

For Example ...

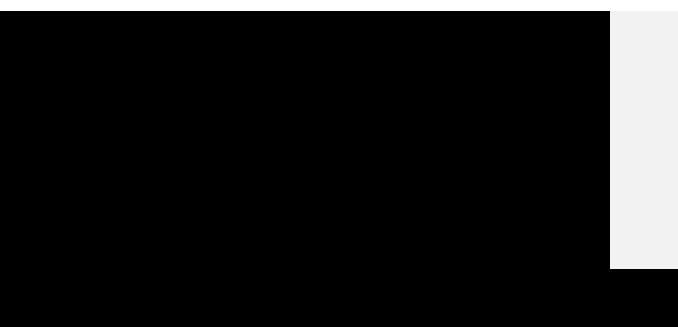
Indoor Localization



Smartwatch Gesture Tracking



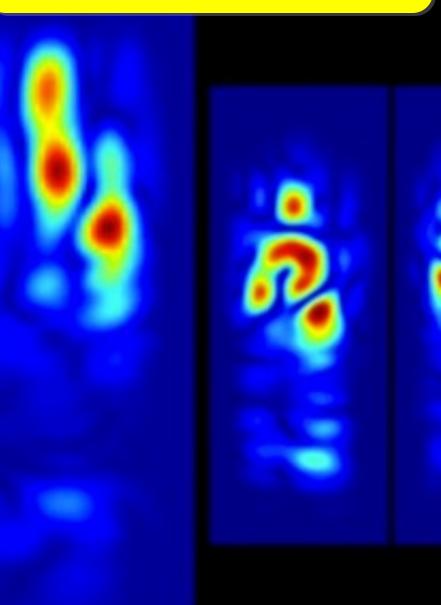
Smartwatch Gesture Tracking







Wireless Gesture Tracking



Sports Analytics

2500



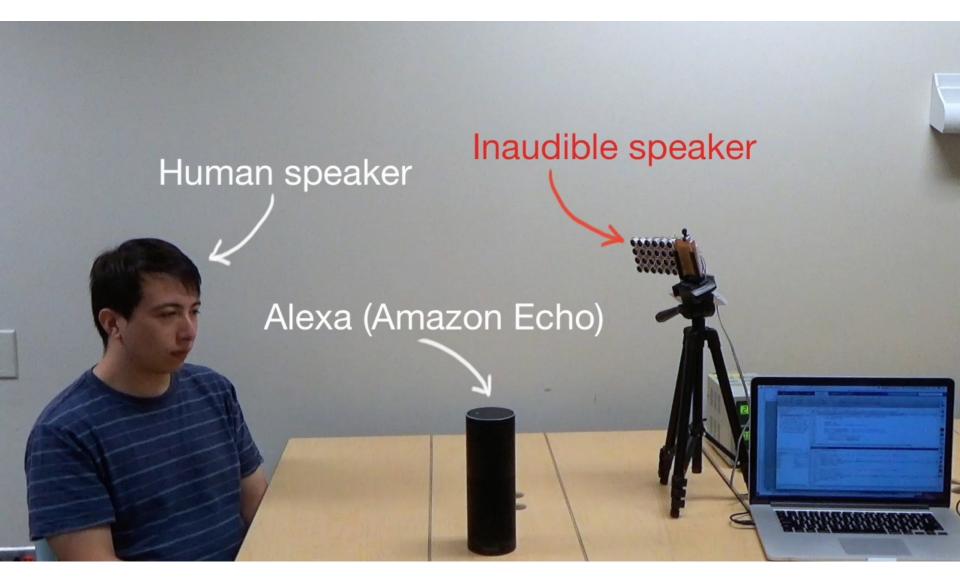
Security and Privacy

Inaudible to humans

Audible malicious commands to Alexa

amazon

Inaudible Acoustics



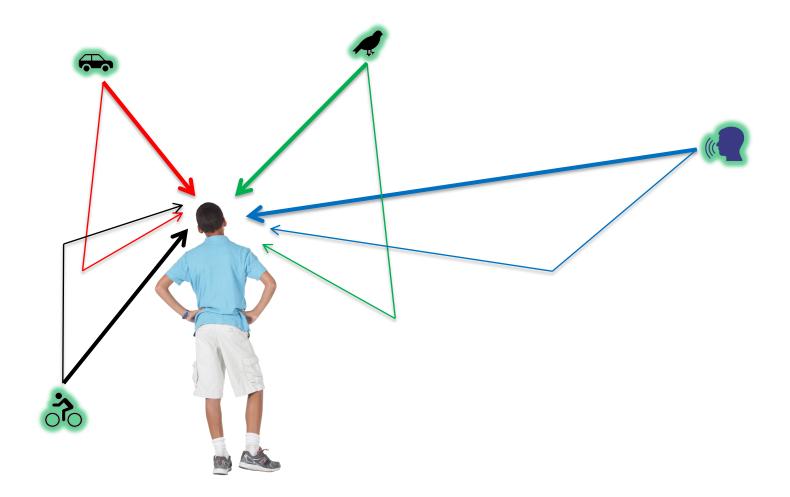
Earphones and Acoustics



Source separation

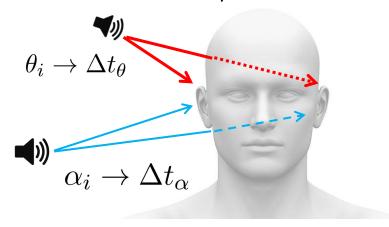


Source separation

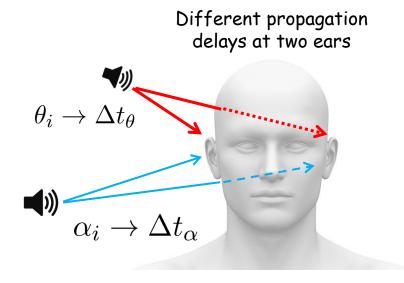




Different propagation delays at two ears

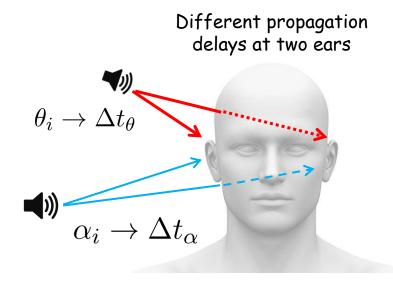






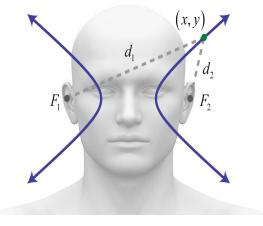




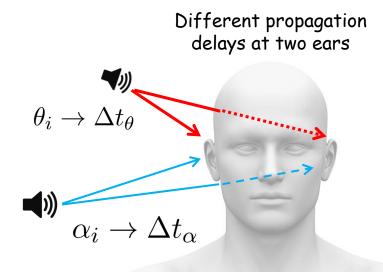




But delays are not unique along hyperbola

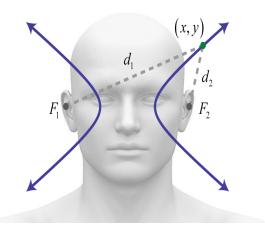




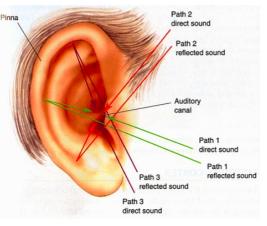




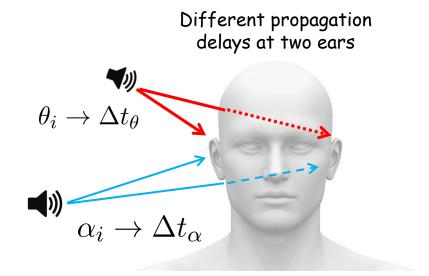
But delays are not unique along hyperbola



Personal Transfer Function

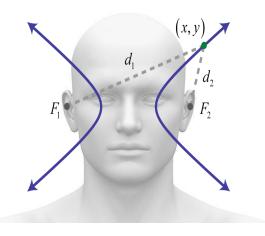




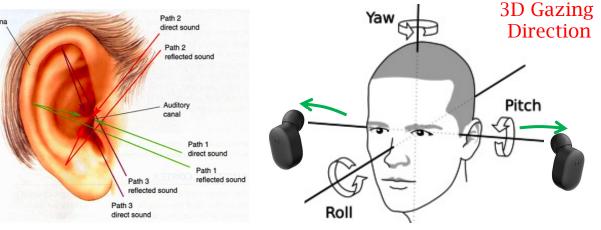




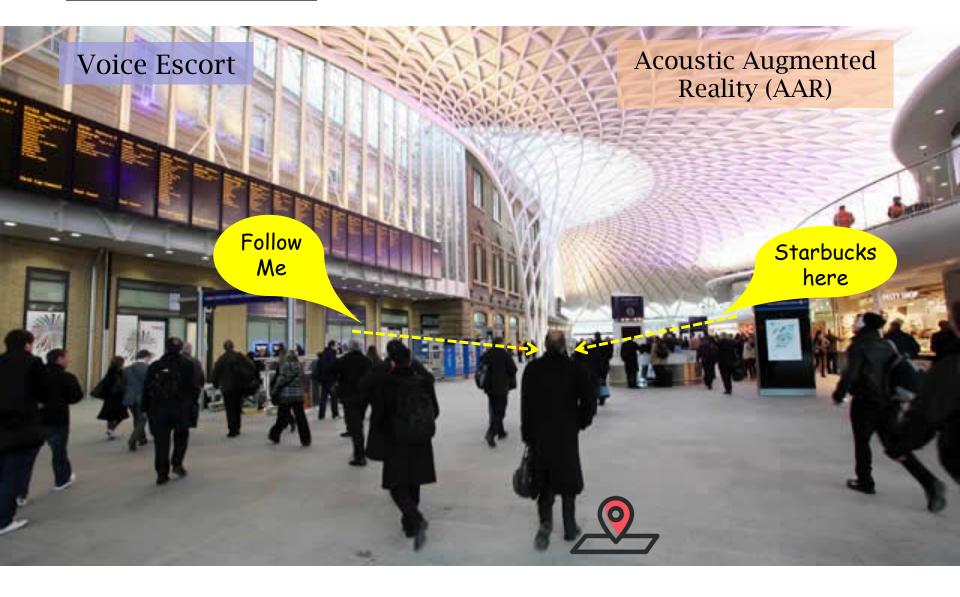
But delays are not unique along hyperbola



Personal Transfer Function







Obviously, this course cannot teach you all of that ...

Instead, 434 expects to give you(1) Foundations to understand key building blocks(2) Foundation to self-learn other, harder topics