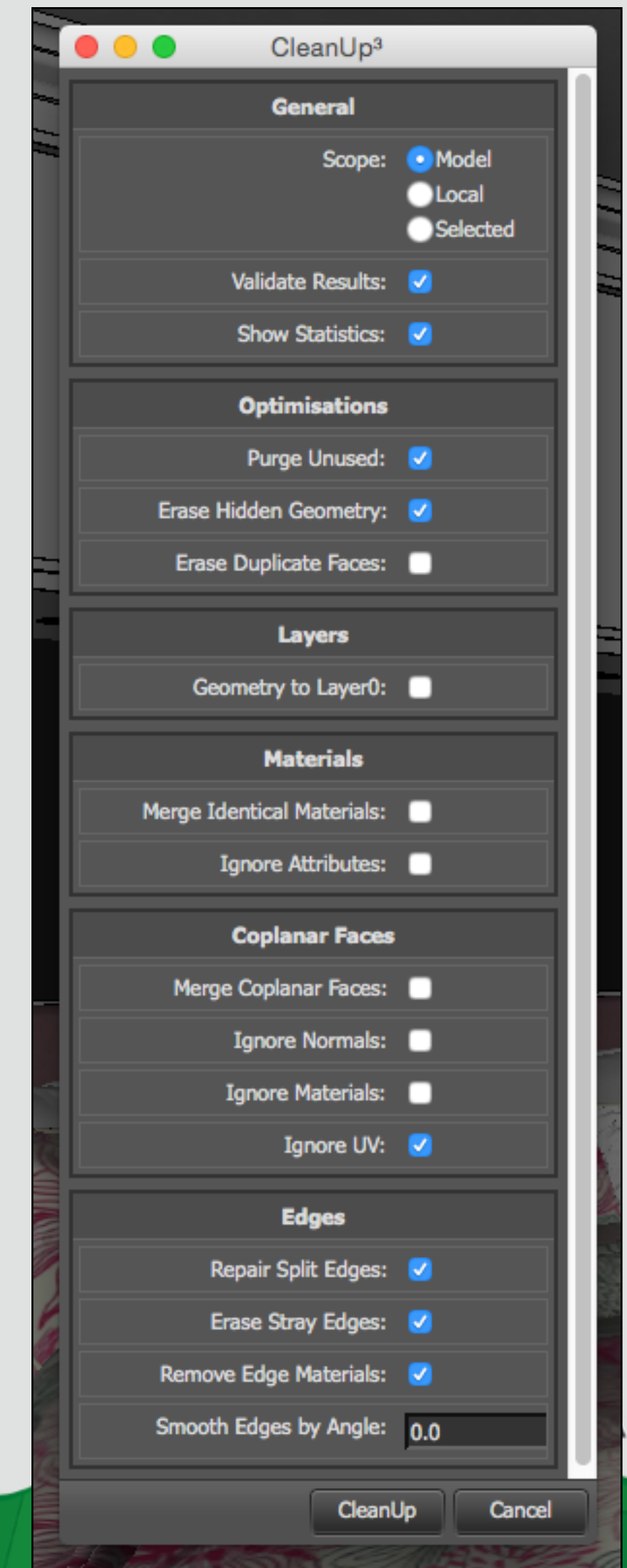
Languages: English

[Extension Warehouse Help](#)
[Website](#)
[Blog](#)
[Vertex Tools for SketchUp](#)

ThomThom

More by ThomThom
[CleanUp3](#)

CleanUp³ Features

- Fixes duplicate component definition names (When in model scope)
- Purge unused items
- Erase hidden geometry
- Erase duplicate faces
- Erase lonely edges (Except edges on cut plane)
- Remove edge material
- Repair split edges
- Smooth & soft edges
- Put edges and faces to Layer0
- Merge identical materials
- Merge connected co-planar faces



Purge your model

Plugin: **Purge All** by Tig

sketchUcation

TIG: Purge All v1.8



★★★★★ (4.9/23)



'Purges' your model of unused Components, Layers, Materials and Styles: its dialog makes each type optional: there is also an optional closing Report showing numbers, or a Log file also listing the names of the purged items...

Usage: Plugins > Purge...

Downloads: 7644 [Version Updated: 2014/03/10]

Autoinstall

More info

Donate

[www.http://sketchucation.com/pluginstore](http://sketchucation.com/pluginstore)

Purge Unused Options

Purge Components: Yes

Purge Layers: Yes

Purge Materials: Yes

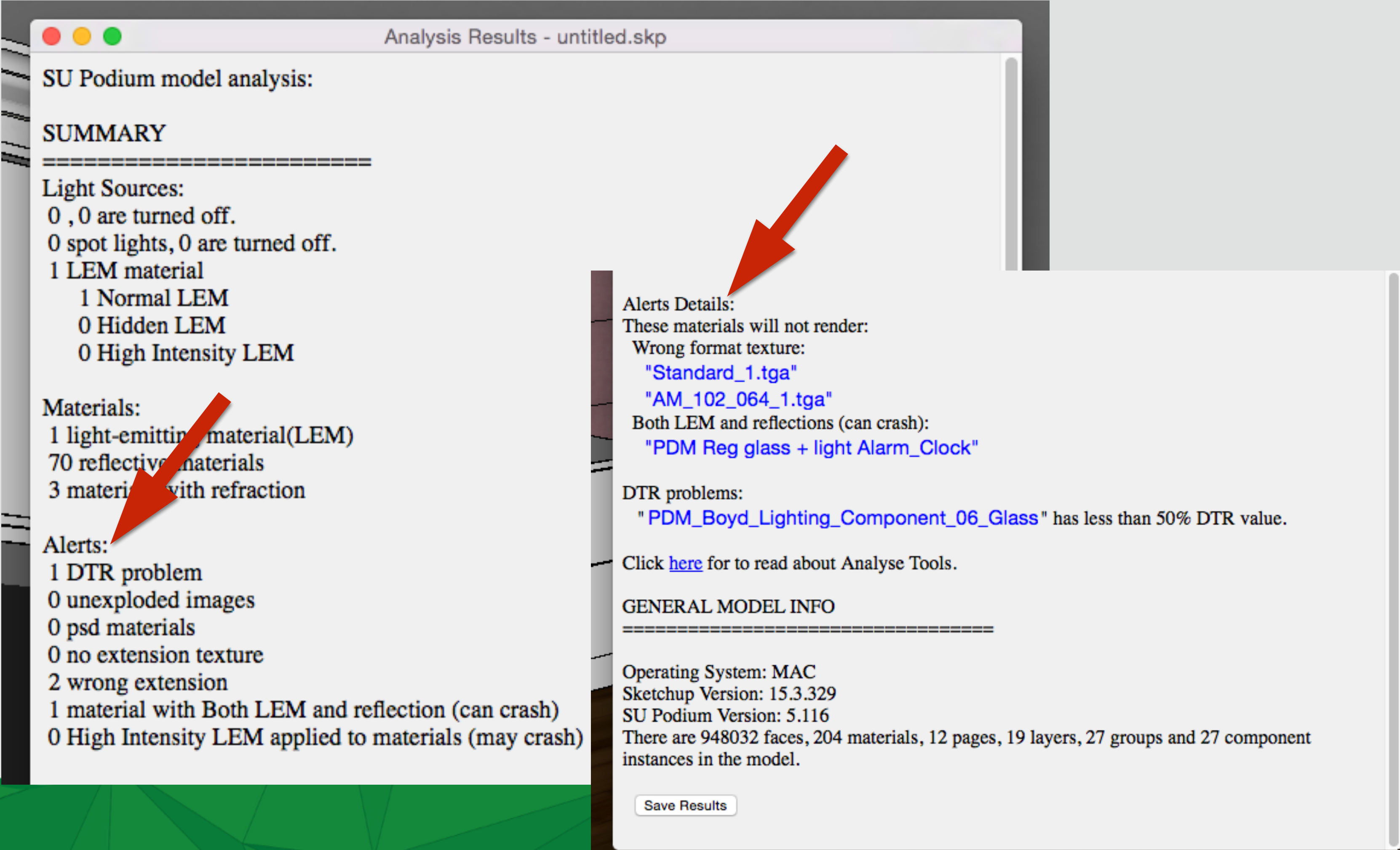
Purge Styles: Yes

Make Report: Yes

OK Cancel

Analyse your model

Run Podium Tools



Analysis Results - untitled.skp

SU Podium model analysis:

SUMMARY

=====

Light Sources:

- 0 , 0 are turned off.
- 0 spot lights, 0 are turned off.
- 1 LEM material
 - 1 Normal LEM
 - 0 Hidden LEM
 - 0 High Intensity LEM

Materials:

- 1 light-emitting material(LEM)
- 70 reflective materials
- 3 materials with refraction

Alerts:

- 1 DTR problem
- 0 unexploded images
- 0 psd materials
- 0 no extension texture
- 2 wrong extension
- 1 material with Both LEM and reflection (can crash)
- 0 High Intensity LEM applied to materials (may crash)

Alerts Details:

These materials will not render:

Wrong format texture:

- "Standard_1.tga"
- "AM_102_064_1.tga"

Both LEM and reflections (can crash):

- "PDM Reg glass + light Alarm_Clock"

DTR problems:

- "PDM_Boyd_Lighting_Component_06_Glass" has less than 50% DTR value.

Click [here](#) for to read about Analyse Tools.

GENERAL MODEL INFO

=====

Operating System: MAC
Sketchup Version: 15.3.329
SU Podium Version: 5.116
There are 948032 faces, 204 materials, 12 pages, 19 layers, 27 groups and 27 component instances in the model.

Save Results

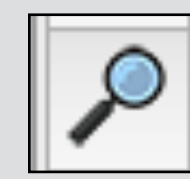


Analyse



Eye Height 1700mm - 5ft

Camera



Field of View 40 Degrees



My tips for achieving realistic renders

- Turn off lights in the day
- Render to PNG not jpeg
- Add small details - like sockets, switches,
- Add shadow gaps - lift objects off the surface
- Add a faint line overlay
- Always add your background in Sketchup
- Use the forums for Help!



Things to avoid when rendering...

- No Wide Angle Views - have a tighter frame - zoom in
- Not too Bright and washed out - shadows are good
- No Bad Textures - spend time getting the right texture
- Make sure your wood grain is in the right direction!
- No Harmony - don't have a mish-mash of components!
- Lack of reflection - add refraction.
- Bad Camera views - no drone angles!



Here is my work flow for creating the bedroom render...

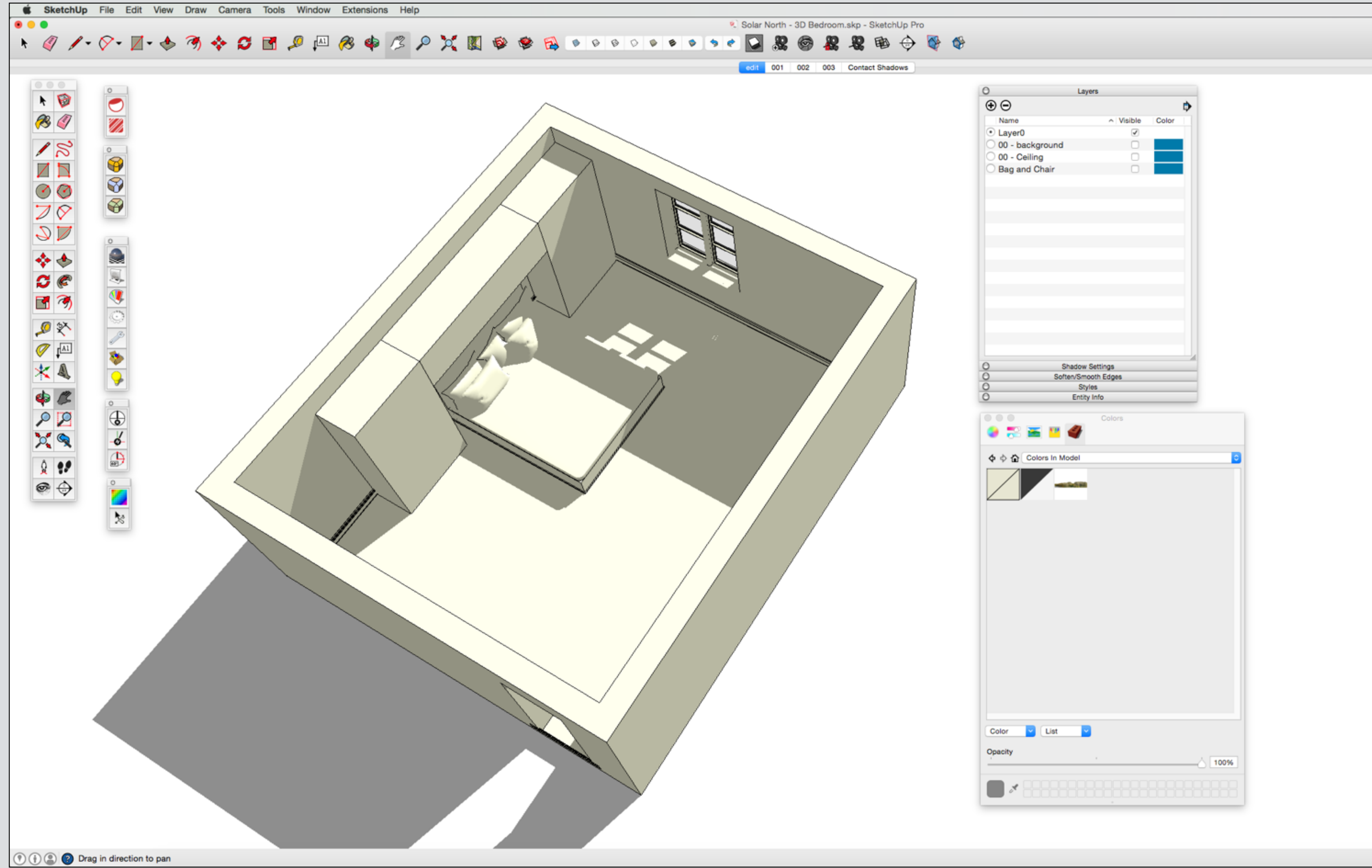


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Bedroom 3D

Set Sun position



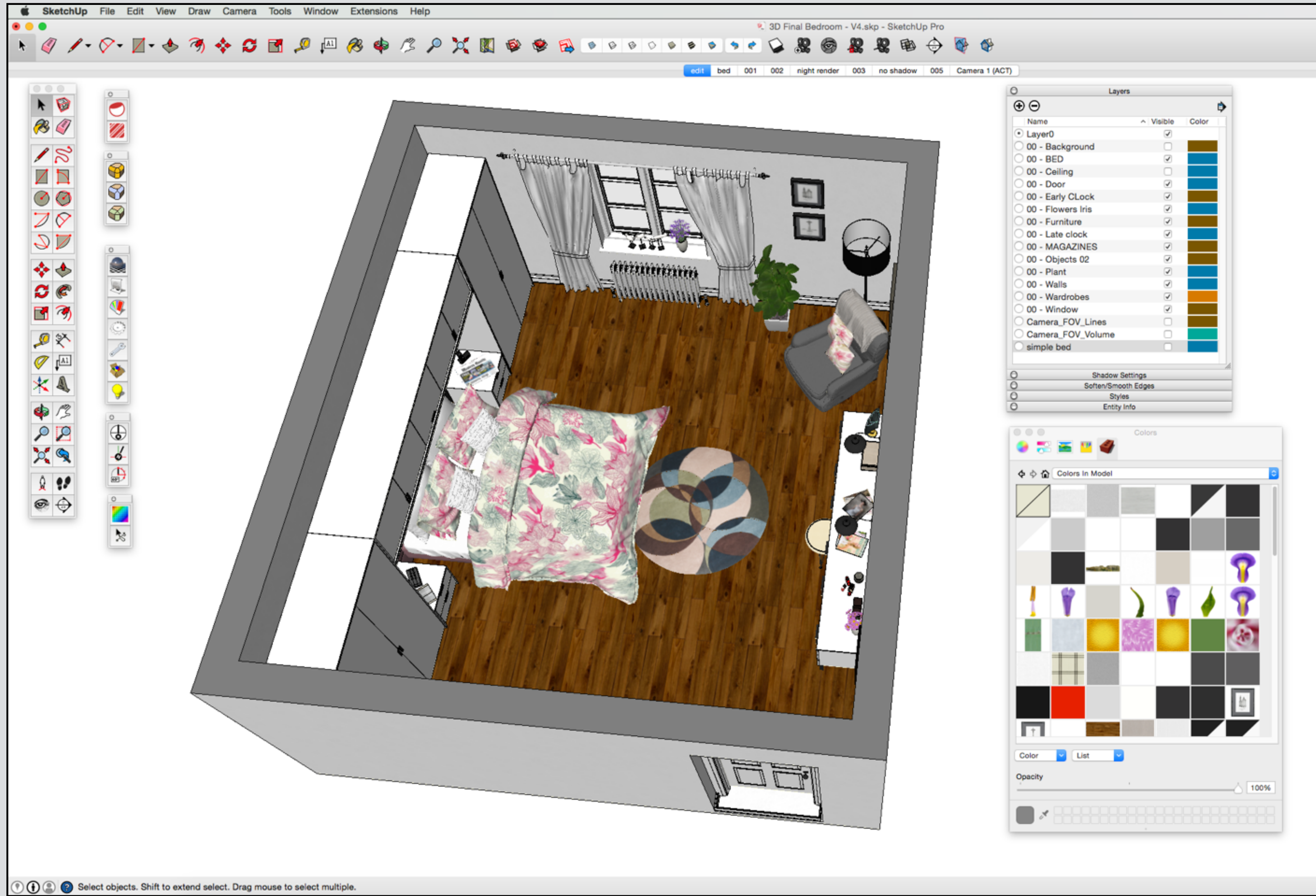
Test Render



Test Render



Add textures



Bedroom 3D

Set View to Render

SketchUp Image



Bedroom 3D

SketchUp Black and White Lines

Line Overlay

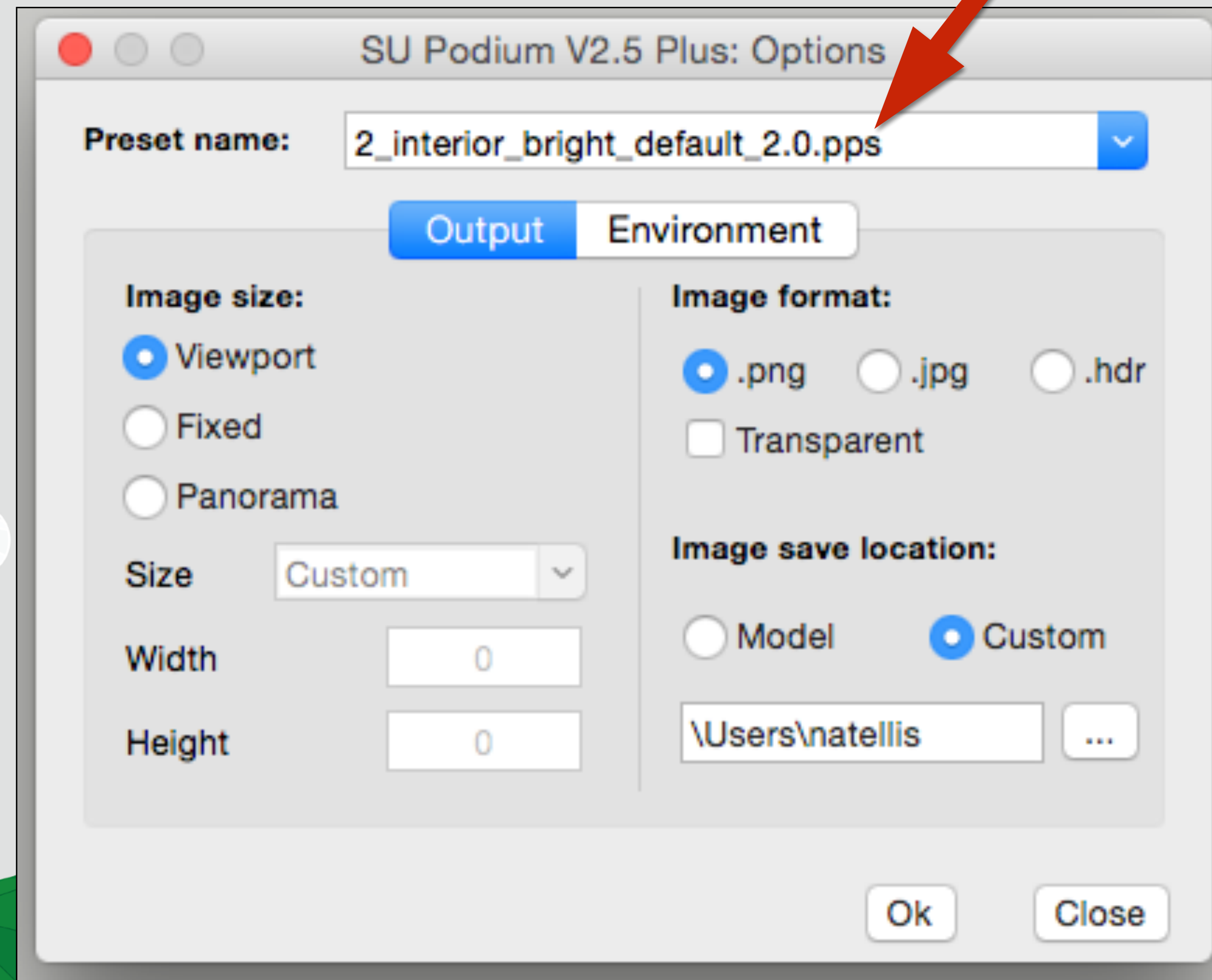


Render Settings



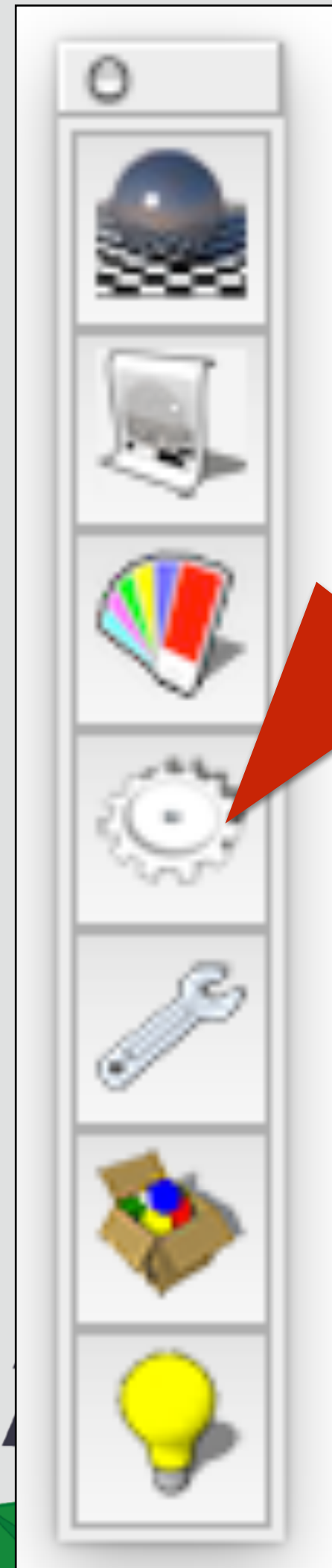
Options

OUTPUT

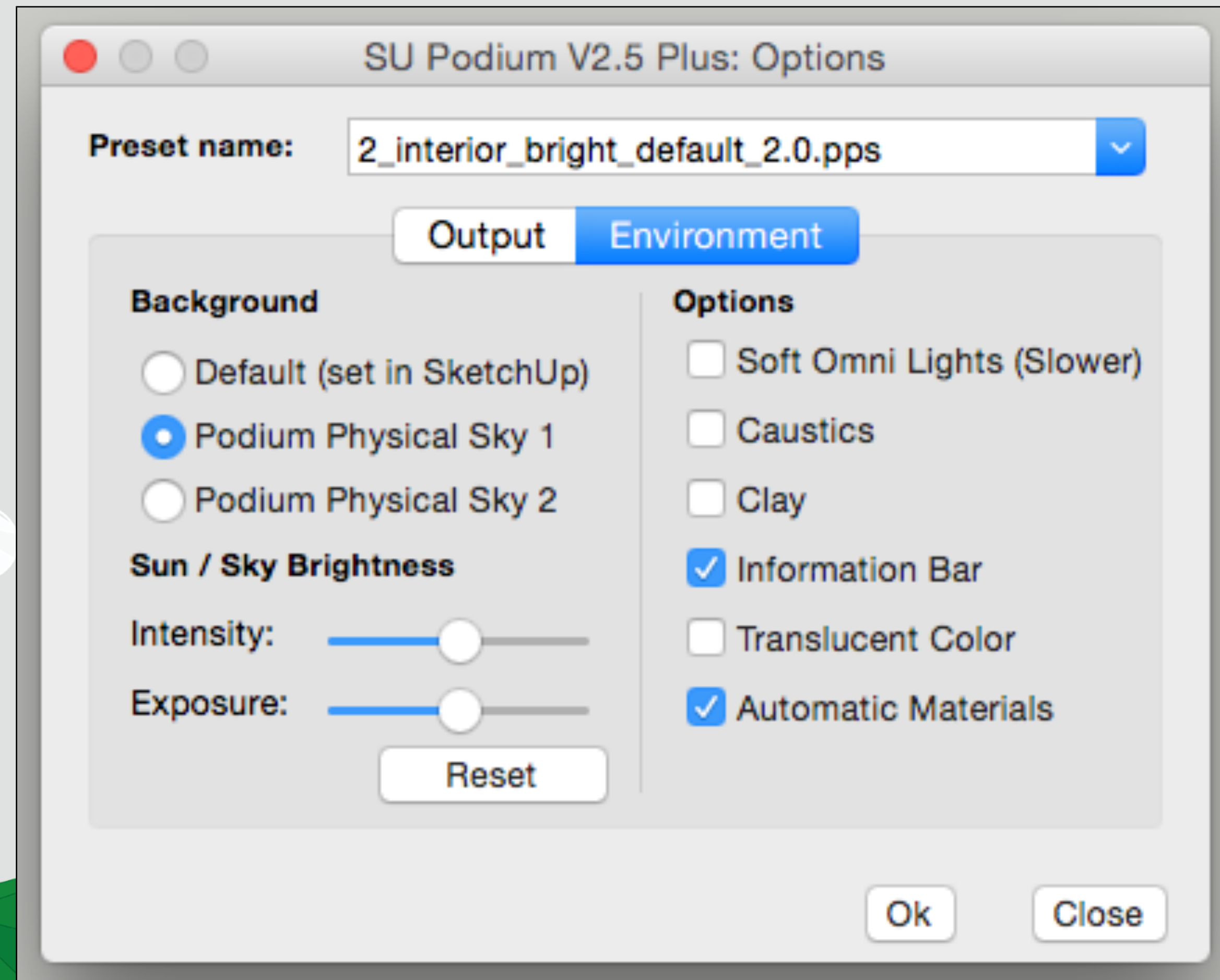


Render Settings

ENVIRONMENT



Options



Bedroom 3D

Raw Render from Podium



Bedroom 3D

Final Render + PP + Line Overlay



External Rendering

- ◆ **Sun Position**
- ◆ **Shadows**
- ◆ **Good Textures**
- ◆ **Background Image**
- ◆ **Reflections**
- ◆ **Background Image Behind the Camera**
- ◆ **Good Plants and Trees**
- ◆ **Add Entourage - Cars / People - NOT TO MANY**
- ◆ **Correct Camera Height**

More DETAIL = More Realistic



External Rendering



External Rendering



External Rendering



External Rendering





PART 2

Podium's New 360 Panoramic Feature



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**Podium has developed something NEW,
the ability to create 360 Panoramic's.**

**It is this new exciting feature that I
would like to show you, so you can see
how I use this at JBA.**



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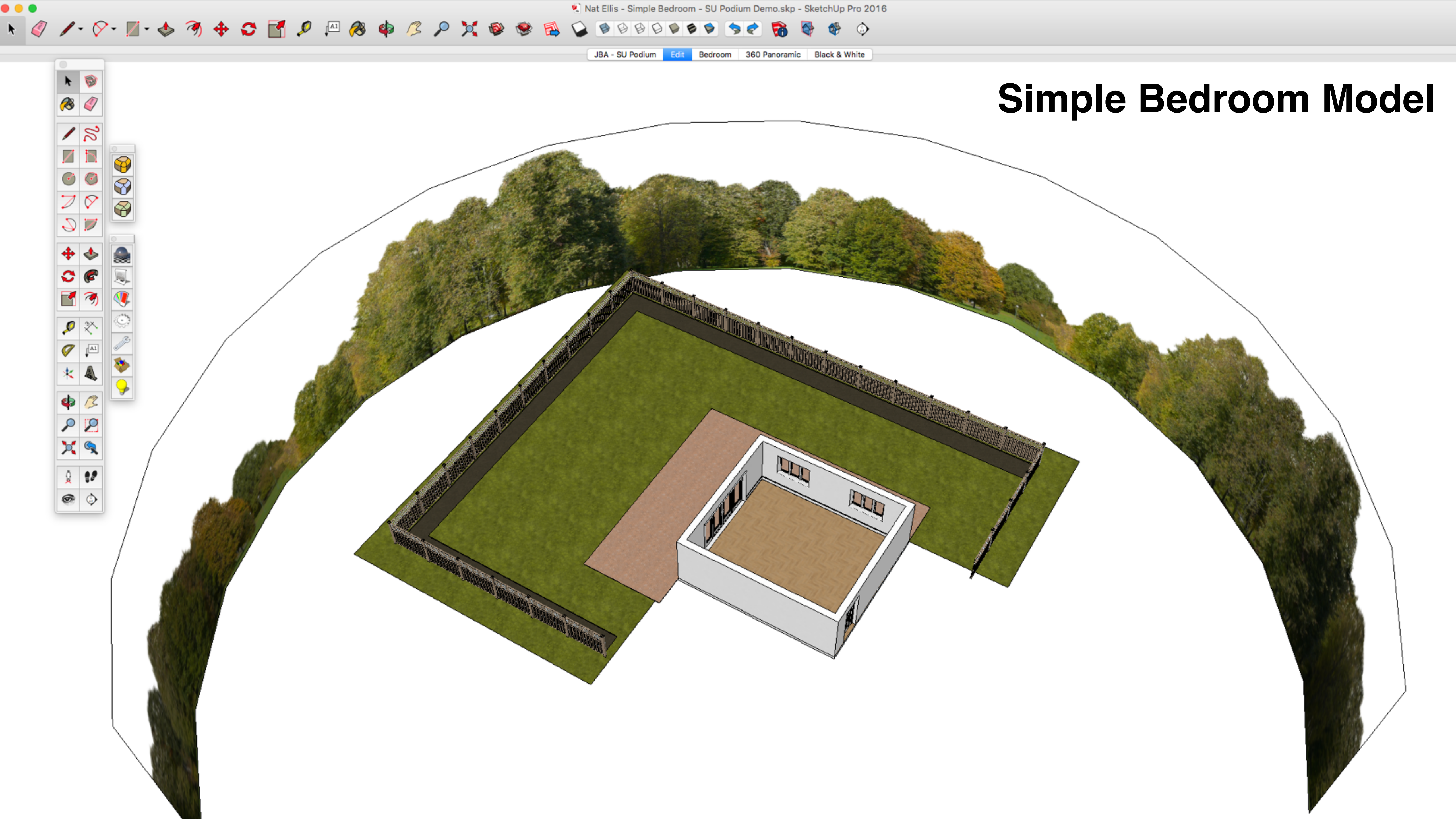
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360 Panoramic



Let me show you how to render a 360 Panoramic





Simple Bedroom Model

PART 3



**Lets use
Google Cardboard**



**Lets all now view some 360 Panoramic's
using Google Cardboard**

www.podiumpano.com



Any Questions?



Thank You

Nat Ellis

