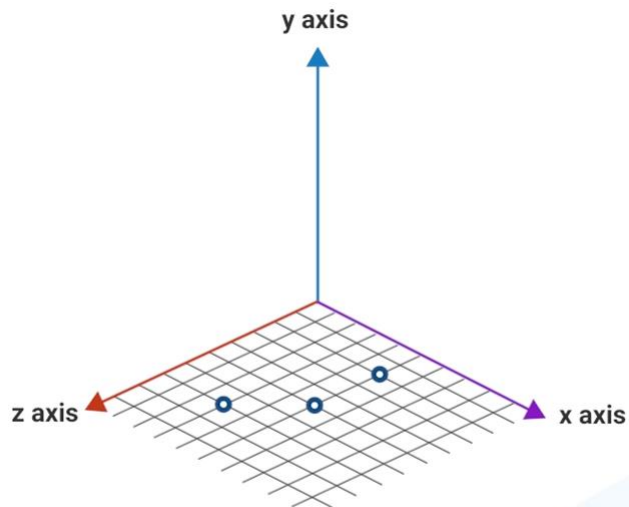


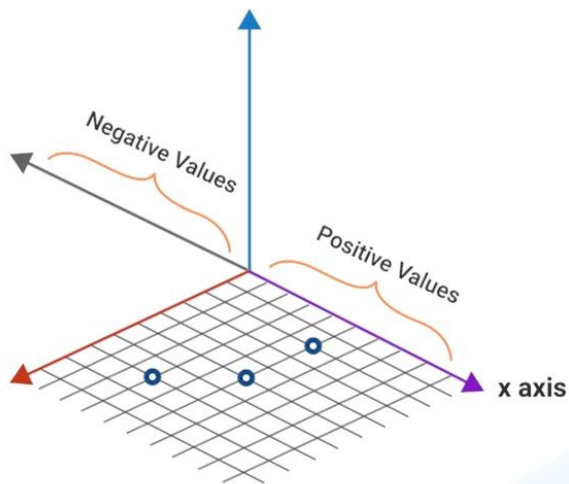


Basic to Advanced Techniques

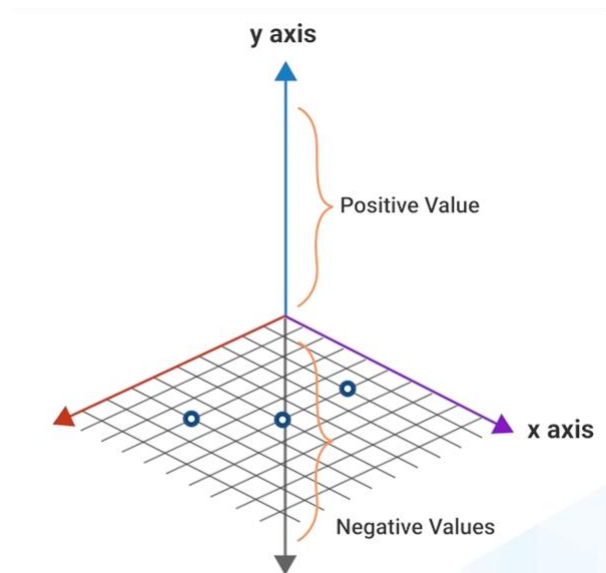
How Does 3D work?



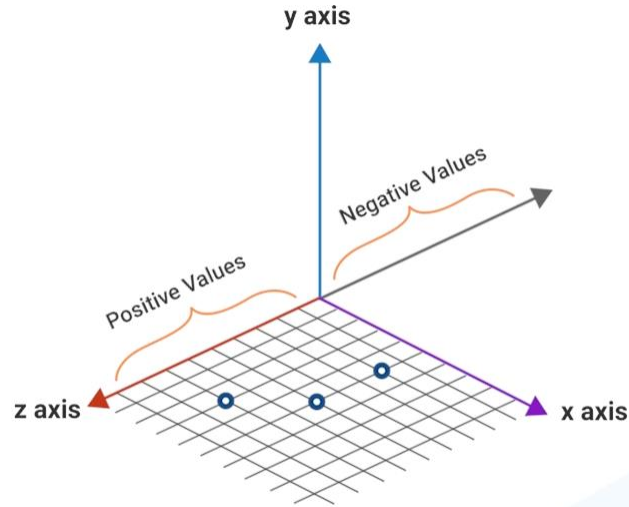
How Does 3D work?



How Does 3D work?

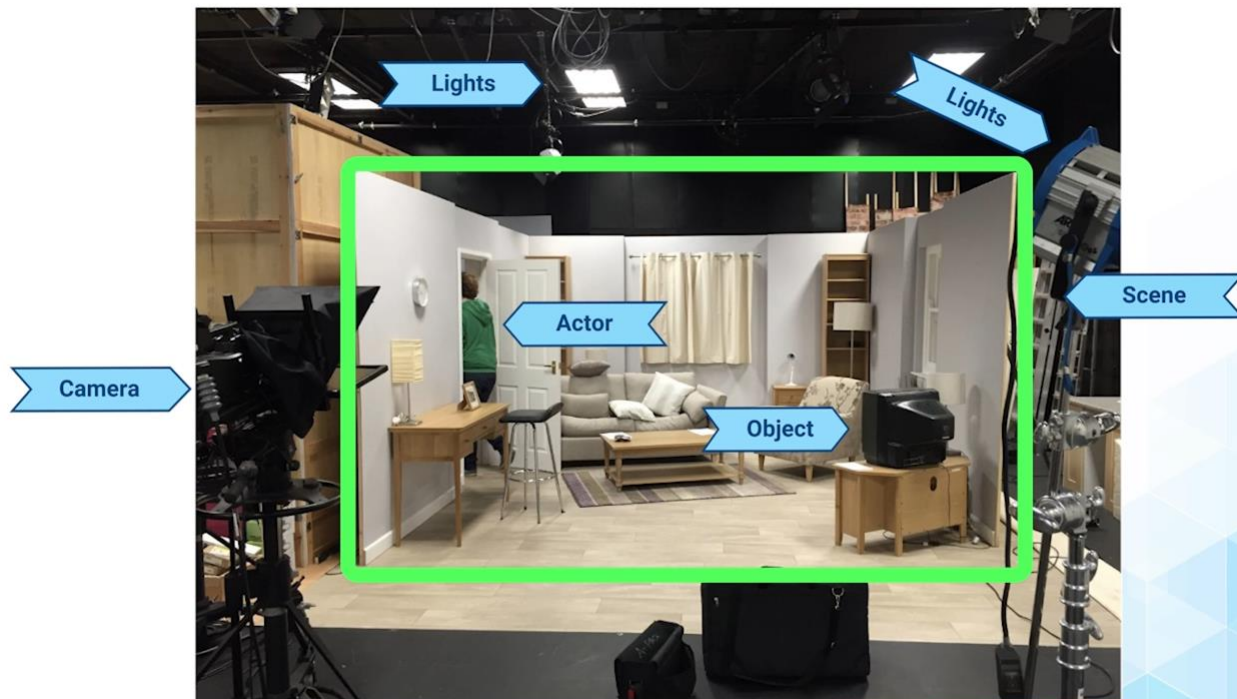


How Does 3D work?

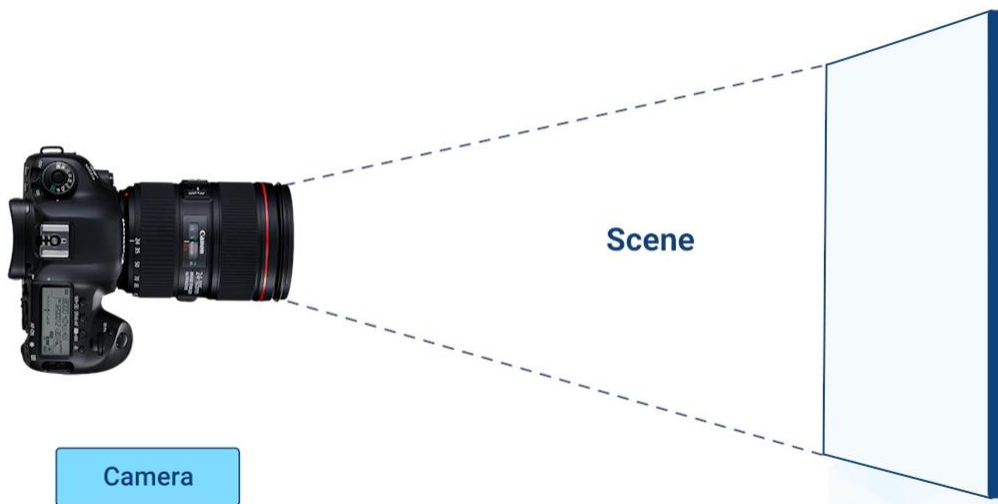


Placing elements on the HTML canvas and Three.js

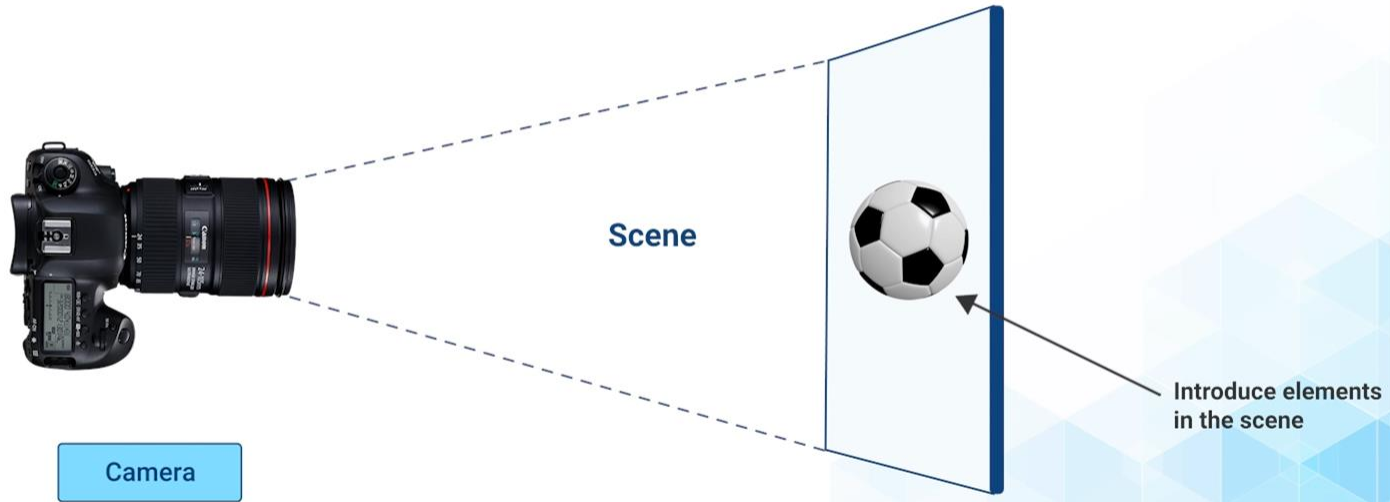
Placing elements on the Canvas



Placing elements on the Canvas



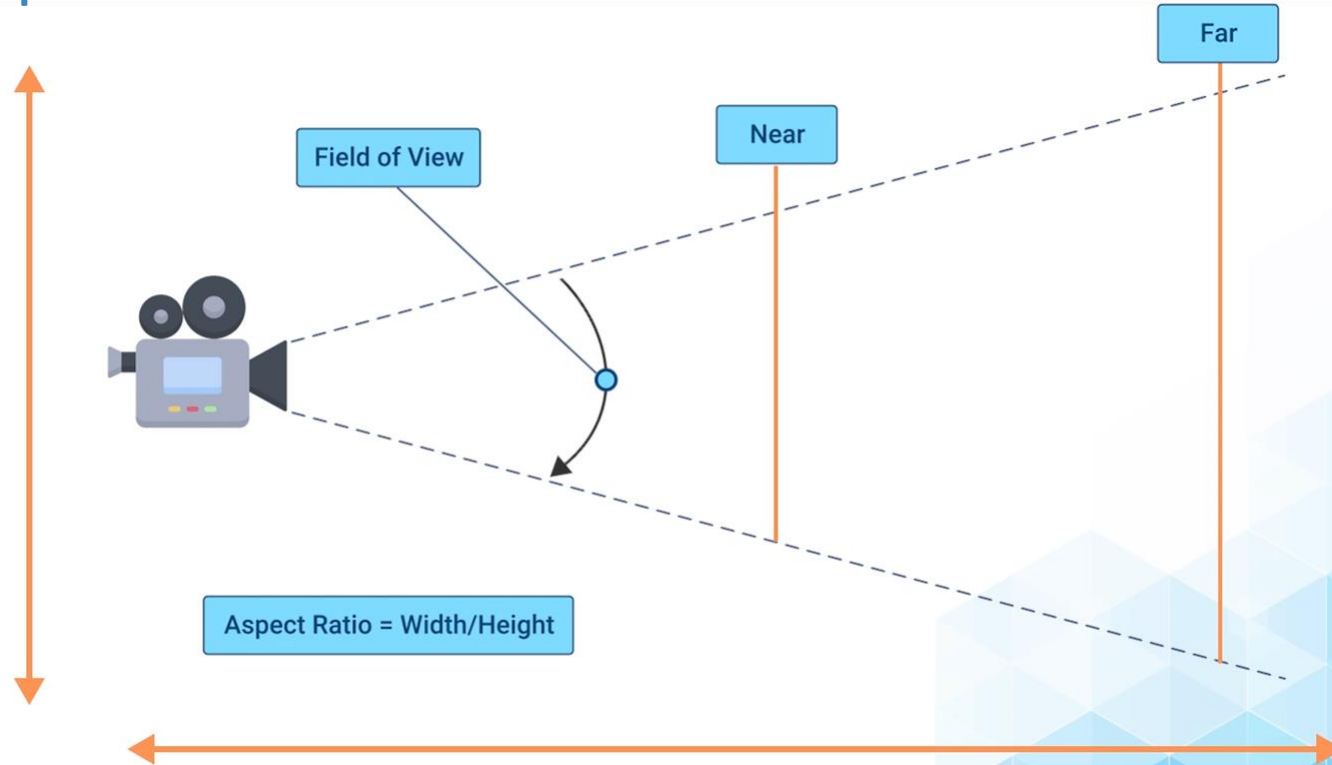
Placing elements on the Canvas



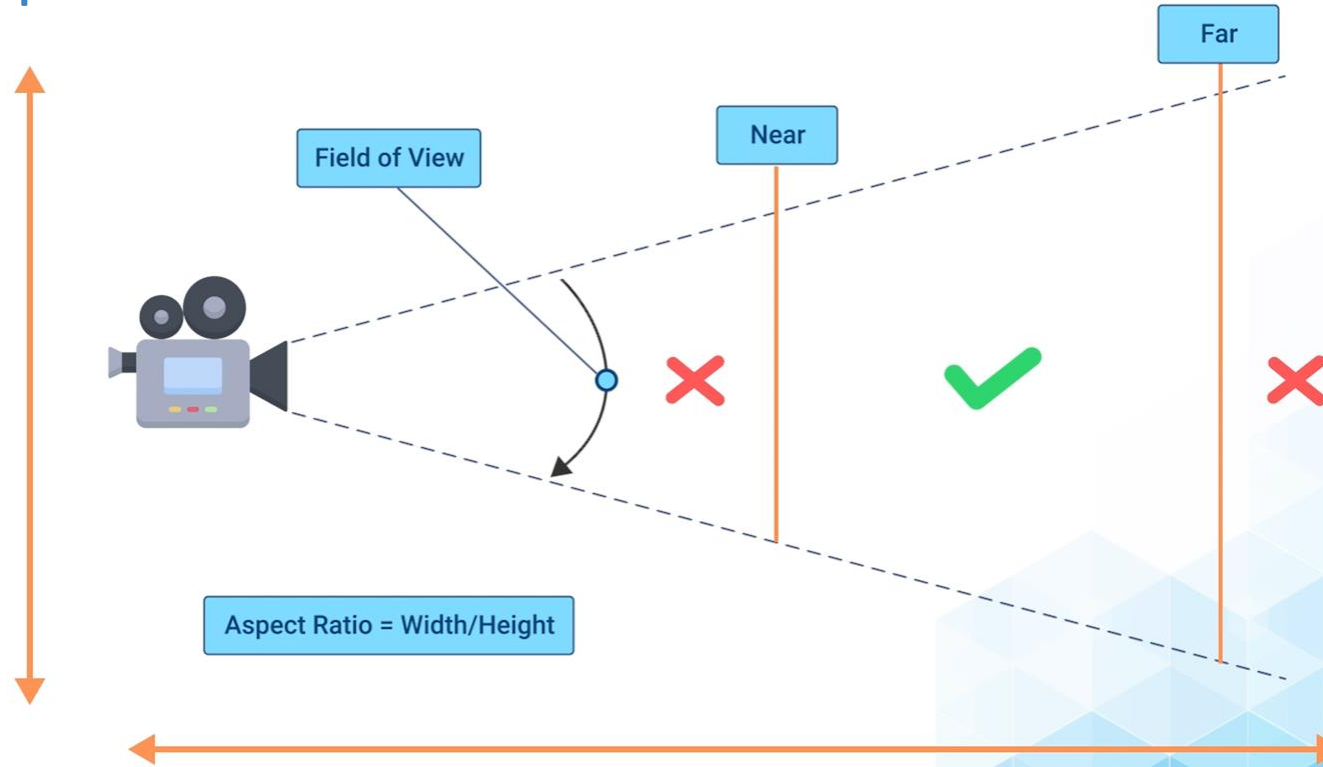
Cameras in Three.js

- Array Camera
- Cube Camera
- Stereo Camera
- **Perspective Camera**
- **Orthographic Camera**

Perspective Camera



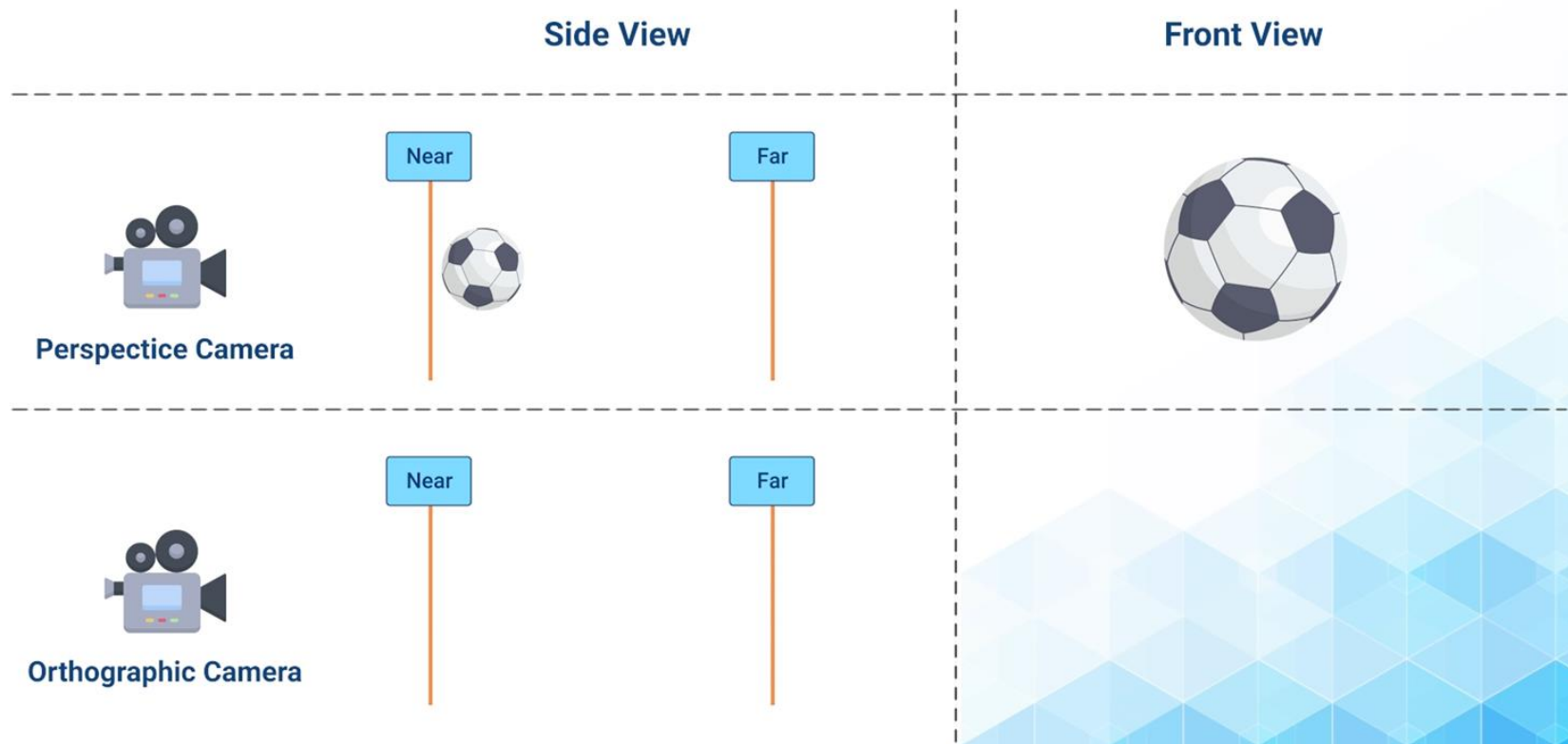
Perspective Camera



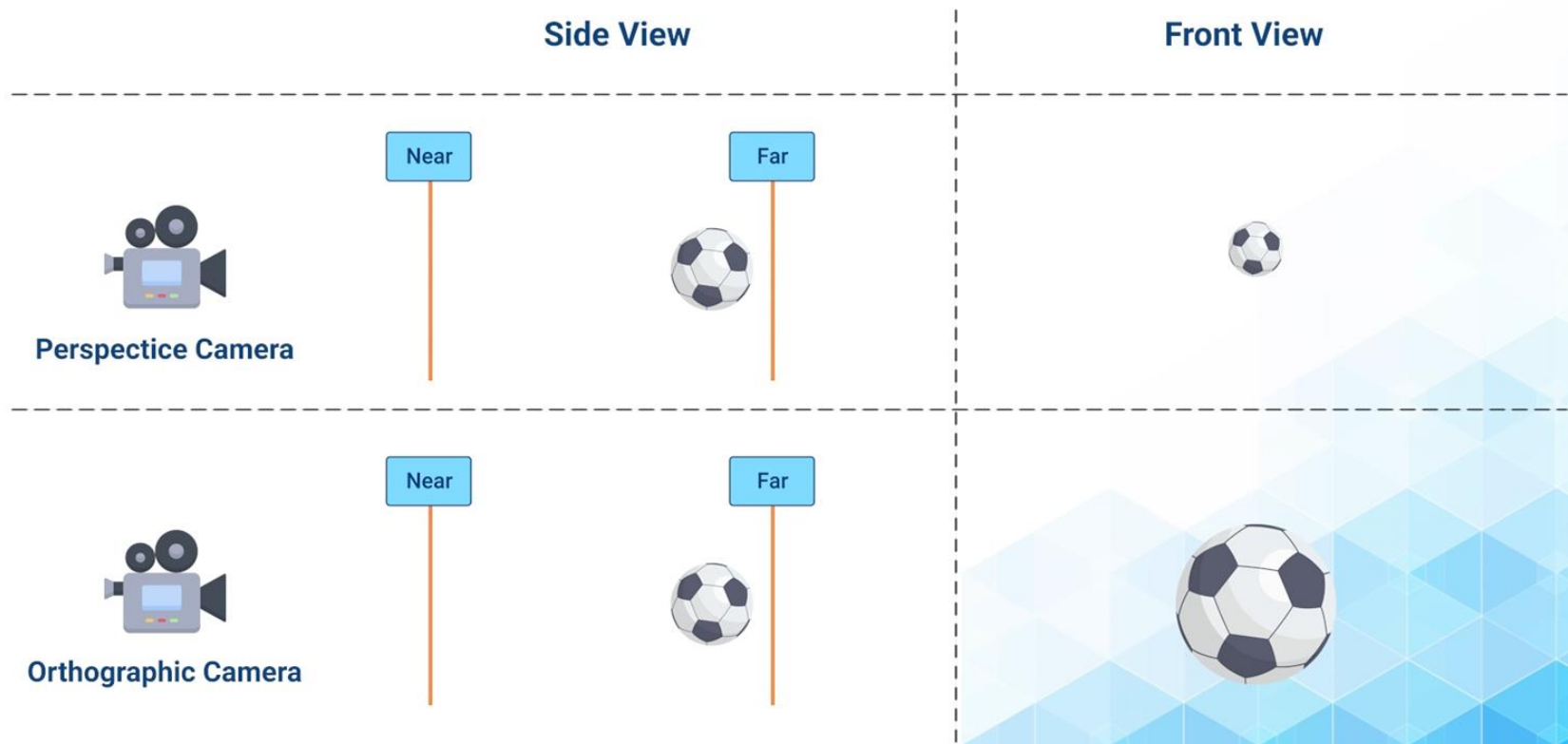
Orthographic Camera



Perspective Vs. Orthographic

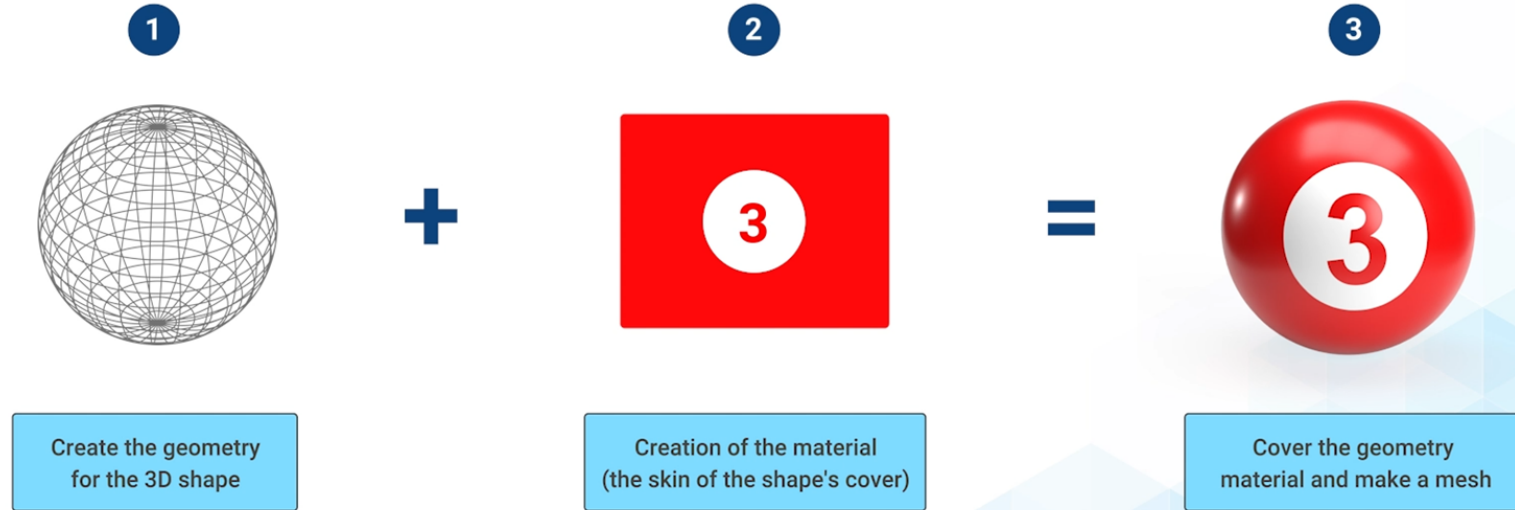


Perspective Vs. Orthographic



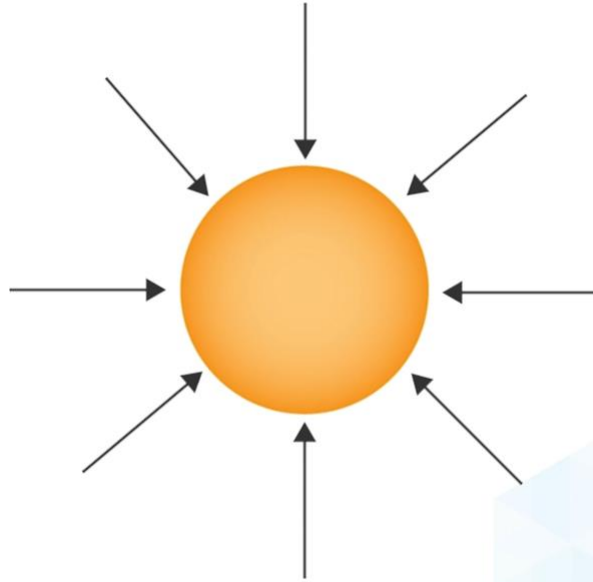
How to create 3D elements in Three JS

How to create 3D elements in Three JS?

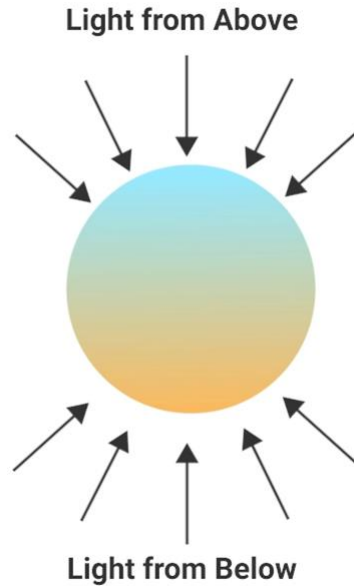


Lights in Three JS

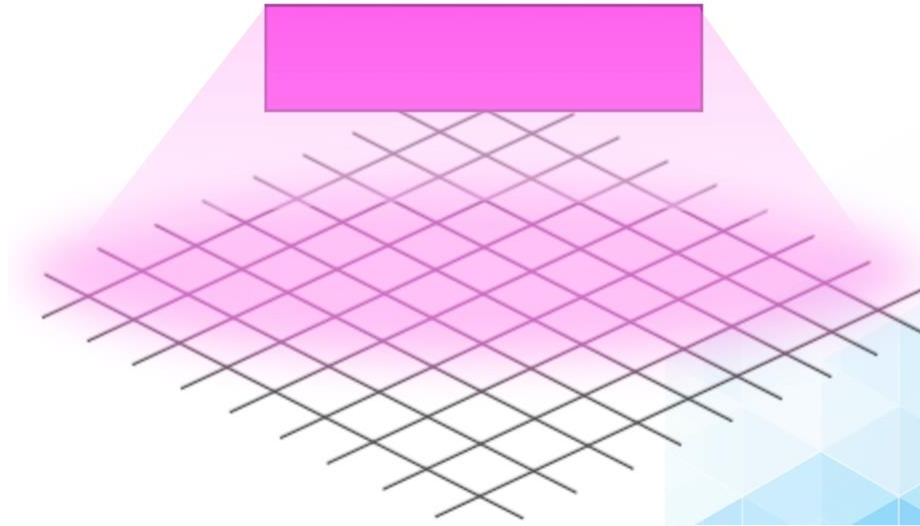
Ambient Light



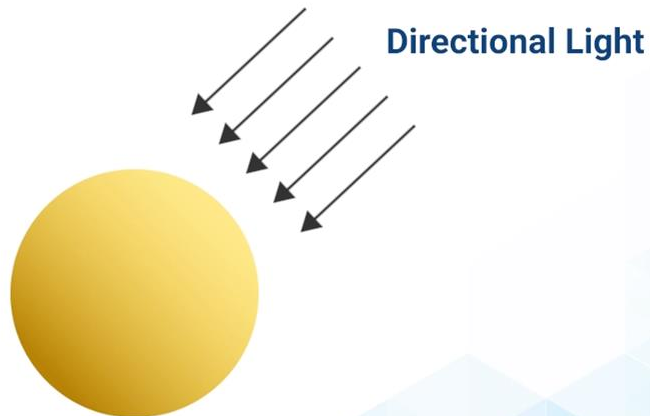
Hemisphere Light



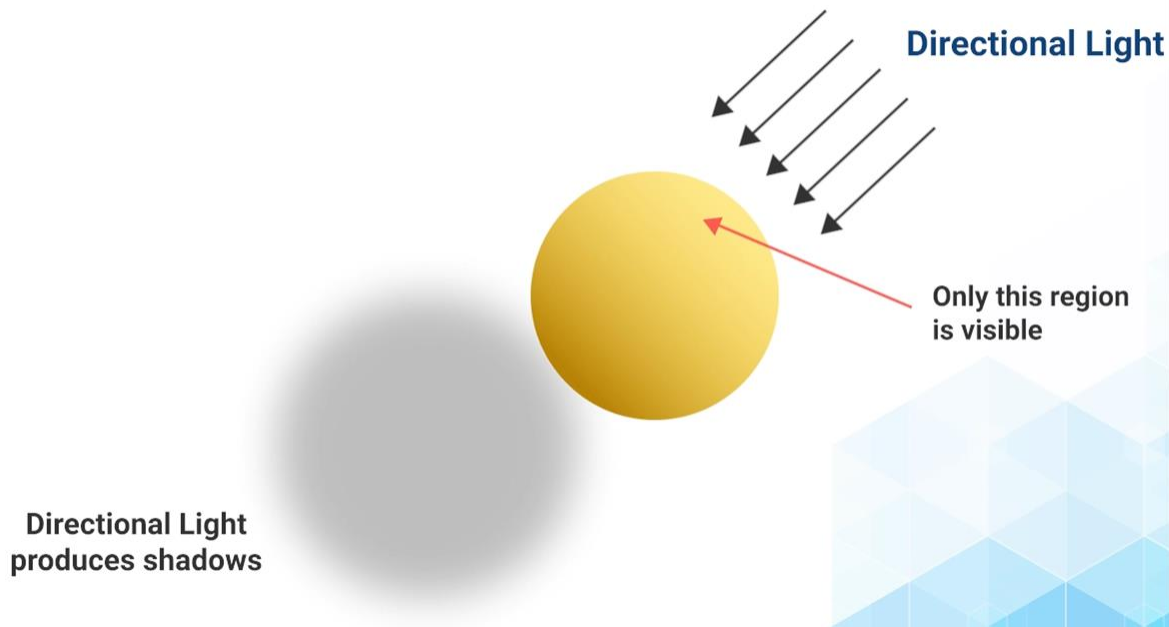
Rect Area Light



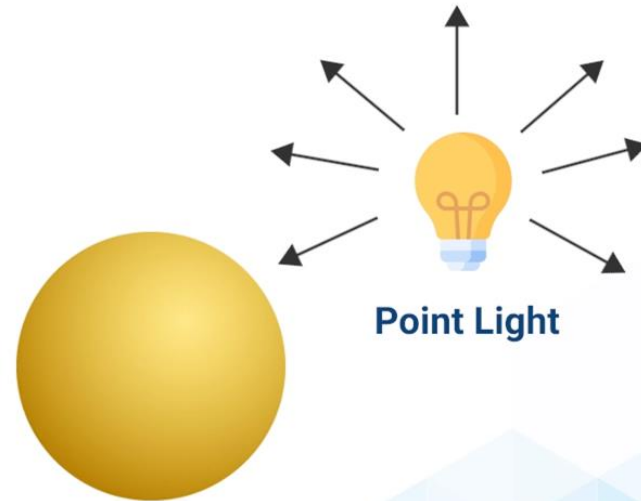
Directional Light



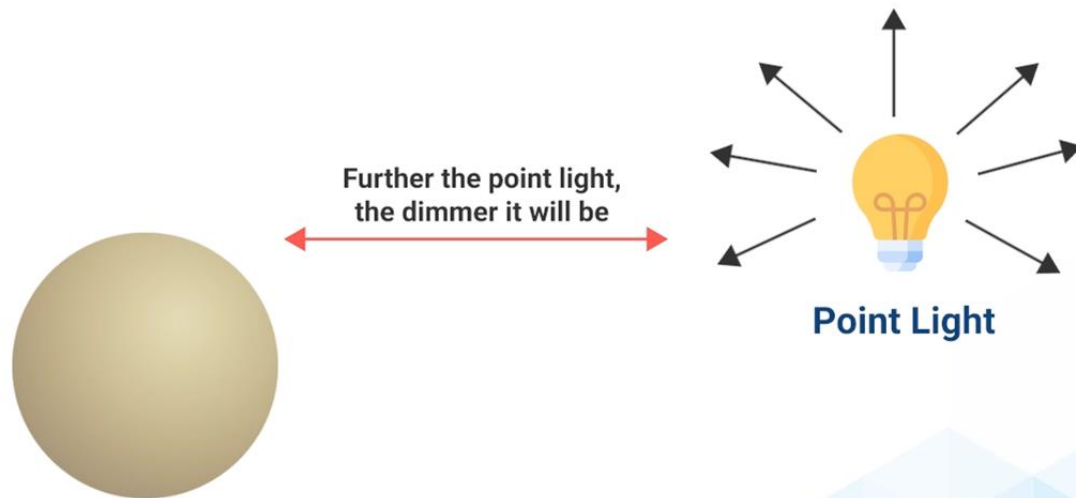
Directional Light



Point Lights



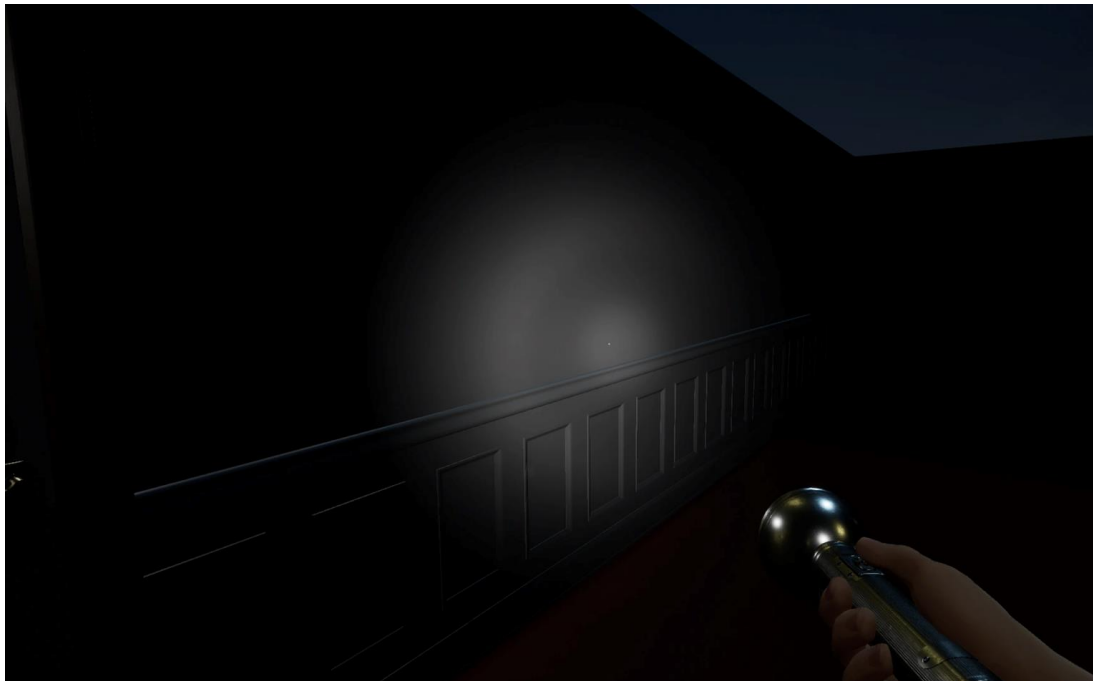
Point Lights



Spot Lights



Spot Lights



Shadows in Three JS

Shadows in Three JS

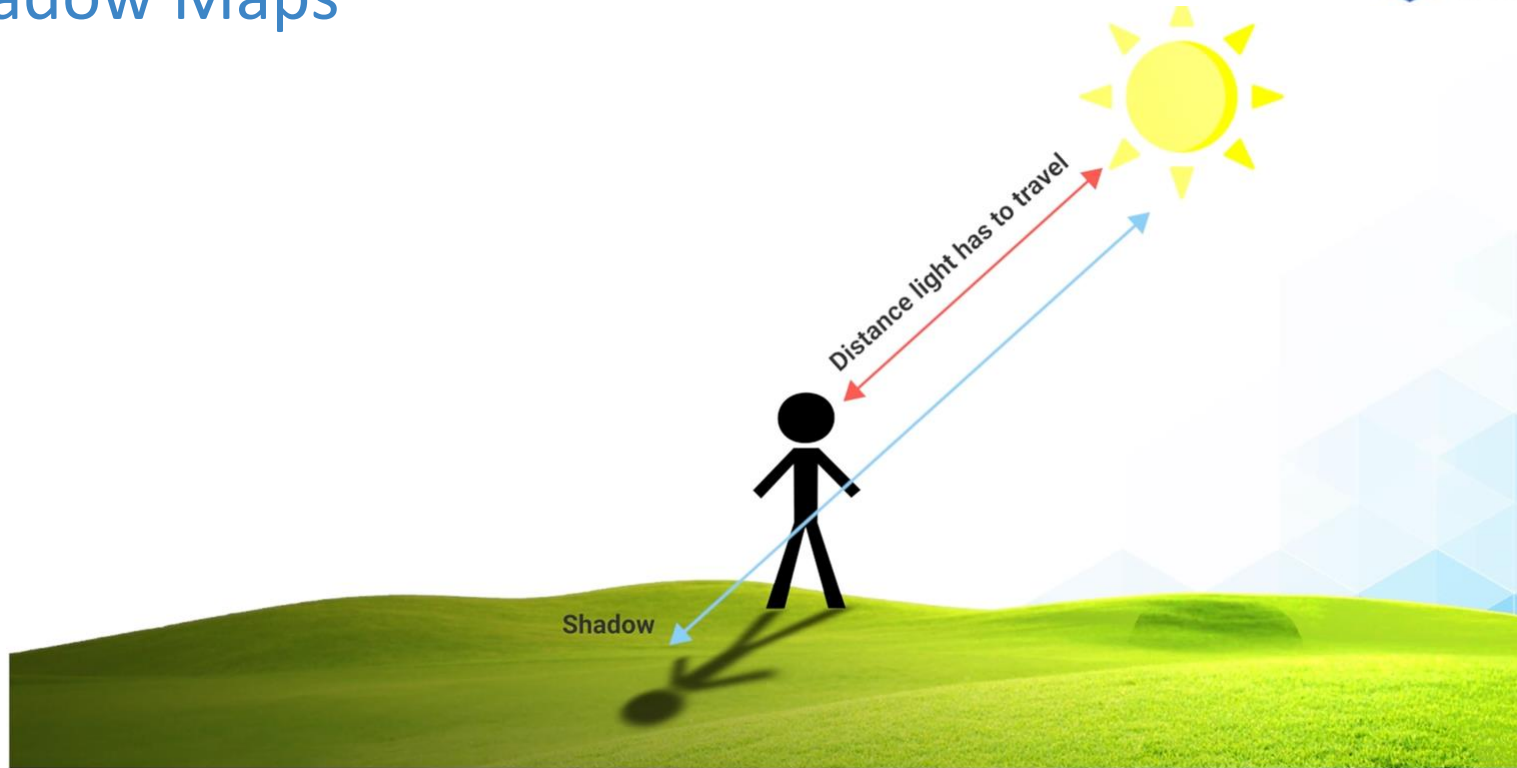


Shadow Maps

Shadow Maps



Shadow Maps



Shadows in Three JS

Shadows	No Shadows
Point	Ambient
Spot	Hemisphere
Directional	Rect Area

Shadows in Three JS

Shadow maps choices by three.js

THREE.BasicShadowMap

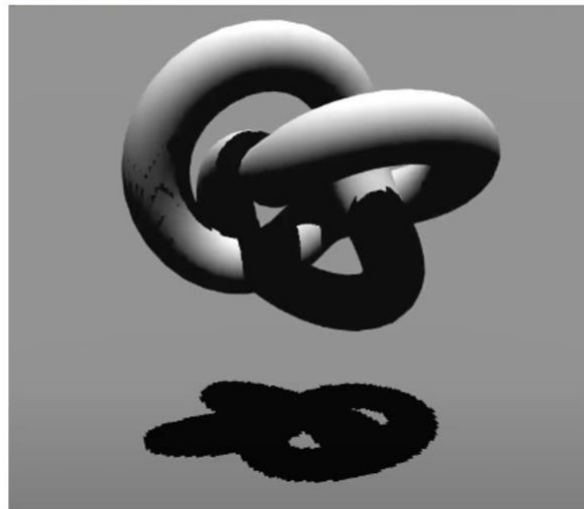
THREE.PCFShadowMap

THREE.PCFSoftShadowMap

THREE.VSMShadowMap

Shadows in Three JS

Shadow maps choices by three.js	
THREE.BasicShadowMap	
THREE.PCFShadowMap	
THREE.PCFSoftShadowMap	
THREE.VSMShadowMap	



Shadows in Three JS

Shadow maps choices by three.js	
THREE.BasicShadowMap	
THREE.PCFShadowMap	
THREE.PCFSoftShadowMap	
THREE.VSMShadowMap	



Shadows in Three JS

Shadow maps choices by three.js

THREE.BasicShadowMap

THREE.PCFShadowMap

THREE.PCFSoftShadowMap

THREE.VSMShadowMap

Shadow maps choices by three.js

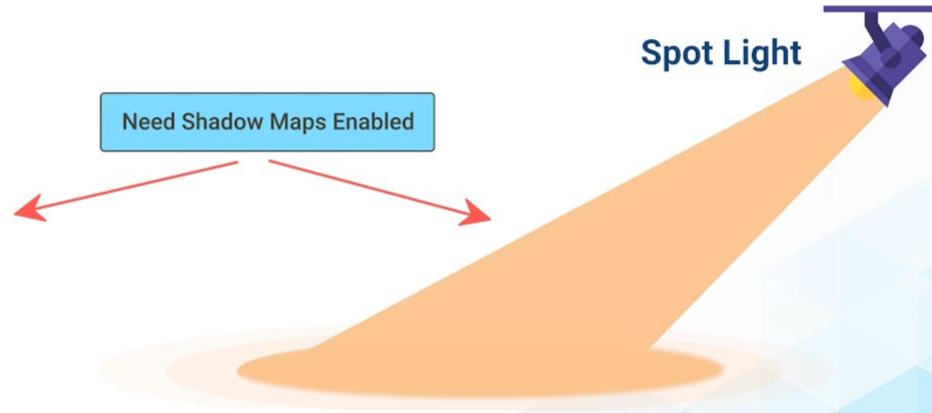
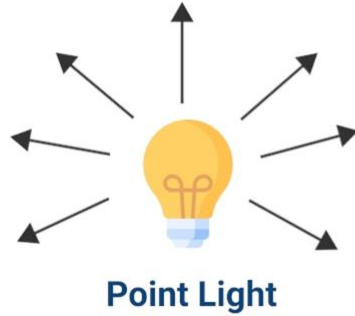
THREE.BasicShadowMap

THREE.PCFShadowMap

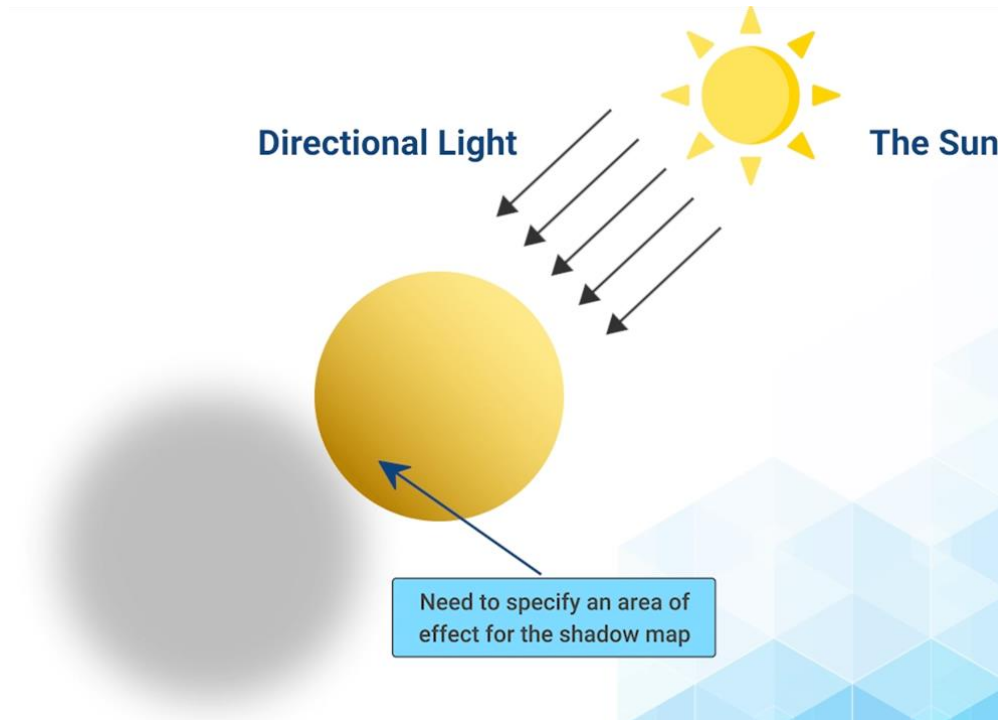
THREE.PCFSoftShadowMap

THREE.VSMShadowMap

Shadows in Three JS



Shadows in Three JS



Fog

Fog



Fog



Fog

Exponential Squared Fog



Fog

Exponential Squared Fog



THANK YOU!

Any Questions?

Visit

community.blockchain-council.org



Mail Us

hello@blockchain-council.org

