

Reality6D (MVP)

Concept proposal



What is Reality6D

Reality6D is a racing simulator like no other. Competitors are placed in a cockpit installed on a motion table that translates all the movements of a highspeed radio controlled car to the driver giving a sense of high speed motion and inertia.

What are the components

The project consists of a high speed (electric) RC car, motion table and racing seat, video camera and electronic components to tie it all together. I will go though each component in detail below.

The Car

The car chosen for the MVP is the Traxxis X0-1. The X0-1 is a 1/7 scale electric car capable of reaching 100mph (real speed) in less than 5 seconds. That's faster than a Bugatti Veyron!



The X0-1's size and sheer speed make it the perfect vehicle to translate speed and exhilaration to the driver.

The View

To get the view back to the racer we will transmit live video from a CCD camera mounted on a head tracking gimbal so if the racer turns his head the view will follow.



The Seat

You're going to be thrown around like a rag doll racing this car so you need to be secure. A full 6 point harness and race seat will keep the driver tight and secure. This will be attached to a mechanical platform that will duck dive and weave to the motions of the car giving a true sense of speed and exhilaration.



The Glue

There is a lot going on to keep this all running smoothly so we will have cutting edge technology to manage the motion table, car and video. We like to call this the personality board. Racers can choose between a sunday drive mode to out performing the world's most exclusive super cars.

Conclusion

Reality6D merges one of the most loved pastimes (gaming) with one of the most exclusive sports (motorsport) without the risk or expense. Part fair ground attraction part arcade game. The motion of the seat tricks the mind into thinking it is immersed in the simulated environment and experiencing kinematic changes in position, velocity, and acceleration.

The view from the car and close proximity to the ground also give a heightened sense of speed and thrill.

Couple this with multiple participants when we hit production this will truly be an immersive and thrilling experience.

Help fund us today to make this amazing ride a reality.