Advanced Rendering in Fusion 360: Photorealistic, visual storytelling

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Autodesk / Rochester Institute of Technology

AUTODESK. UNIVERSITY

About Alex Lobos

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Class Description

This class covers how to achieve impressive, photo-realistic renderings in Fusion 360.

Topics include image composition, use of materials, lighting and environment effects.

Compelling renderings are a key tool for successful storytelling.

Learning Objectives

- Understand how to create clear and engaging renderings based in photography principles.
- Learn best practices for setting up materials, lighting, camera and environments.
- Take full advantage of Fusion 360’s intuitive rendering environment.
- Understand how renderings connect with audiences by telling visual stories.

Story is Everything

Elements of a good story

Intent

Model's preparation

Composition

Technical Setup

Elements of a good story

Intent

Composition and Lighting

Technical Setup

Intent

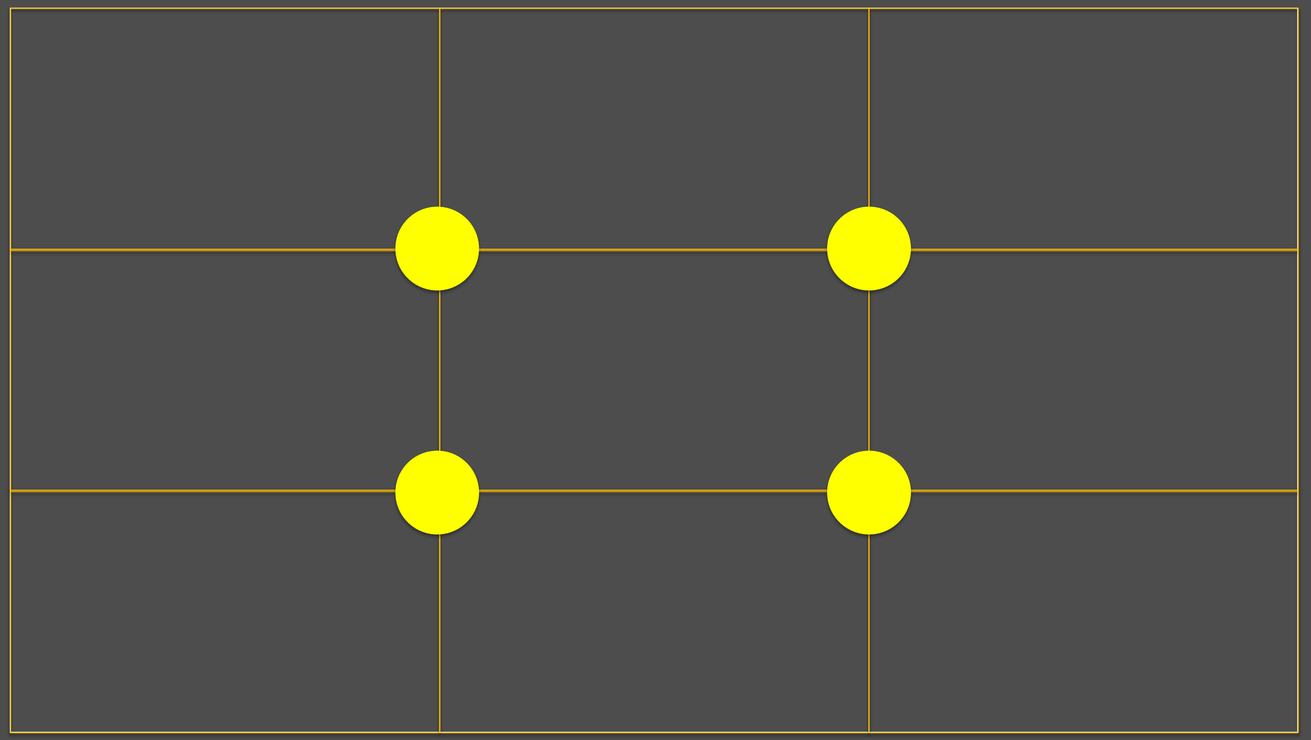
Intent > Technical

polydor

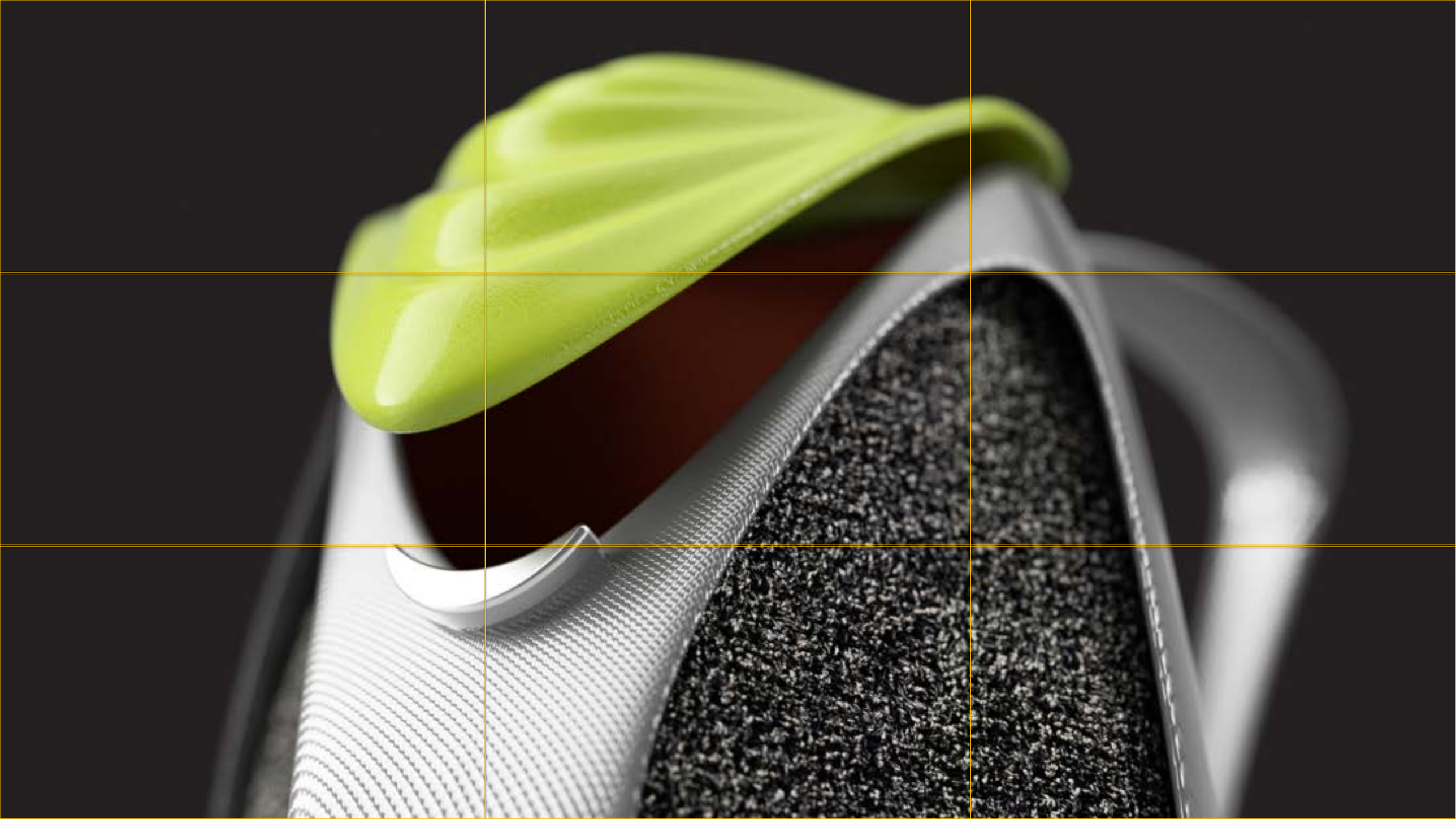
Intent > Emotional

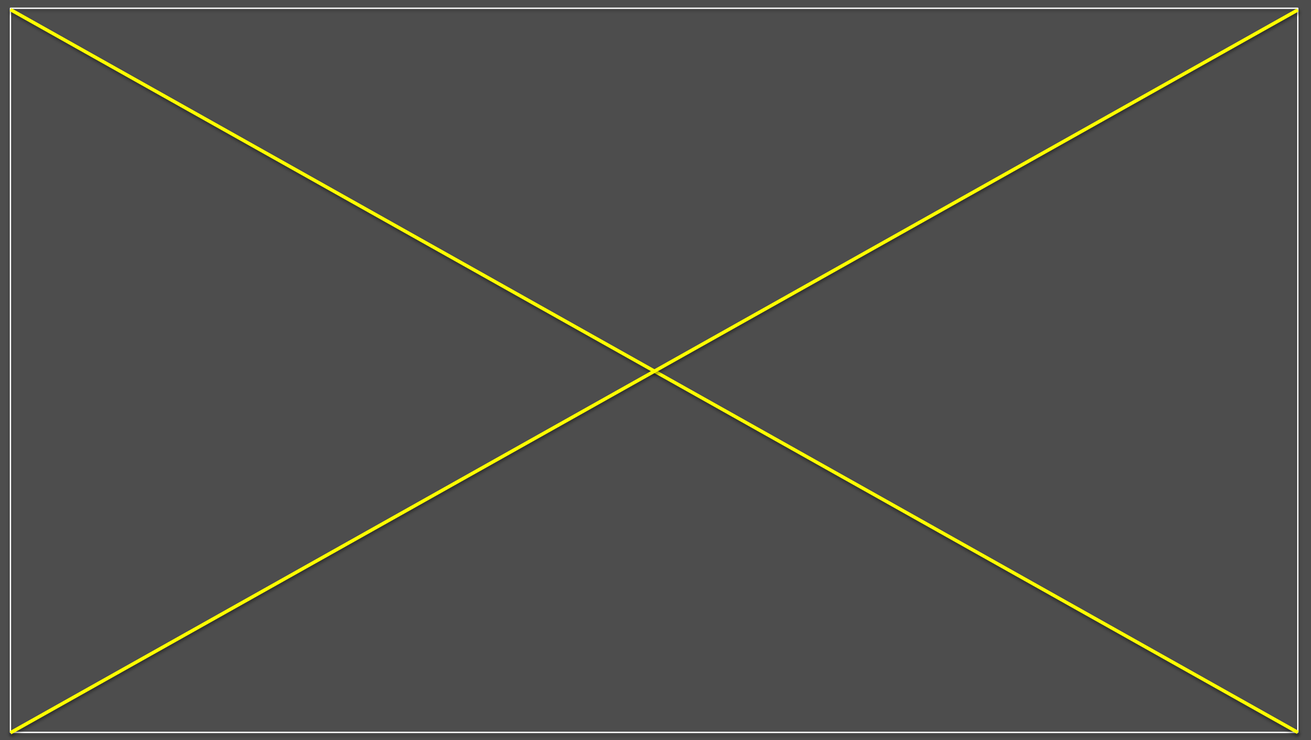
Polydor

Visual Composition

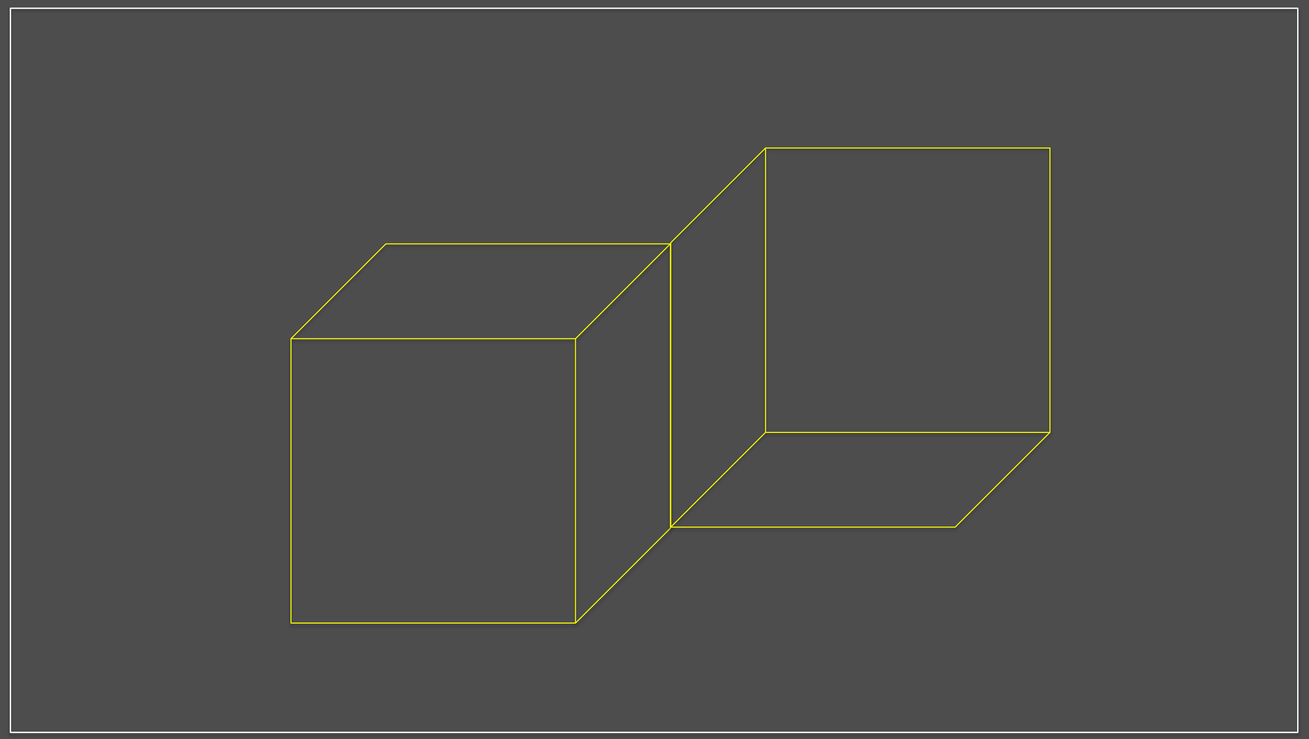


Rule of thirds

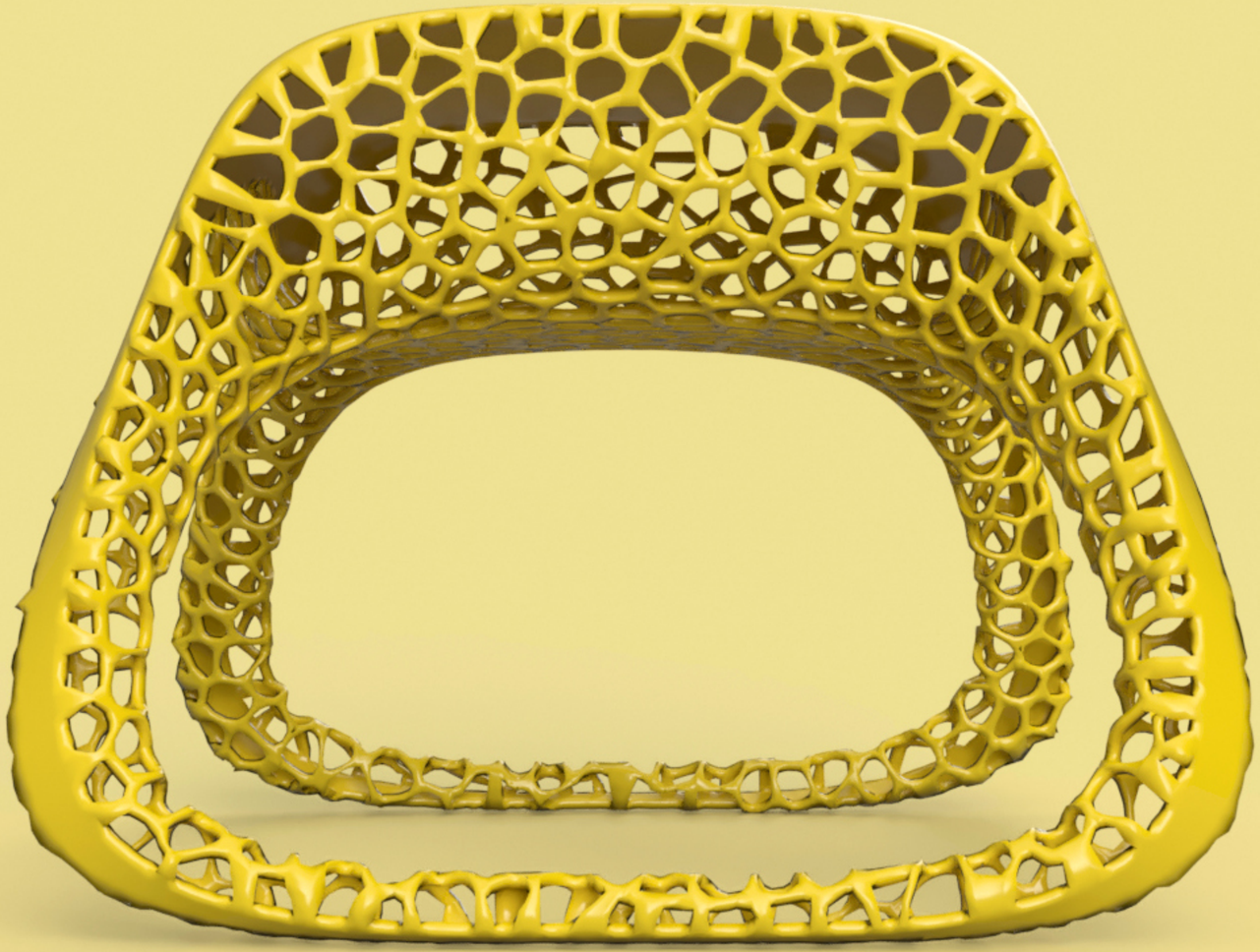


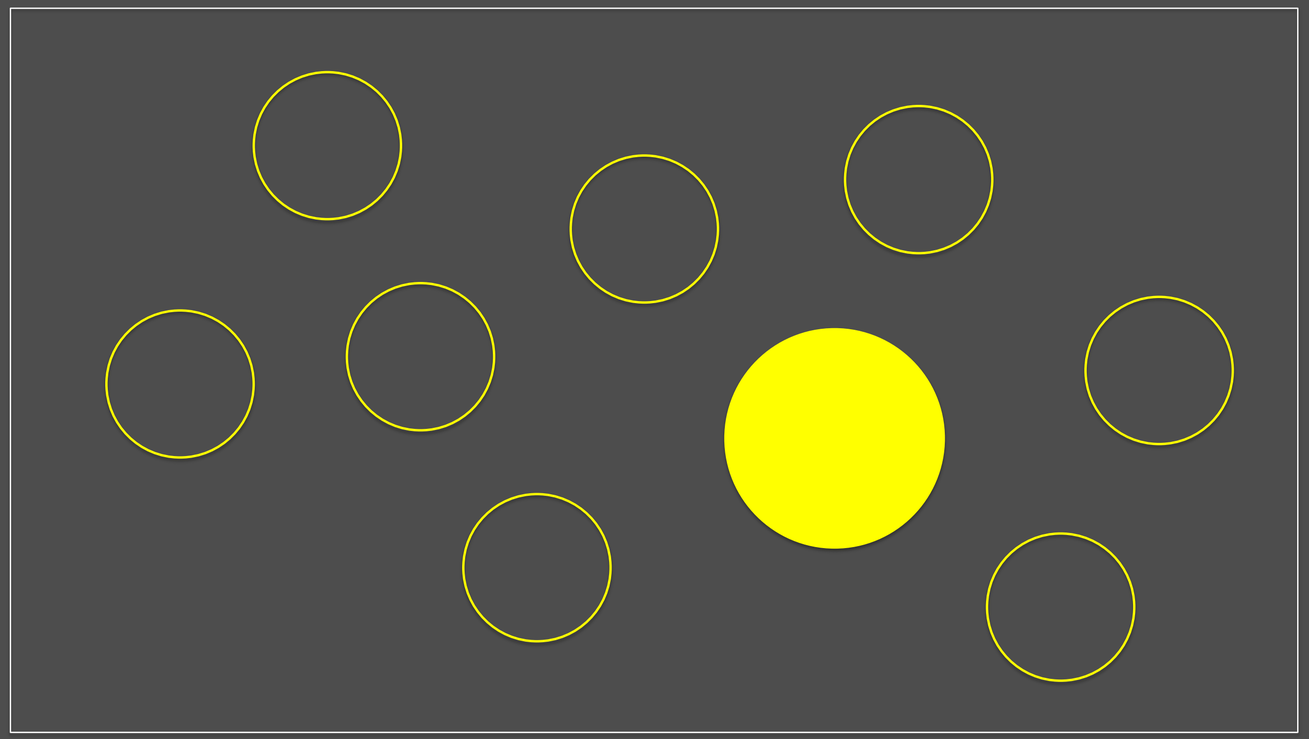


Diagonal Axis

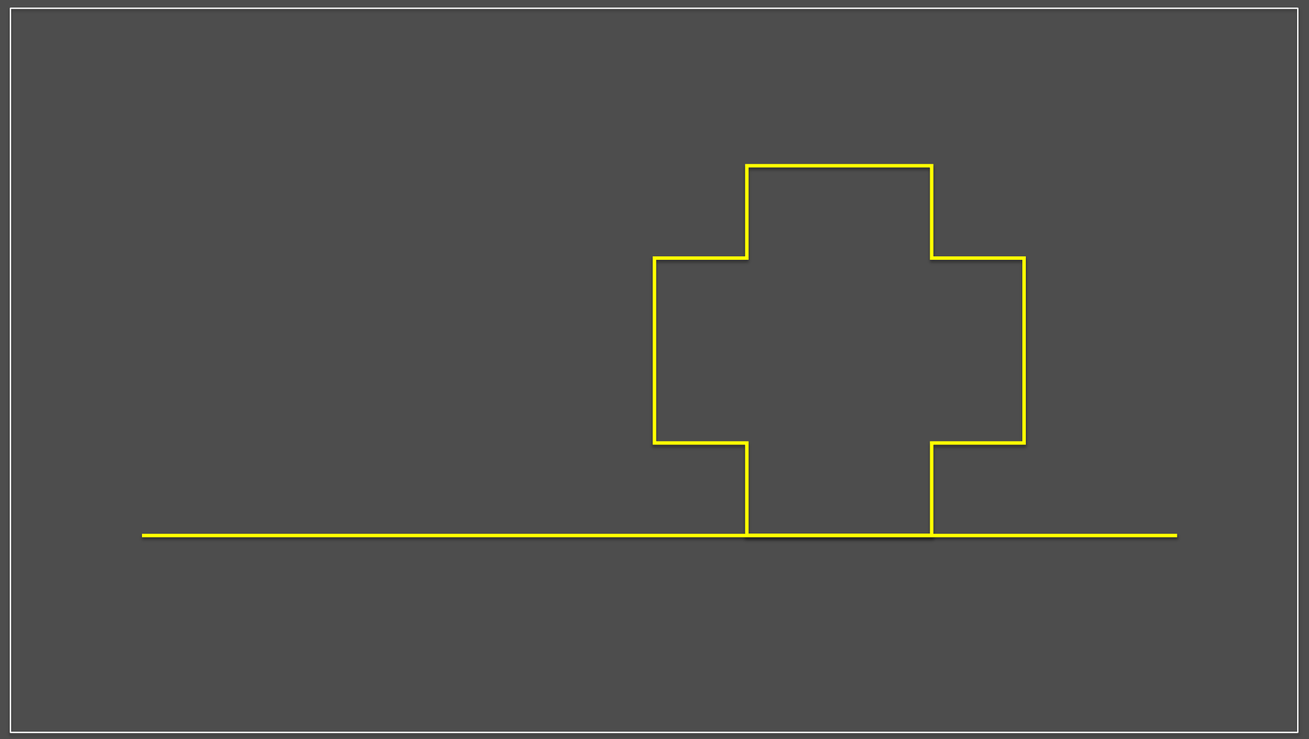


Symmetry / Asymmetry

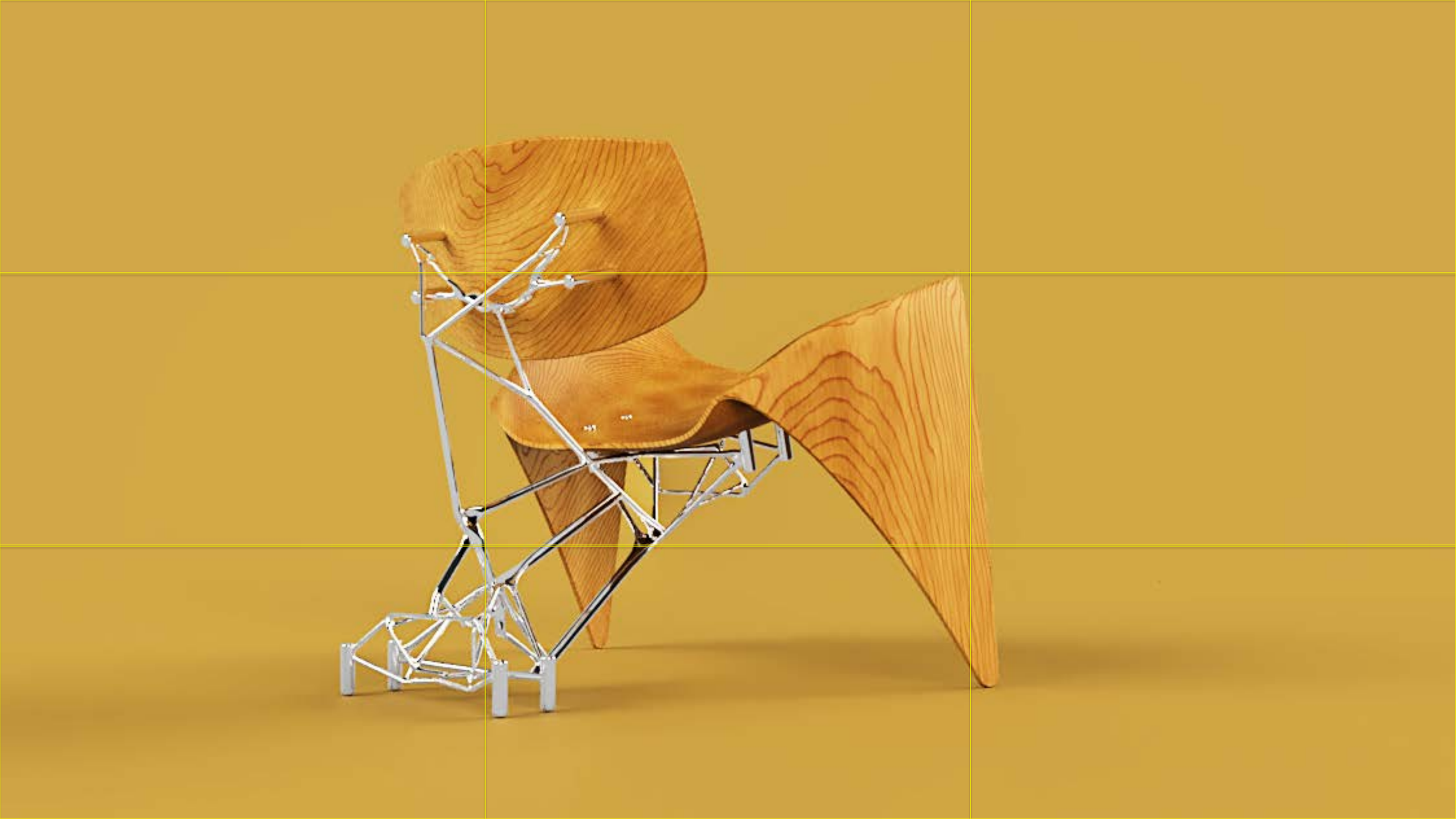


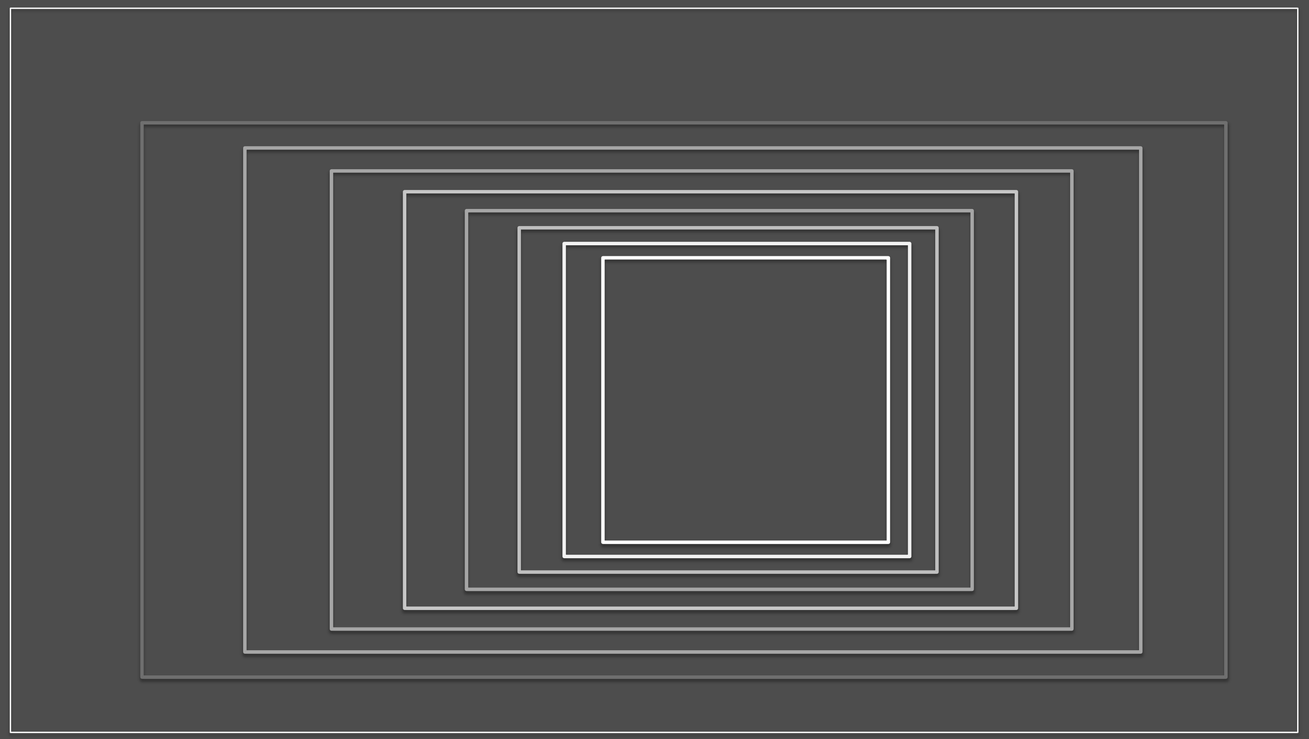


Focal Point

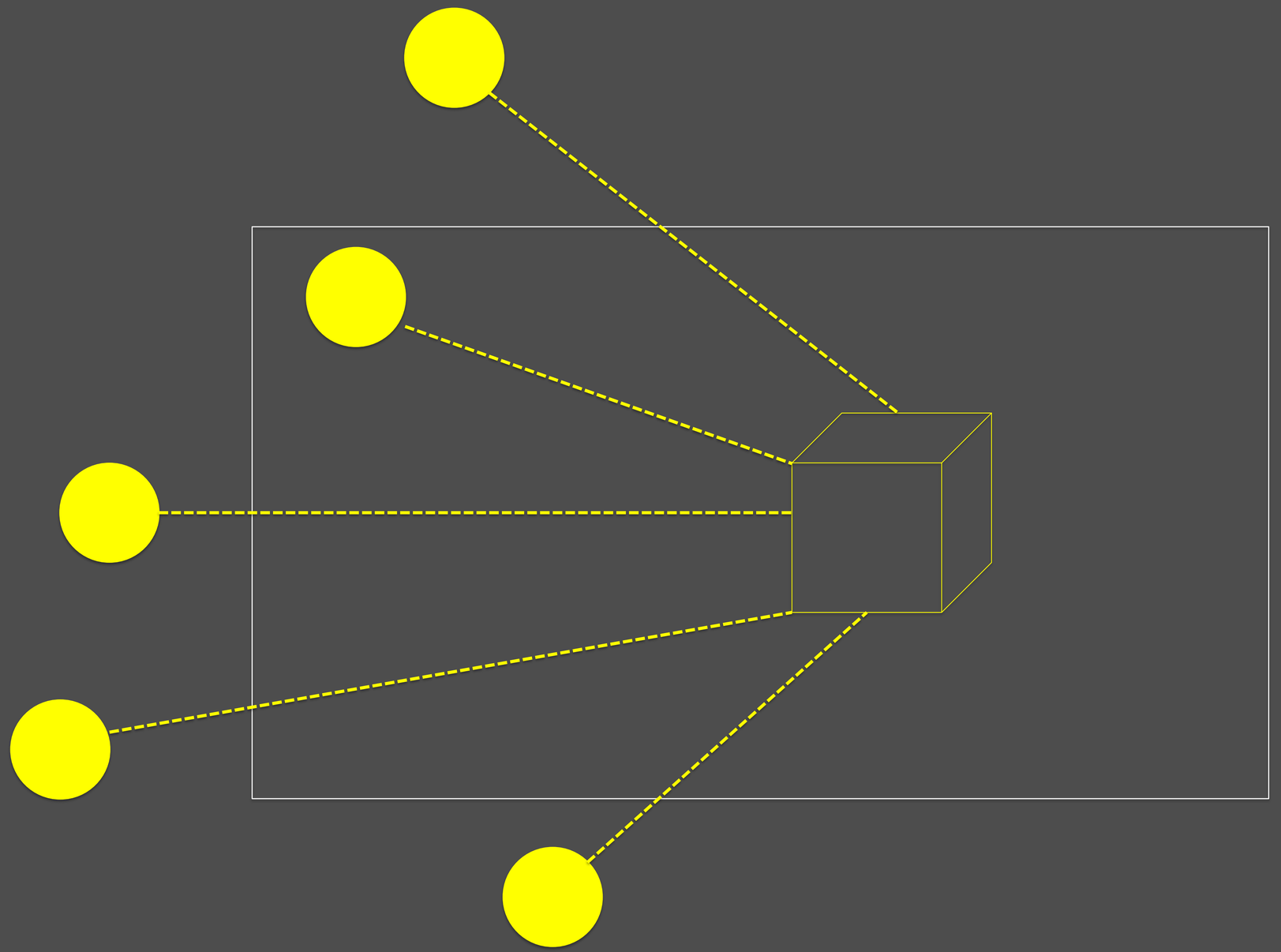


Negative Space

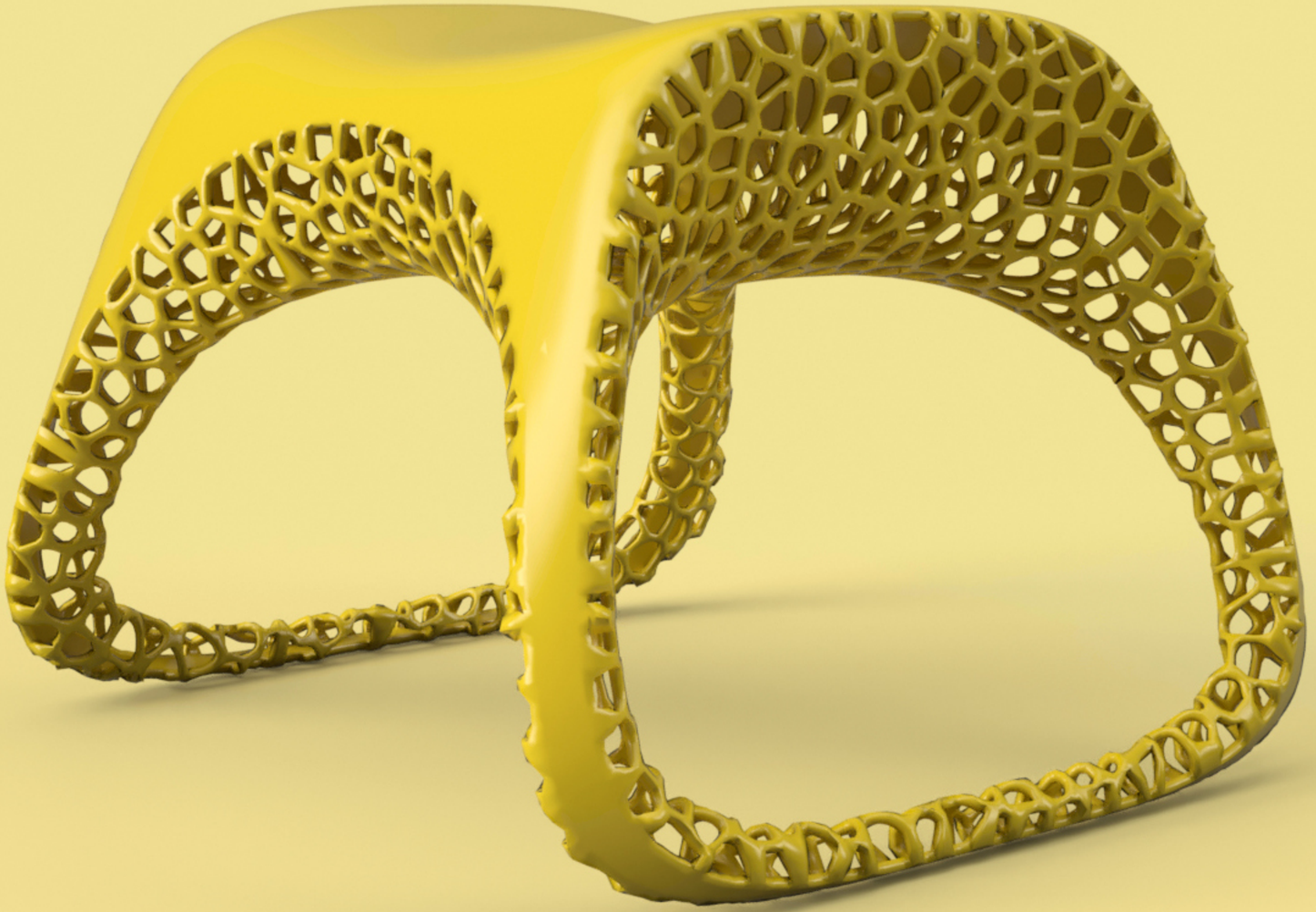


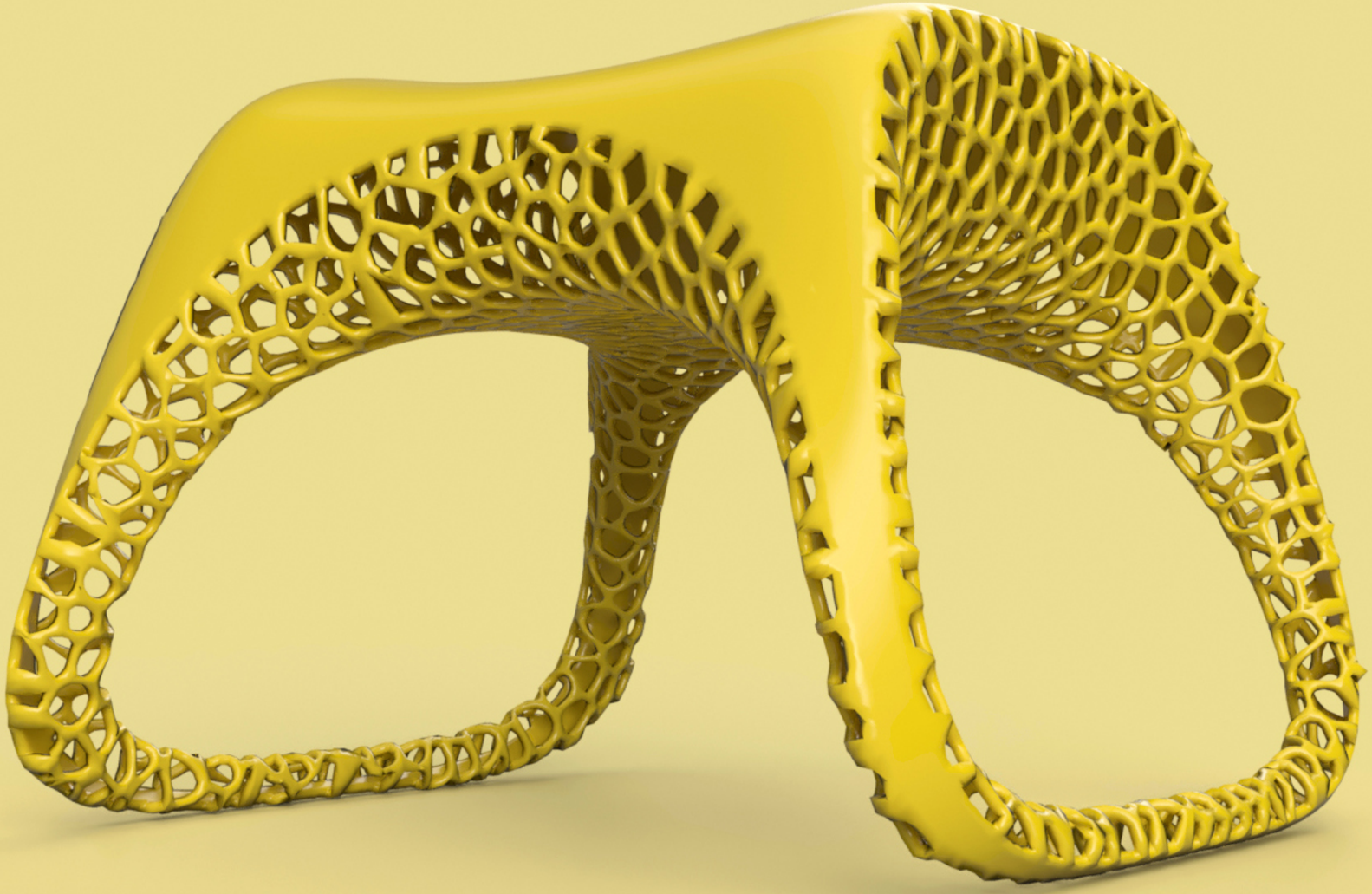


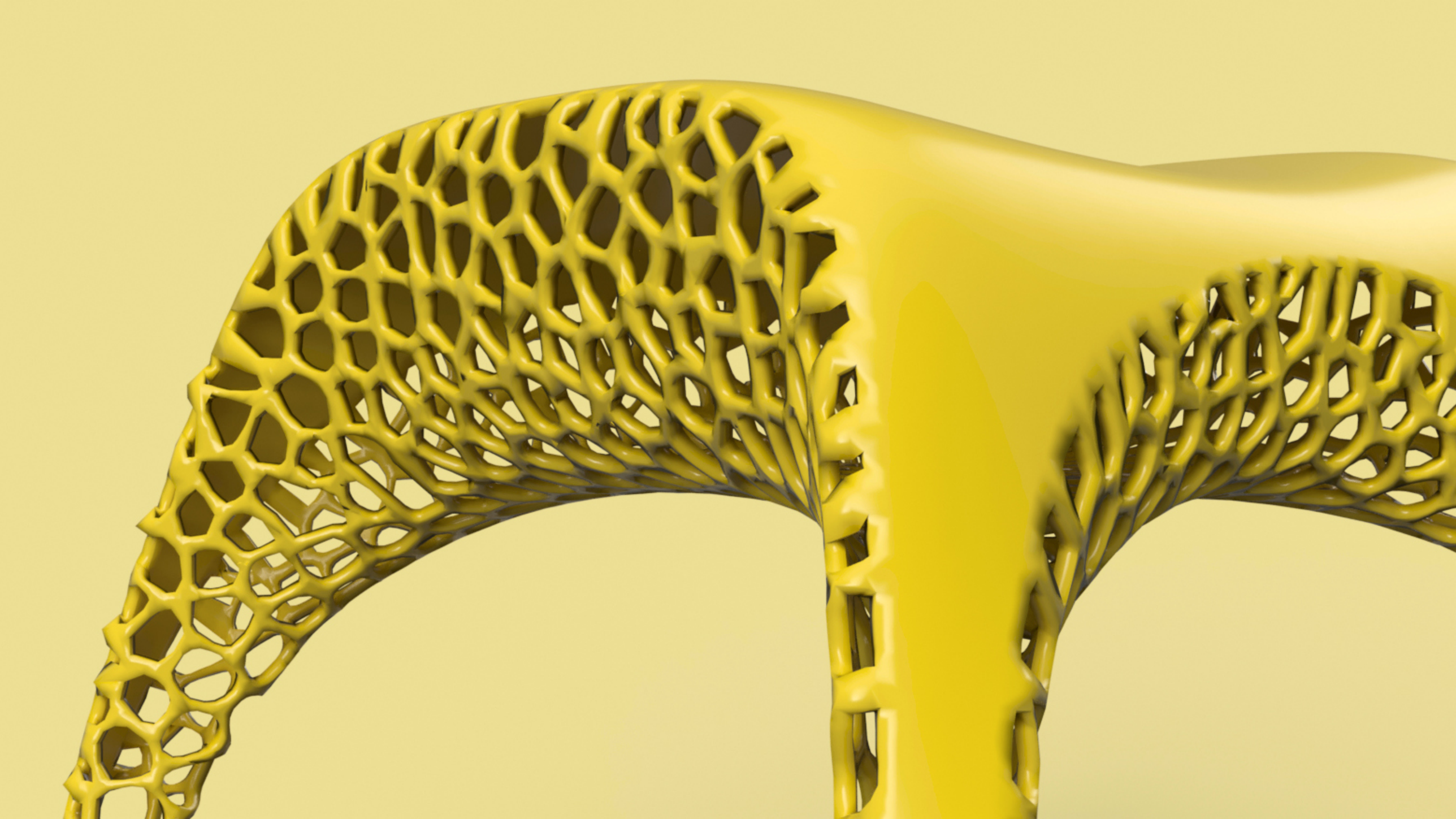
Depth of Field



Camera





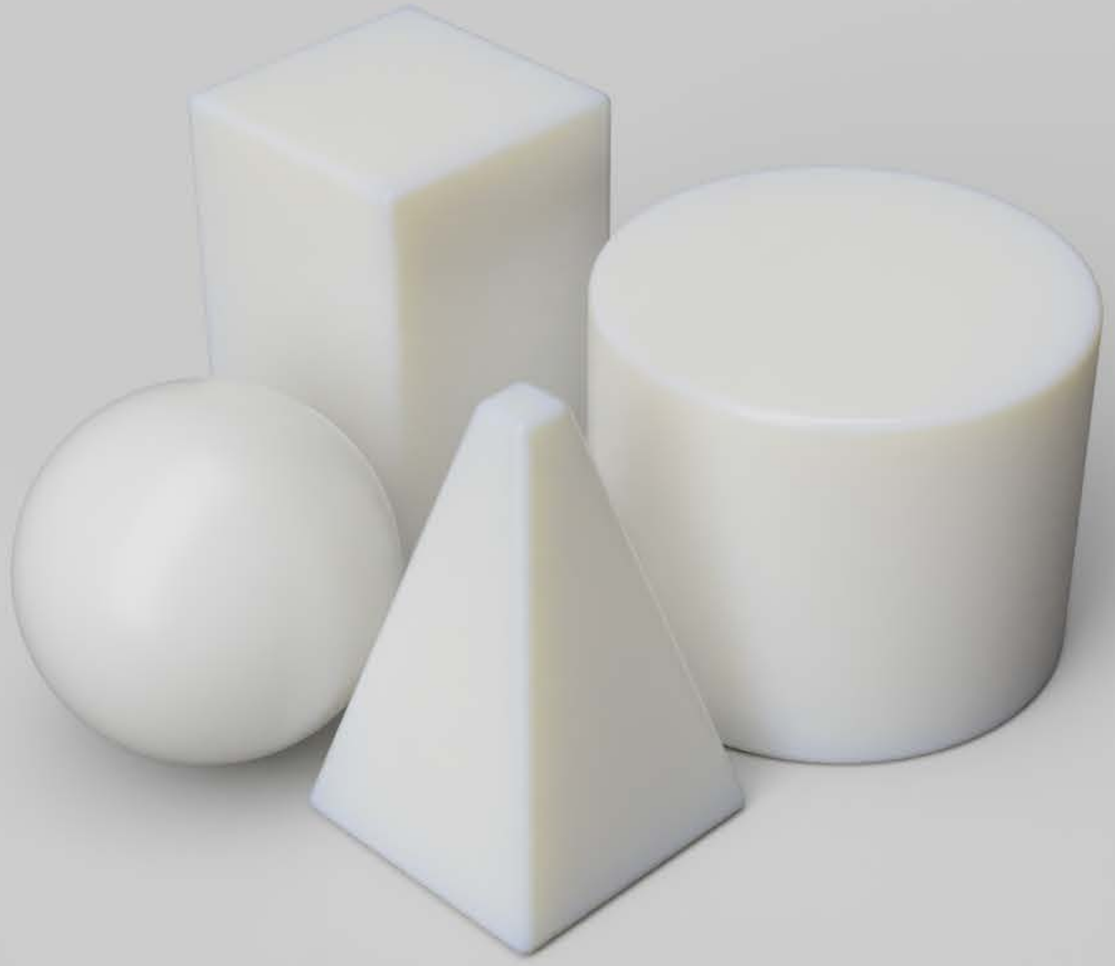


Lighting

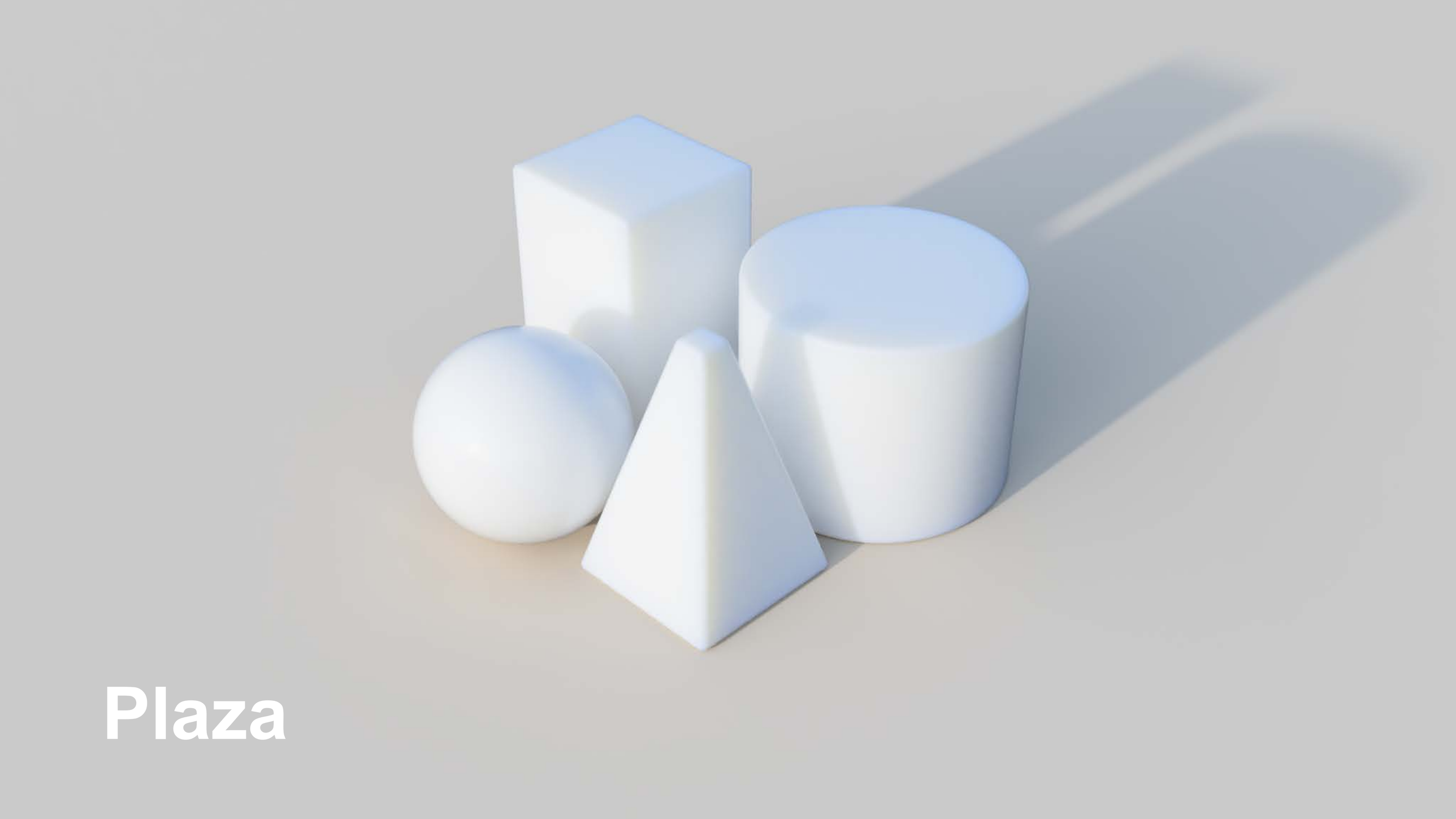
Lighting presets

Cool

Grid



Photobooth



Plaza

Rims

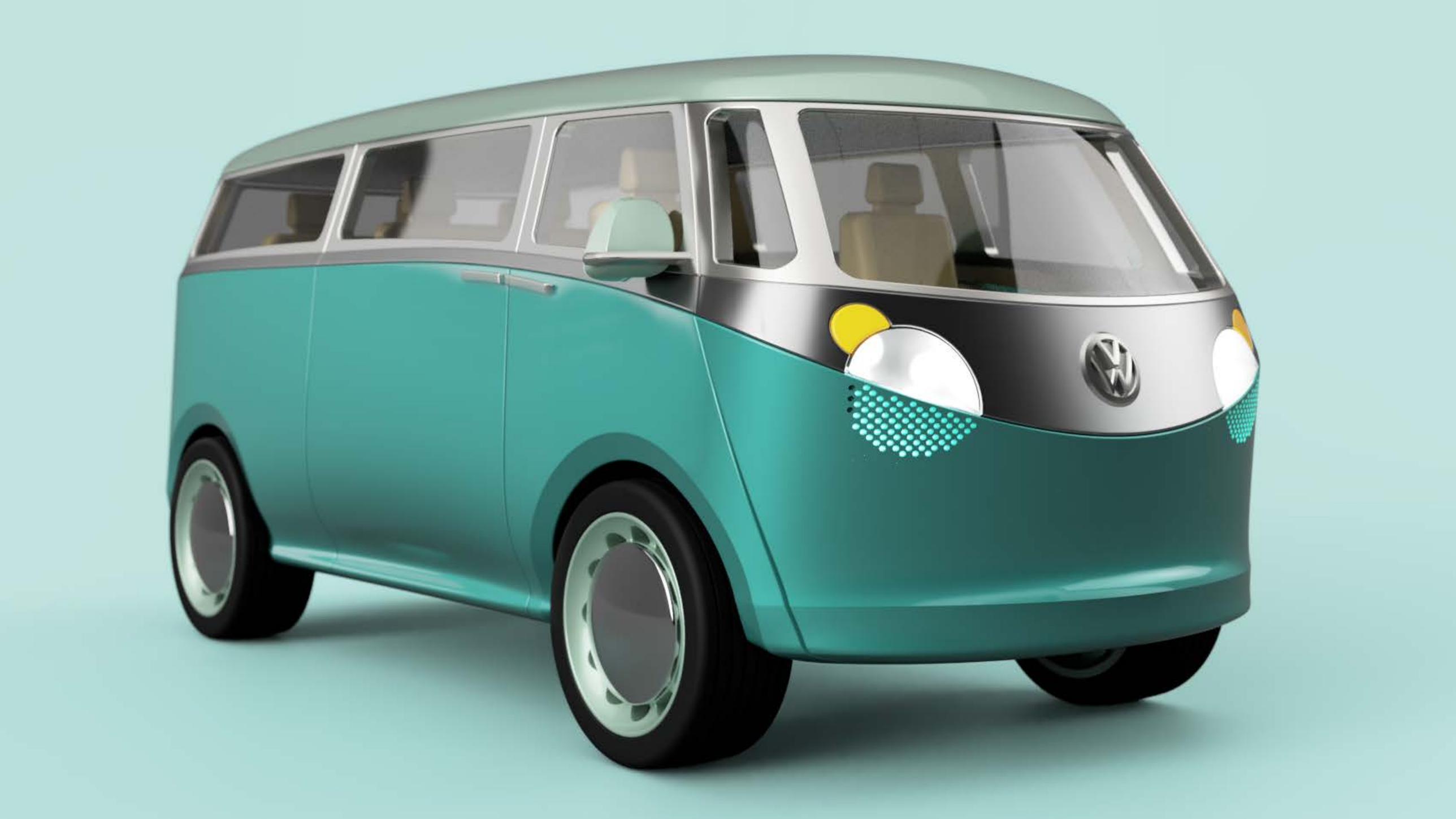
Sharp

Soft

Umbrella

Warm

Highlights



Shadows & backlight

Ground & reflections

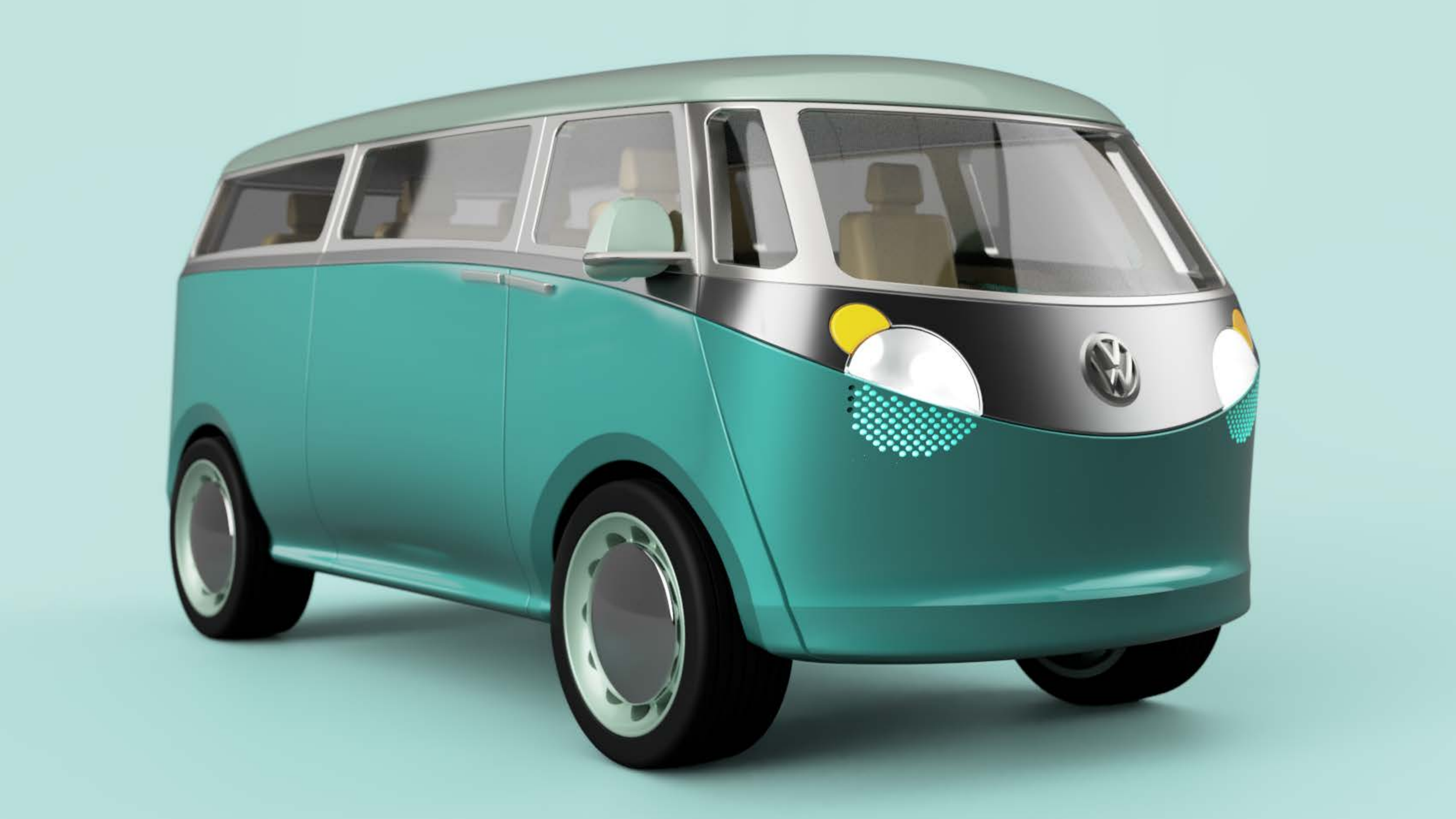
Technical Setup

AUTODESK® **FUSION 360™**

Key Tips

Story first

If the camera moves, the light moves

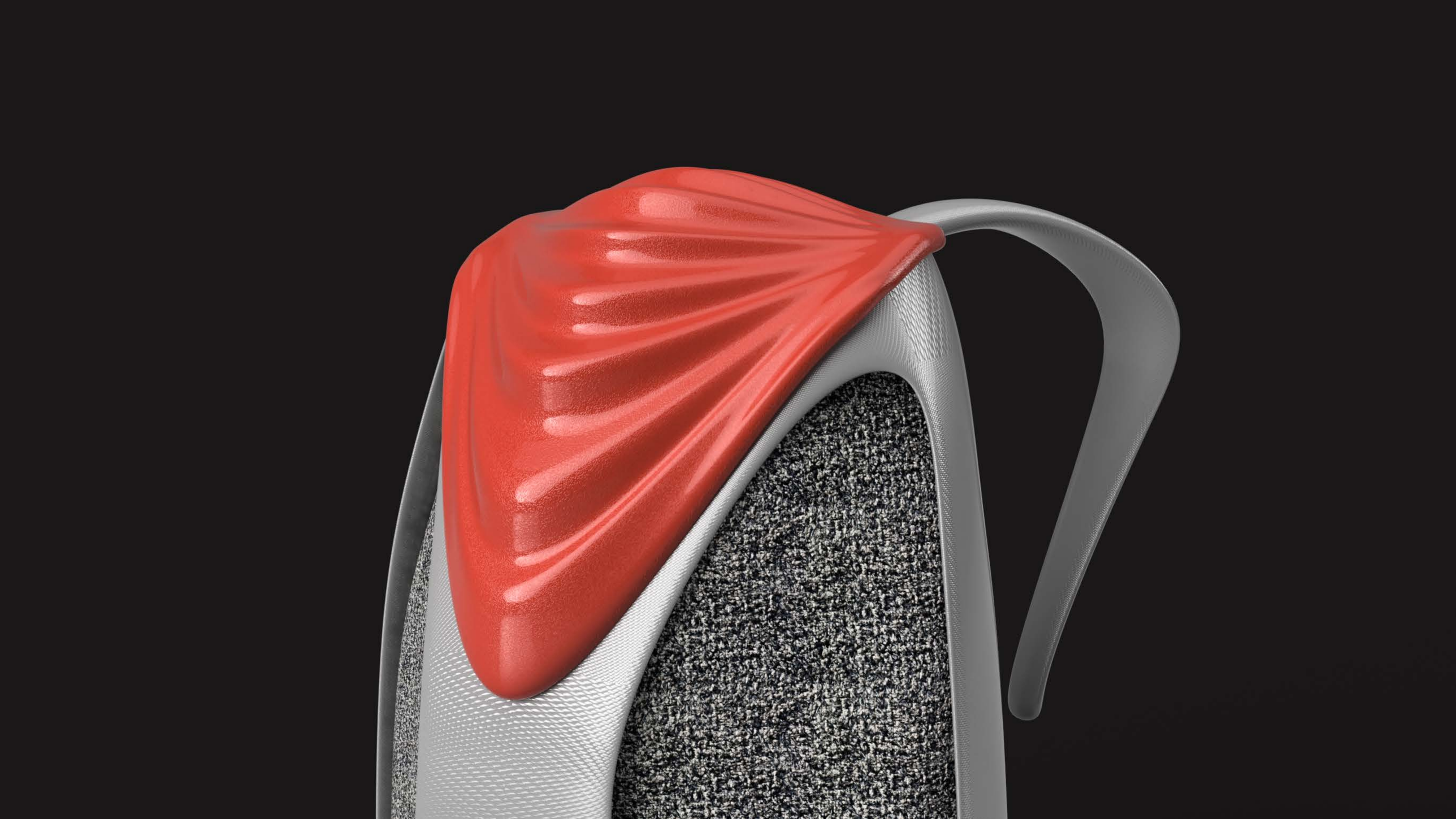


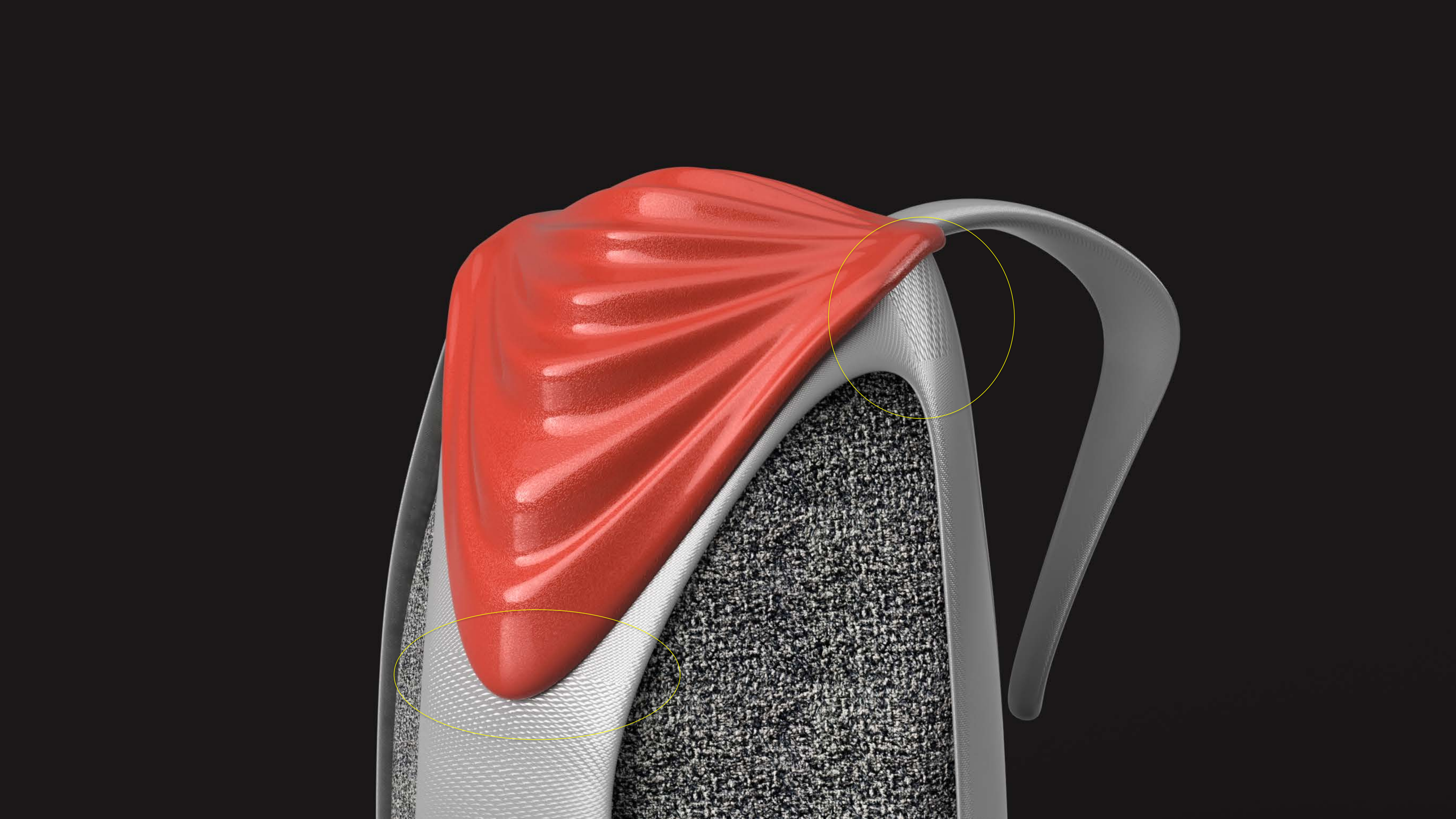
Shadows are as important as highlights

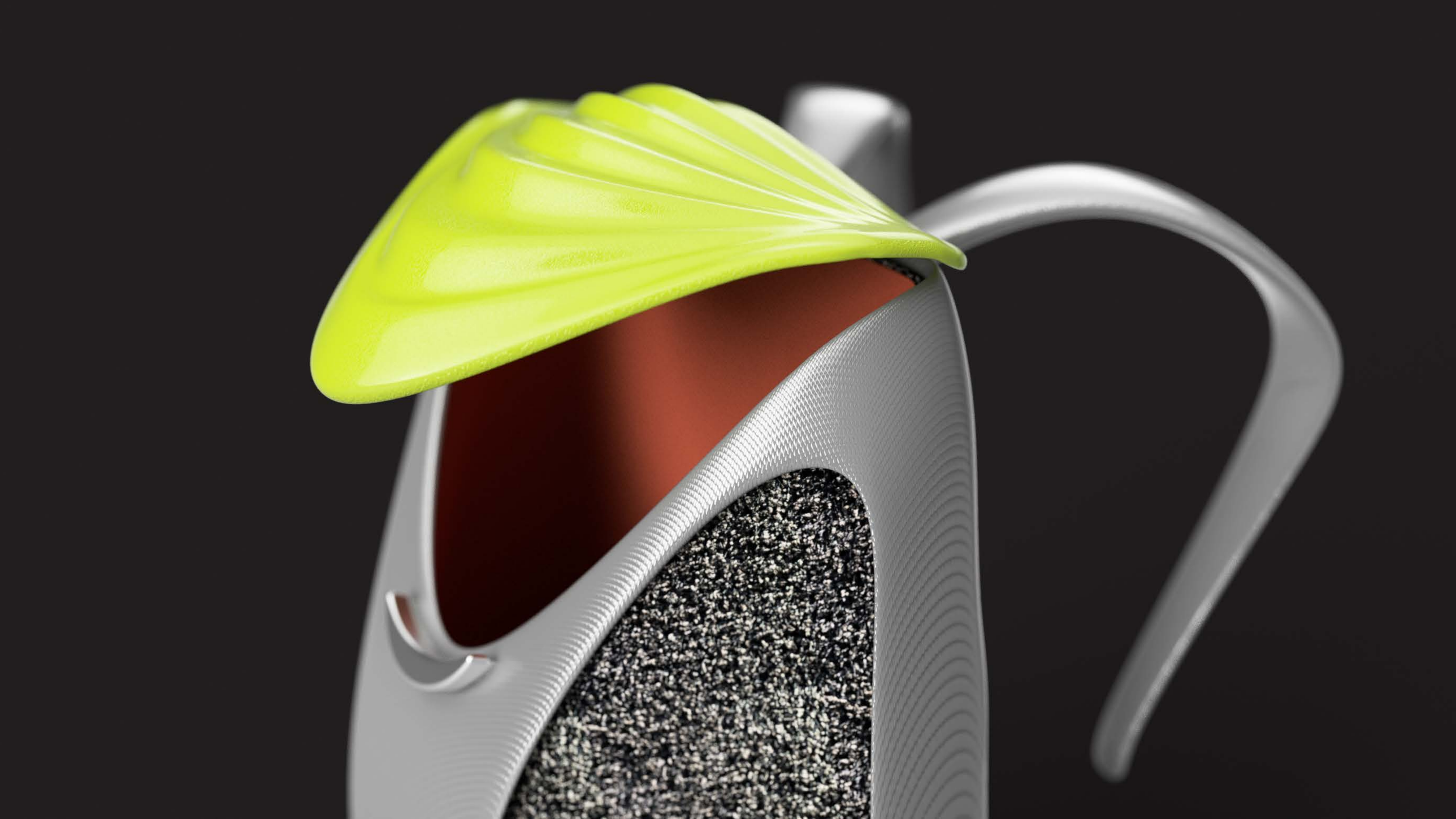
No raw edges

8124
NONE
2560
1920
AF
0.0

Check texture mapping







Let it simmer

Ver.1

Ver.30

Ver.47

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