CSE 191: Virtual Reality Technologies

Agenda

App presentation:
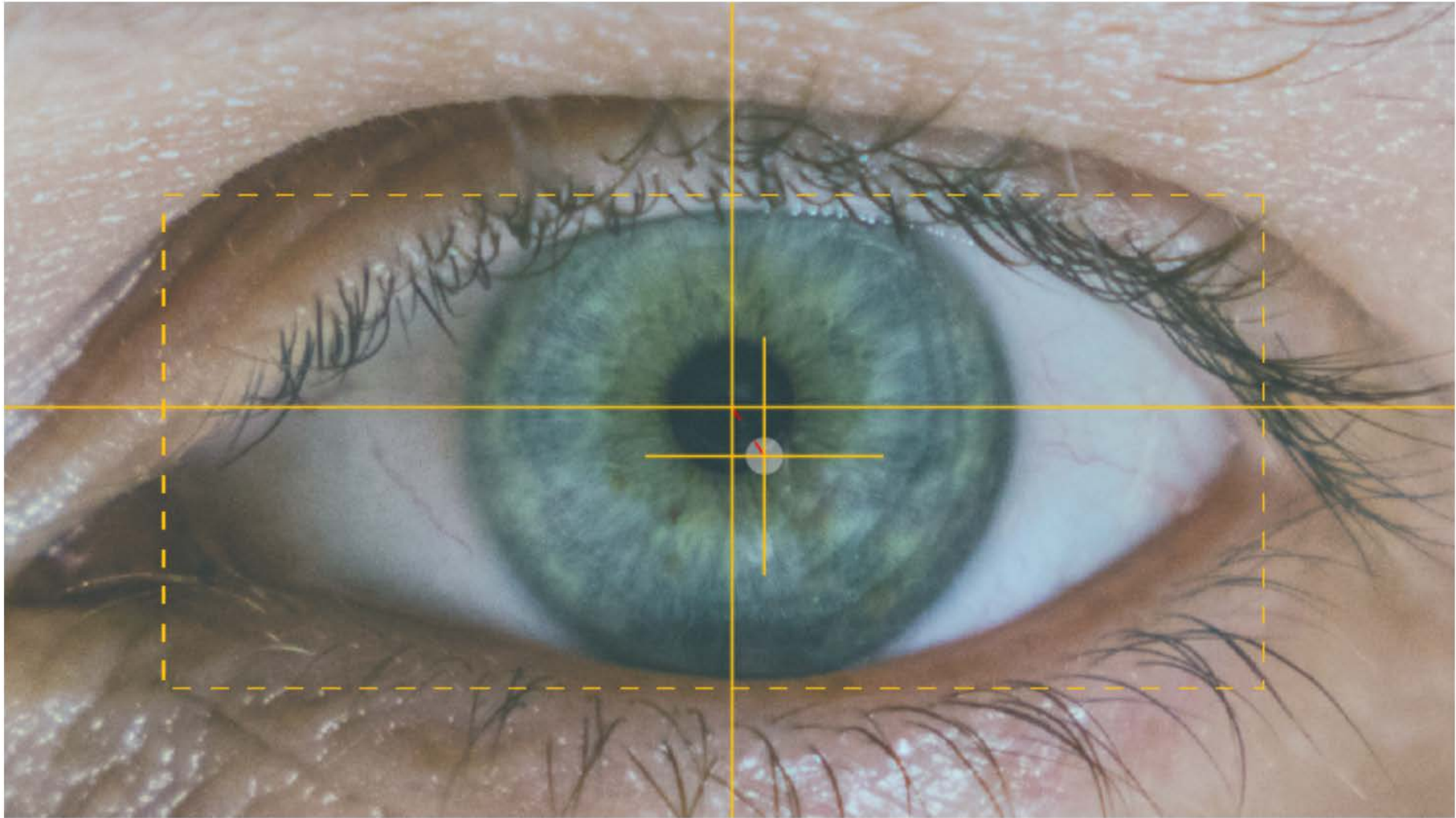◦ Justin: Gorilla Tag

Tech presentation:
◦ Danny: Force Feedback Interactions

Reading

Today's topic: Eye Tracking

Eye Tracking

The center of the eye (pupil center) is tracked in relation to the position of the corneal reflection. The relative distance between the two areas allows the calculation of the direction of the gaze.

Magic Leap

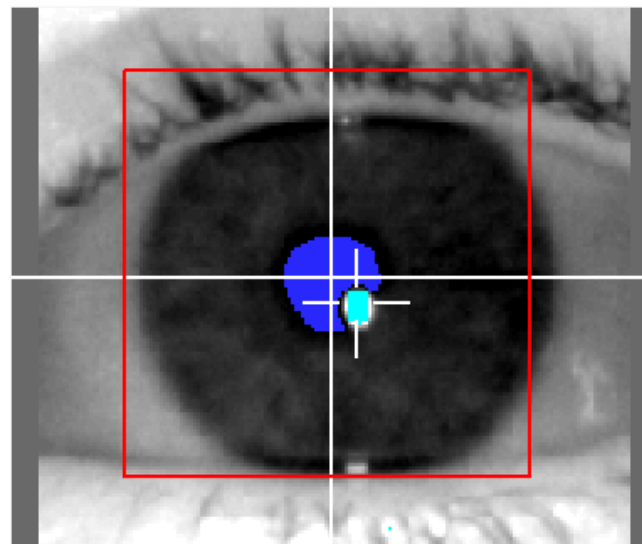Built-in infrared eye tracking

Eye Tracking Challenges

Pupil deforms during fast eye motion, inertia effects

Eye motion can be very fast

Small angular eye motion can mean large differences for distant objects

Camera: RIGHT   Threshold: P=100   CR=215