

Frameworks



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Building Blocks

JavaScript

WebVR

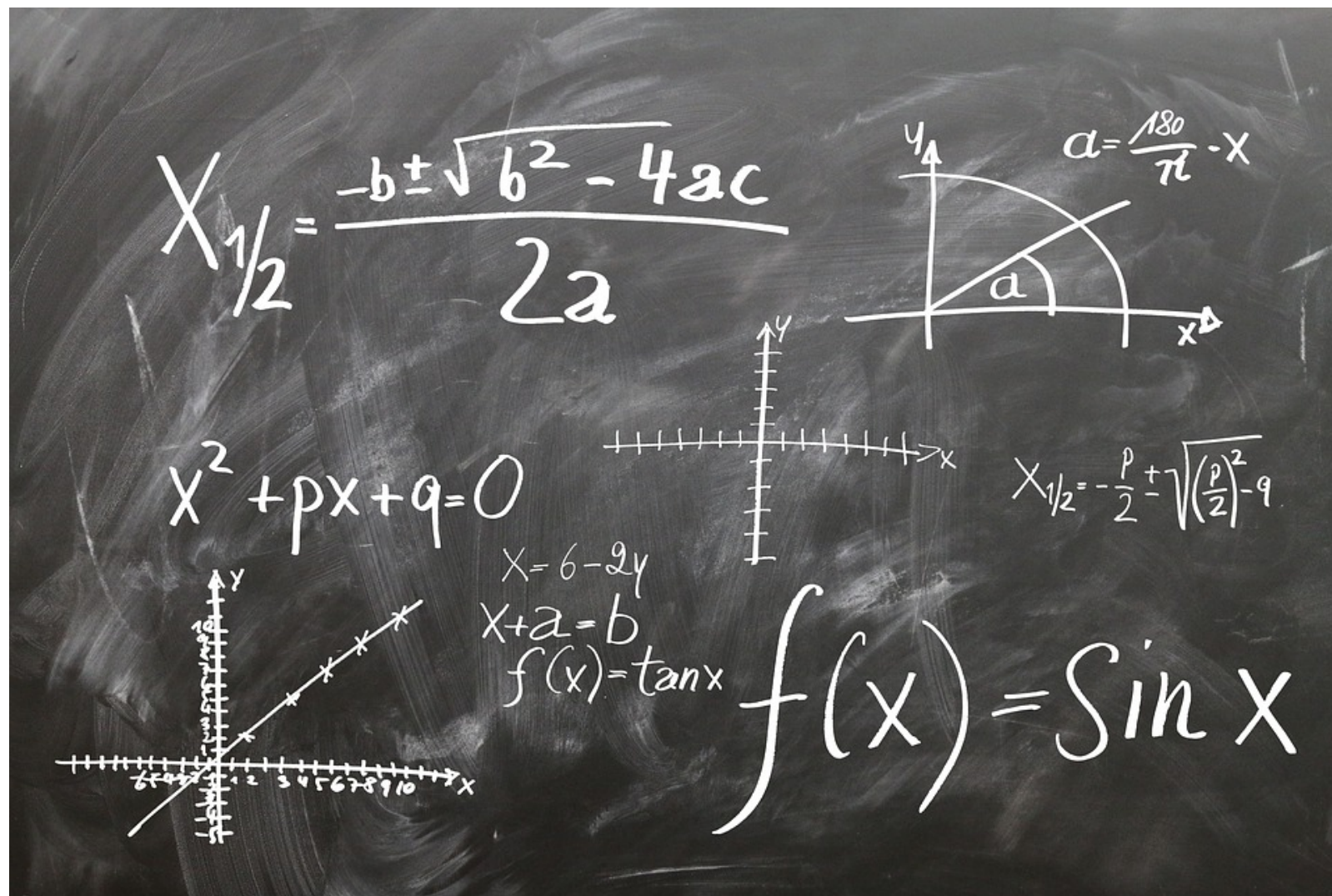
WebGL

Three.js

Device Orientation
Events



Complex Maths



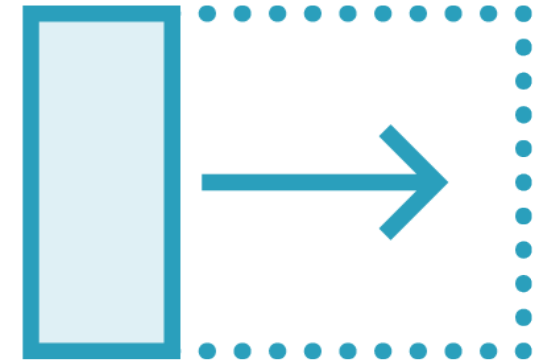
Framework Advantages



Functionality



Community



Extension

VR Frameworks

A-Frame

React VR



A-frame



A-frame

Created by Mozilla

Scenes created using tags

Wrapper for Three.JS

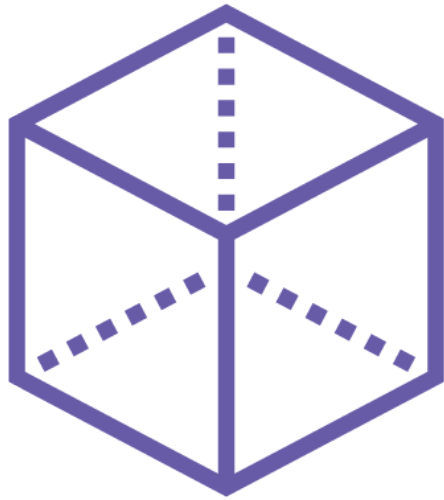
Inbuilt scene editor

Supports phones, tablet, desktop and headsets

Good browser support



Entities, Scene & Events



Entity



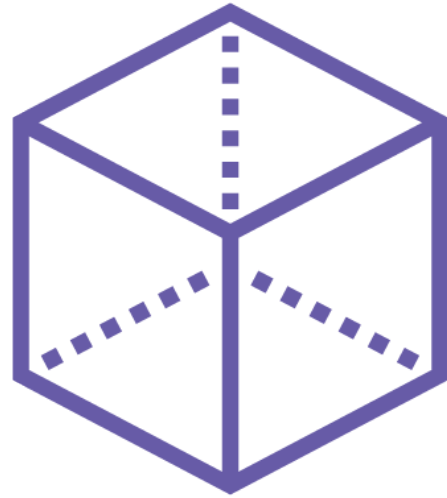
Scene



Events

Entity Component System

Toxic Waste Entity



Eerie Glow



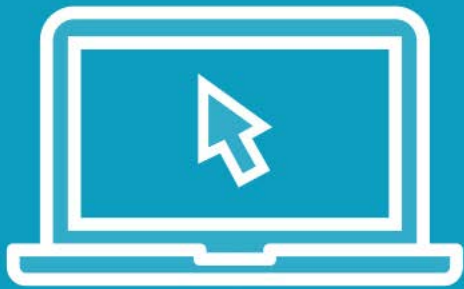
Kill Player Behaviour



Exploding Behaviour



Demo



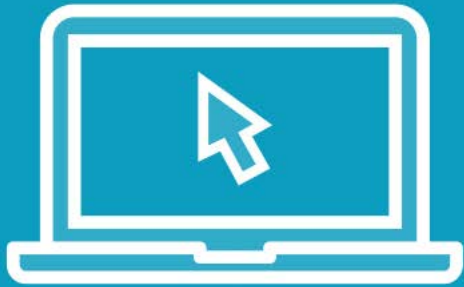
Hello A-frame



A-frame - Hello World



Demo



Primitives



A-frame – Materials and Animation



A-frame – Manipulating A-frame Scene

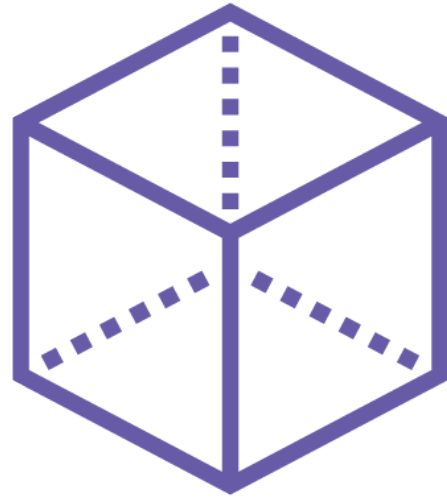


A-frame - Components



Entity Component System

Toxic Waste Entity



Eerie Glow



Kill Player Behaviour



Exploding Behaviour



A-frame - More Complex Example



React VR



React VR

Build using React.JS like approach
Currently alpha release



Summary



Summary



A-frame

React VR

