Gait Recognition in Mobile Security

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The Big Picture

What is Mobile Security?

- Information Storage
- Device Access

How can mobile security get better?

- No More Passwords
- Something You Are
- Unobtrusive Access

Outline

Outline

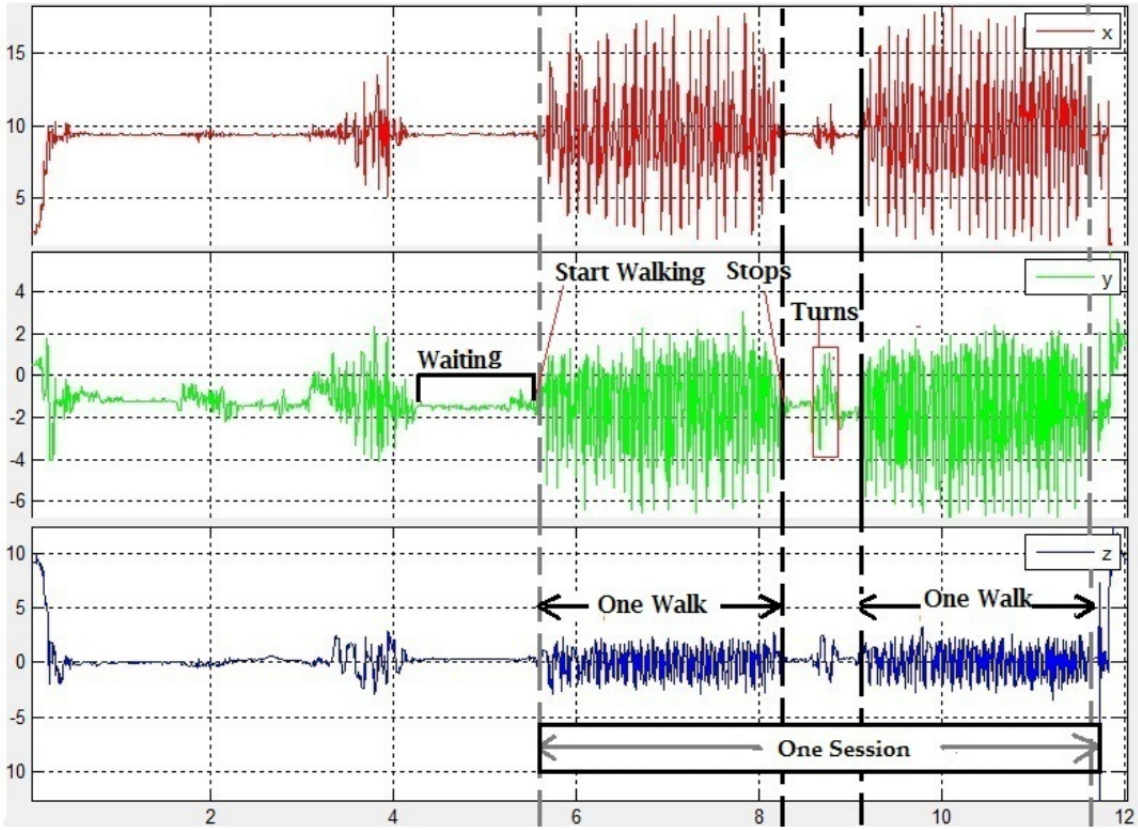
Background

- Biometrics
- Gait Recognition
- Using Gait is Better

Outline

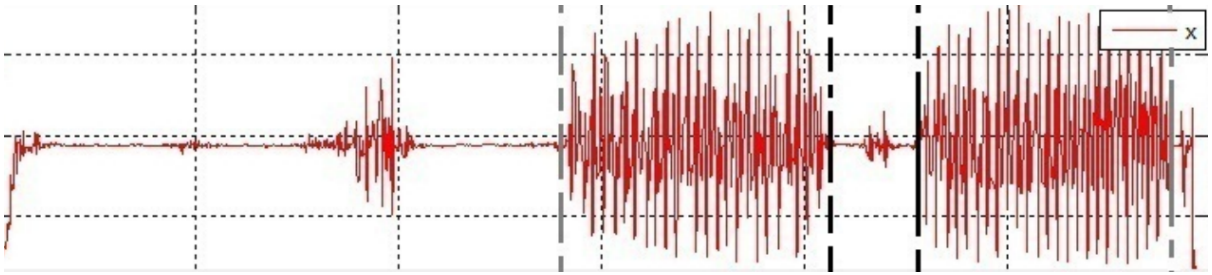
Experiment Environment

- Phone Clipped to Waist
- Walked Down 18.5 Meter Hallway
- Preprocessing



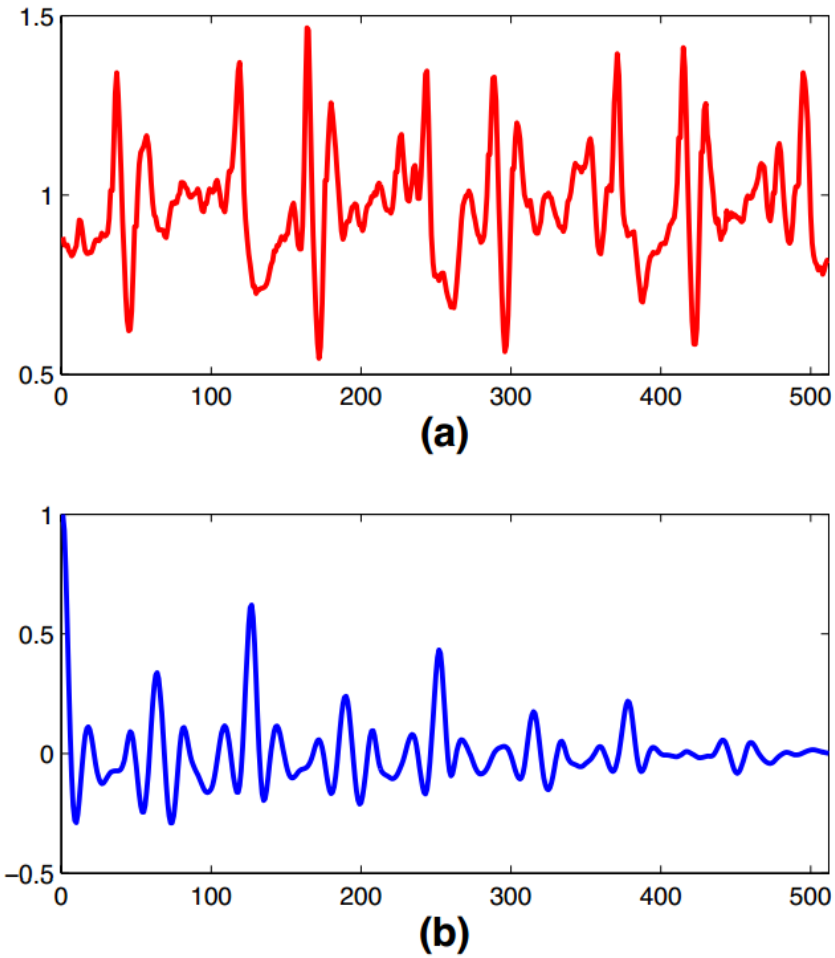
Linear Interpolation and Zero Normalization

- Walk Extraction
- Linear Interpolation
- Zero Normalization



Framing and Projection

- Framing
- Projection



Outline

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Conclusions

References