Eye Tracking in Games

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Personal background

Dynamic Audio Tuning [1] - Software Engineering MVK13

Personal background

UFPS with EyeX [3]
Will speak about:

● Short about different eye tracking techniques
● Eye movements
● Gaze data quality
● Eye tracking in AAA games
Eye Tracking

- Some eye tracking techniques
  - Scleral search coil
  - Electrodes
  - Video based eye tracking
Eye Tracking

- Visual Angle
- Eye movements
  - Fixations
  - Saccades
  - Smooth Pursuit
Eye Tracking

- Latency
- Precision
- Accuracy

Precision/Accuracy [7]
Eye Tracking

- Eye tracking in AAA games
  - Tom Clancy’s The Division
  - Assassin’s Creed Syndicate
- Much much more interactions and scenarios to be explored!
Eye Tracking

Enhance your gaming experience with:

The Division with EyeX [8]
Thanks for listening!
References


[3] UFPS with EyeX: https://www.youtube.com/watch?v=XDNTxx3XT4w


[8] The Division with EyeX: https://www.youtube.com/watch?v=H-N9alJb3Cw