# 1 Project Decomposition:

- Value: have phone know whose pocket it's in & act accordingly (lock harder or something)
  for: people with phones, probably via OS writers since it controls the lock. So Apple & Google
- Develop:
  - no app needed
  - MATLAB script
  - lots of people of data
  - Eigengaits (Fischergaits?)
  - standardize datasets (phase offsets)
- Strategies / Resources
  - there are papers on this
  - apps that do what we need

# 2. Diagram



phone
to
pocket

phone     $\hat{i}, \hat{j}, \hat{k}$
frame