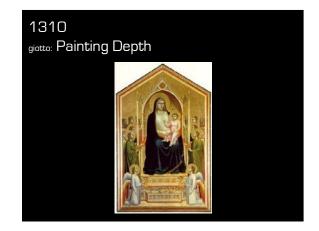
The History of Virtual Environments	
Stoneage early people: Cave painting	
500 BC the greeks: Theatre	

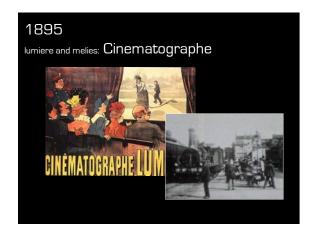


















## 1960 morton heilig: Sensorama 1965 ivan sutherland: The Ultimate Display "We live in a physical world whose properties we have come to know well through long familiarity. We sense an involvement with this physical worlds which gives us the ability to predict its properties well. For example, we can predict where objects will fall, how well-known shapes look from other angles, and how much force is required to push objects against friction. We lack corresponding familiarity with the forces of charged particles, forces in non-uniform fields, the effects of nonprojective geometric transformations, and high-inertia, low-friction motion. A display connected to a digital computer gives us a chance to gain familiarity with concepts not realizable in the physical world. It is a looking glass into a mathematical wonderland." "The Ultimate Display", 1965 1965 ivan sutherland: The Ultimate Display













1993 id and cyan: Popular 3D Games	
Doom Myst	