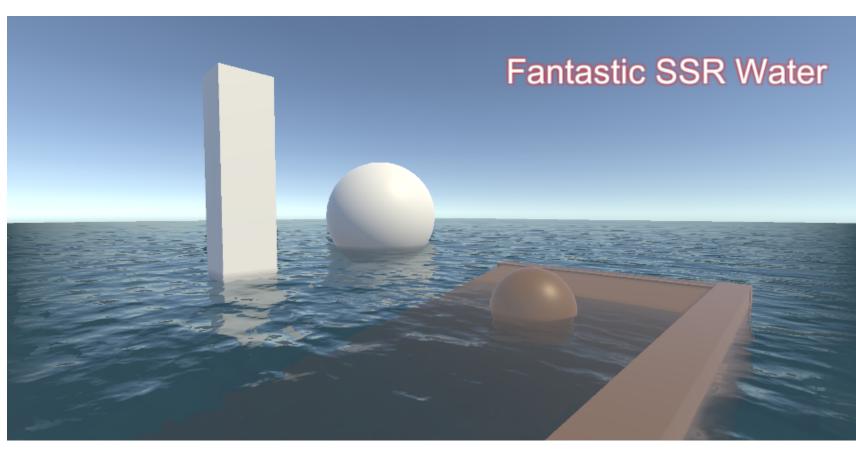
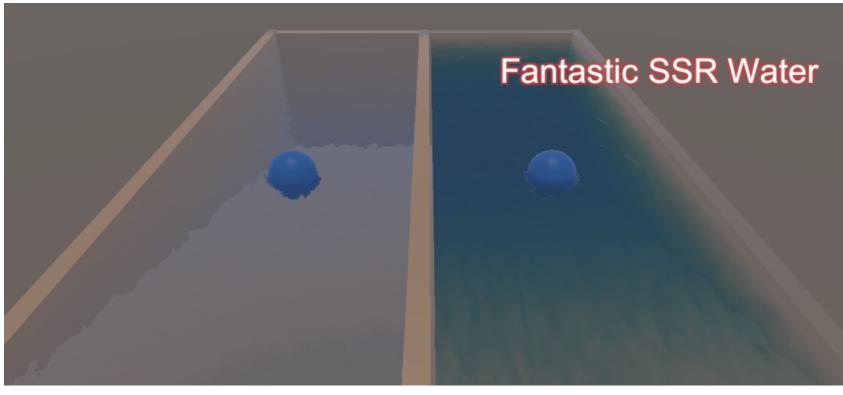
印象笔记 业 下载印象笔记 Fantastic SSR Water

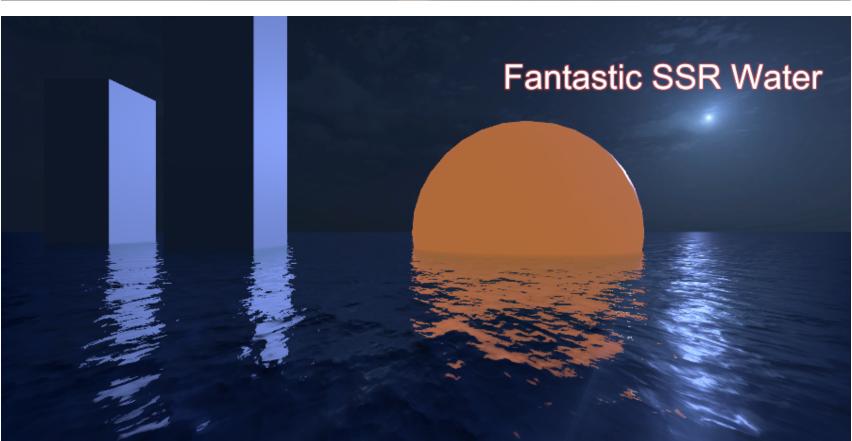
Fantastic SSR Water

Fantastic SSR Water









<u>Youtube</u>

Features

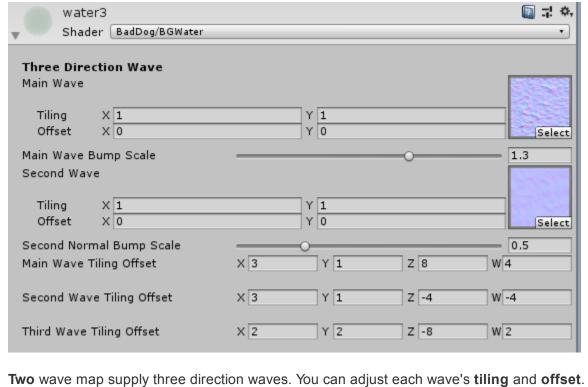
- Realistic three direction waves.
- Customized clean and muddy. • PBR lighting with screen space reflection.
- Realistic refraction.
- Forward SSR and Mobile ready.

How to use

- SSR water need **camera depth texture**, so you should enable depth mode or just add **"CameraDepthToggle"** component to you r main camera.
- Assign "BadDog/BGWater" shader to your water material, then assgin the material to your water plane. • Adjust material parameters, and that's all.

Shader properties

Wave Section



Water Base Color

Water Water Base Color

It's computed as diffuse color. Water Muddy and Depth

Muddy Water Muddy Color Water Muddy Scale Water Depth Offset 0.1

Water can be **clean** or **muddy**. Clean water is more transparent than muddy water.

Water's transparency is computed by **depth**.

Refraction

Enviroment Reflection

Depth is computed by **muddy scale** and camera's **view direciton**, you can also add a **depth offset** to adjust the final transparency. Specular

Specular Specular Intensity

Specular is computed by **simplified BRDF** formula, specular color is **(0.04, 0.04, 0.04)**, you can adjust it's intensity for some special p urpose.

Refraction Distort Scale

举报

Refaction needs Unity's **grab pass**. GrabTexture's uv is distorted by wave normal, and you can adjust the final **distort scale**. IBL and SSR

0.4 Enviroment Intensity Screen Space Reflection Screen Space Reflection SSR Sample Step - 16 SSR Intensity Unity's reflection probe is used for **IBL**, but it's not enough.

If you need a realistic realtime reflection, you should enable screen space reflection. IBL and SSR are **mixed** for the final environment lighting.

SSR **Sample Count** is performance sensitive. For mobile device, max sample count use 8 and sample step use 20 is good enough.

The final water color is mixed by reflection and refraction.

About the examples

There are three example scenes, show you how to adjust the shader's properties.

 testSSR • IBL + SSR + Refraction

Final

- testLighting • IBL + SSR + Specular
- testDepthAndMuddy
- Depth + Muddy

Customer Support: