

Sensor Drift ←
Accelerometers + Gyroscopes YouTube
Acceleration Rotation
Velocity

→ movement + gravity

Validation

Quantizing
% bend

Optional

Kinect

- Significance - Surgery? , Quantizing
- Innovation - Kinect - Problems - Motion capture - \$\$\$
+ Vision - Drift
+ Sensors - gait
- Approach - Motion Detectors - (Cameras)

- Patients (Early March)

→ From Dr. Suter:
Cameras (Motion Detectors) - Pressure Sensors in shoes

Heels - pressure sensors

Synching Kinect + Motion Sensor

- timing delay 13 ms synchronizing module