



Assignment 3

Oscar Pérez Martín

TECHNIQUES IMPLEMENTED

SSAO

BLOOM

New perspective

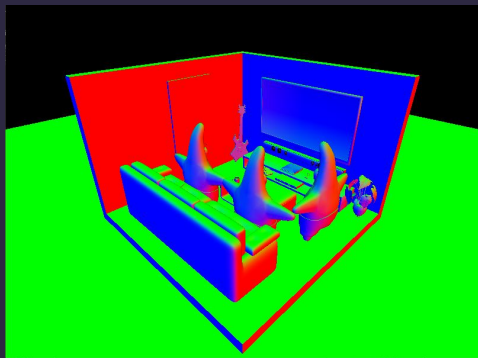
More knowledge



The image features a dark blue background with decorative geometric patterns in the top-left and bottom-right corners. These patterns consist of various shapes including rectangles, squares, and diamonds in shades of orange and pink, some with thin white outlines. The central text 'SSAO' is rendered in a bold, orange, sans-serif font.

SSAO

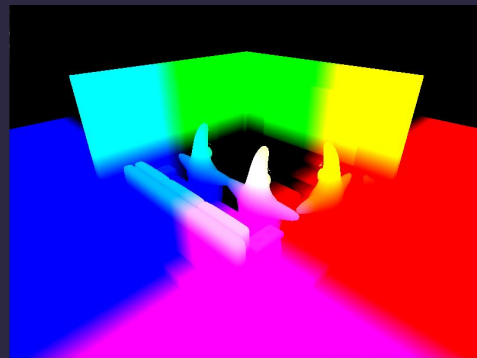
SSAO



World Normals



Screen-Space
Normals



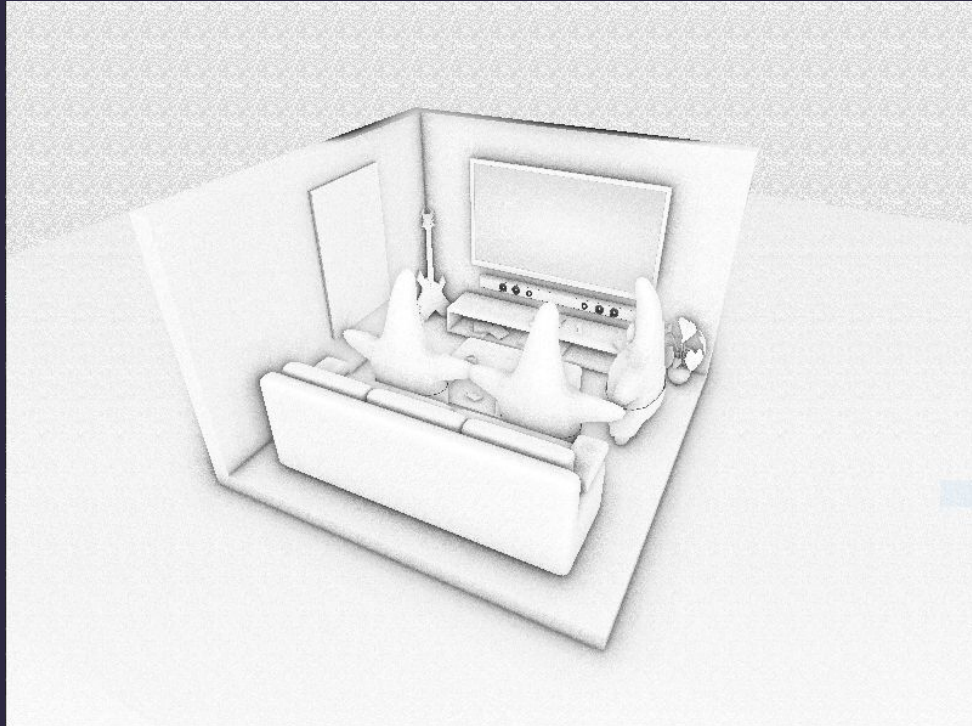
World Position



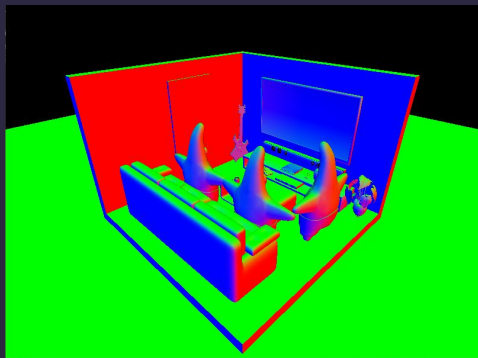
Screen-Space
Position



SSAOO



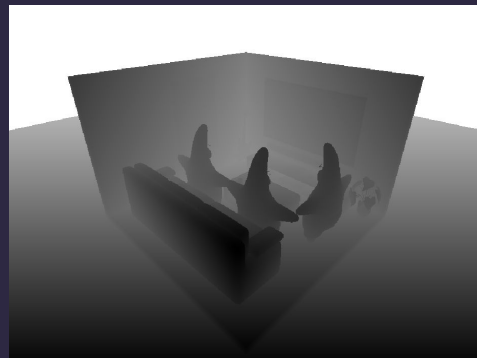
SSAO



World Normals



Screen-Space
Normals



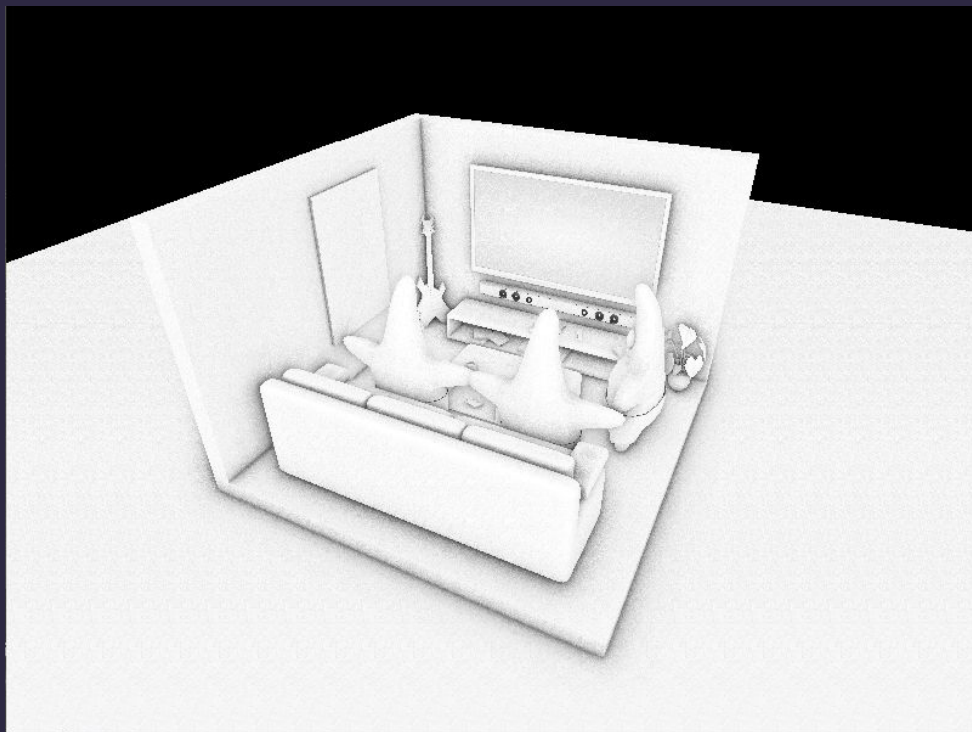
Non linear Depth



Linear Depth

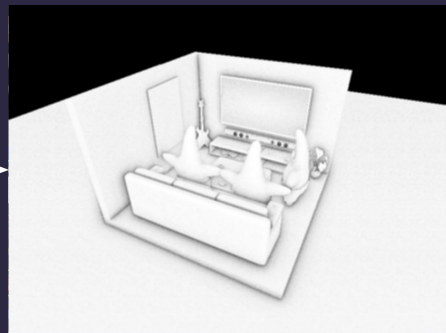
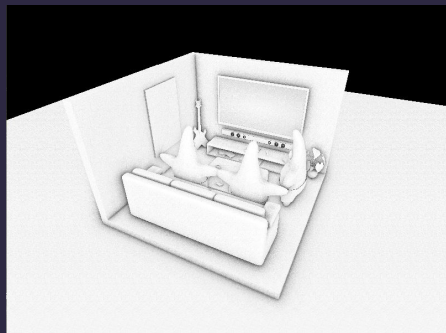


SSAO



SSAO

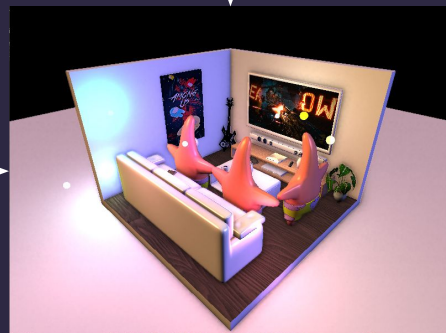
Only SSAO



Applied to render



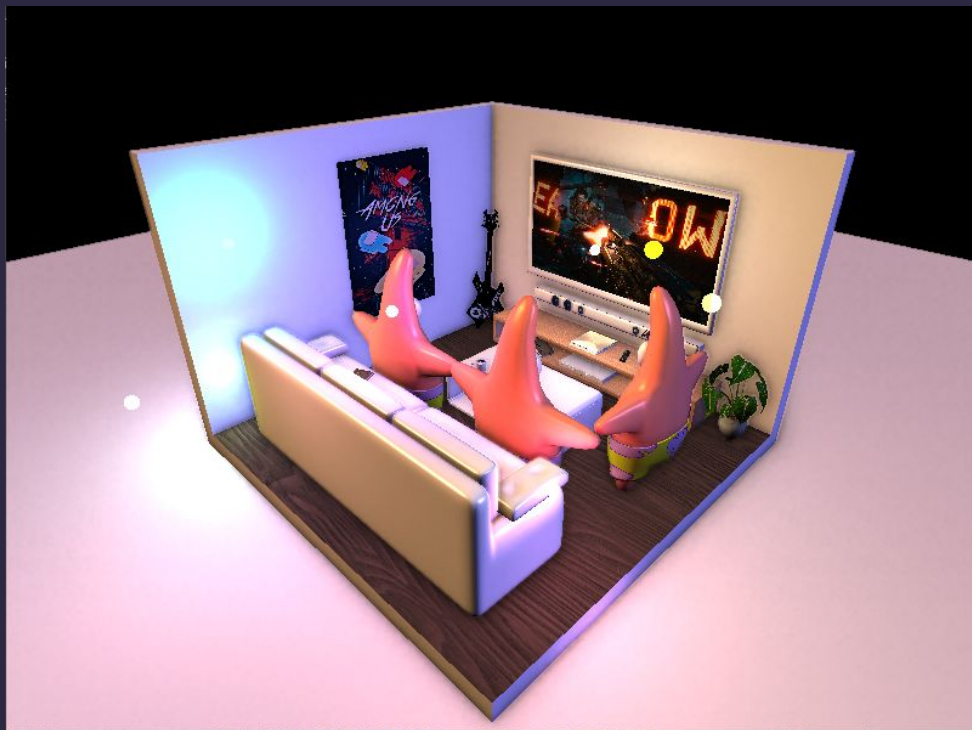
No blur



Blur

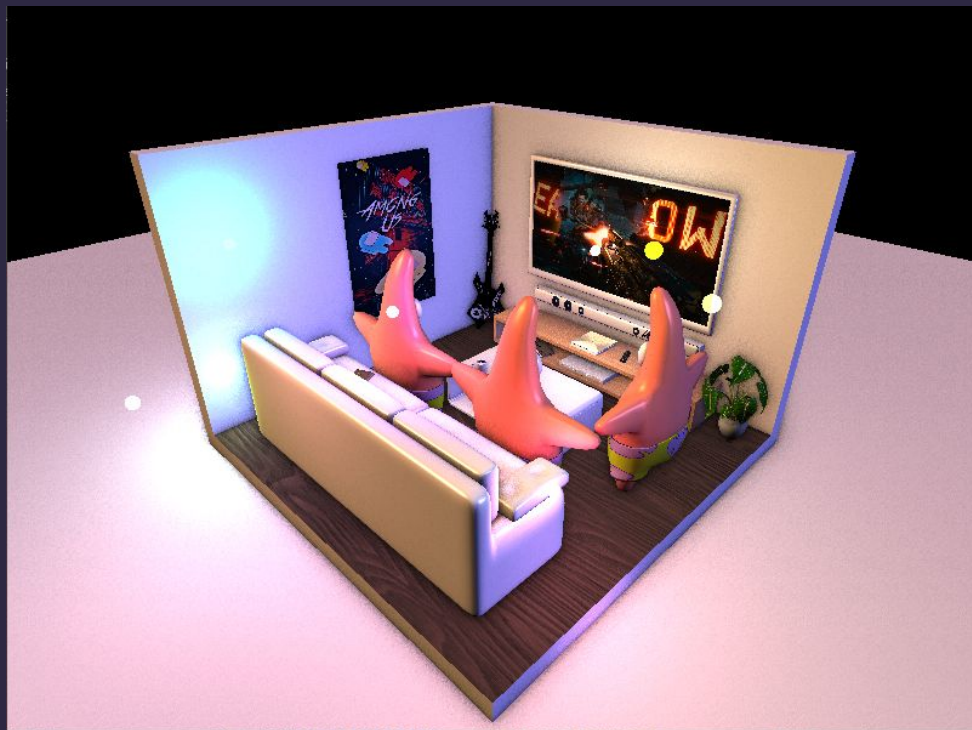


SSAO



Blur

SSAO



No blur



BLOOM

BLOOM



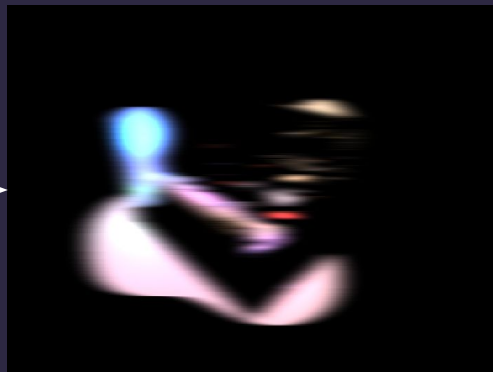
Base Render Color



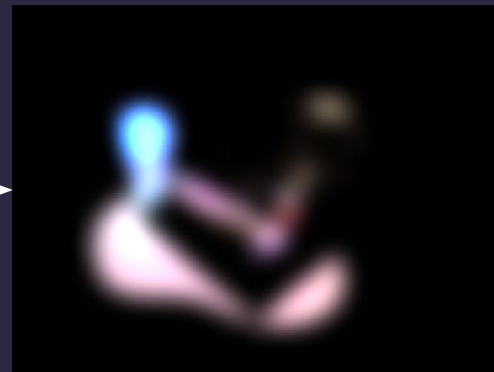
BLOOM



Extract brightest pixels



Horizontal Blur



Vertical Blur

...x5 LOD

BLOOM



CUSTOMIZATION

☒ SSAO

☒ Blur

2

BlurAmount

1.000

KernelRadius

0.000

SSAO Bias

☒ Bloom

1.000

Threshold

0.025

LOD 0

0.069

LOD 1

0.141

LOD 2

0.238

LOD 3

0.365

LOD 4

RESULTS



Before

RESULTS



After (SSAO + BLOOM)



THANKS!

Do you have any questions?