

Interactive Zoetrope with a Strobing Flashlight

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Zoetropes are an old animation device made of a spinning cylinder that contains still frames of the animation. As it spins past your eyes, the still frames appear to be moving.

My demo is a 3D printed zoetrope whose frames are 3D printed scenes. The mechanism that creates the illusion of motion is a strobing flashlight that the user can hold and shine into the scenes, making a traditionally passive form of entertainment into an interactive experience.

My demo also plays with the color of the light to make the story more interesting and reveal certain elements at different times.

Here is a video of the demo without colour:

https://www.youtube.com/watch?v=SRY_xpQycN0