



Петрозаводский государственный университет  
Petrozavodsk State University  
Petroskoin valtionyliopisto

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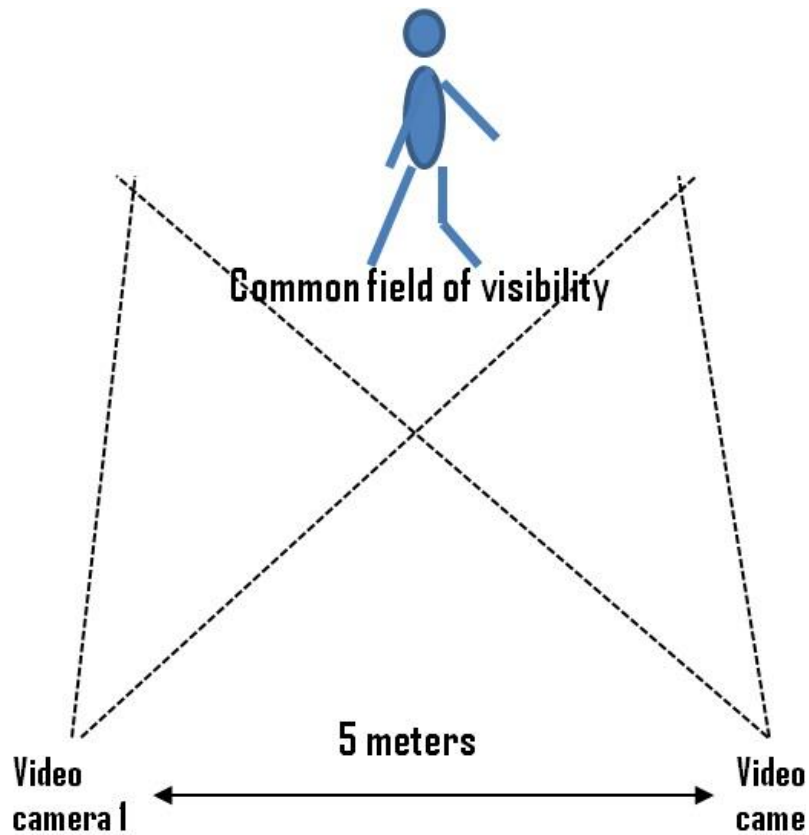
# At-Home Lab Demo for Motion Video Tracking in Patients with Parkinson's Disease

Nikita A. Bazhenov

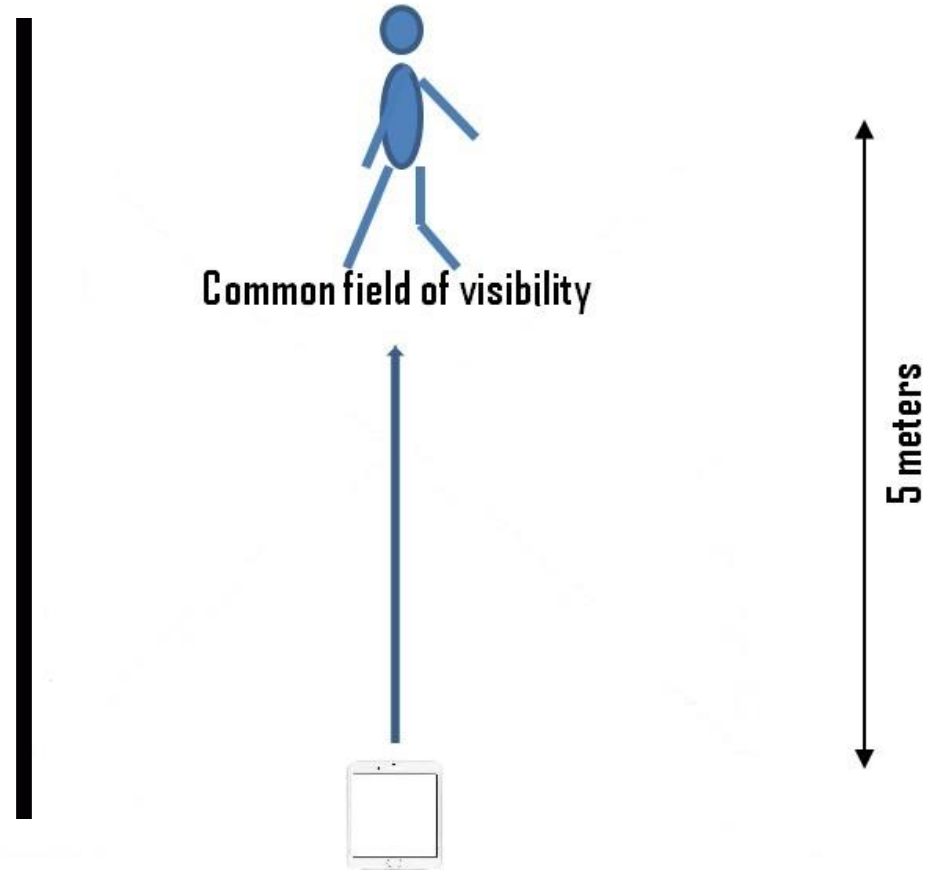
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# Biosoft 3D to smartphone

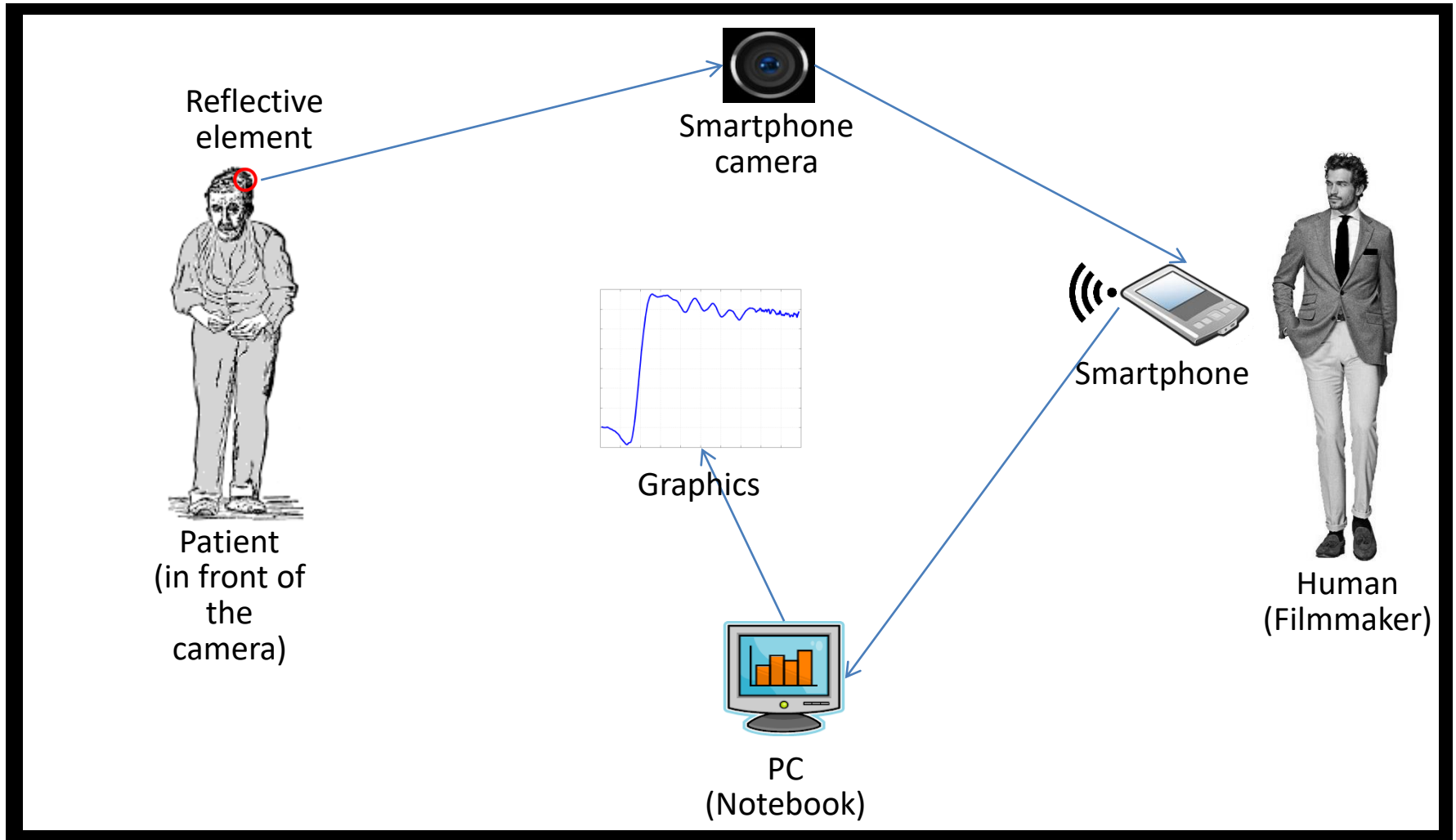


**Biosoft 3D**

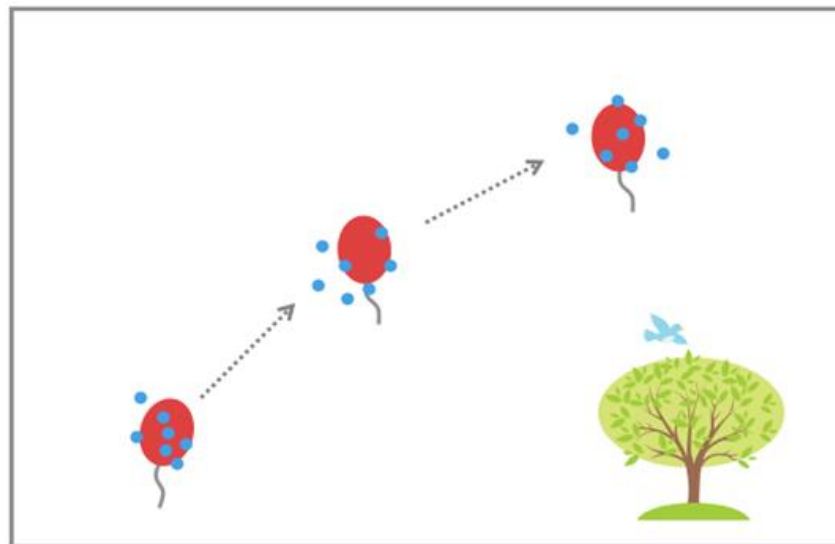
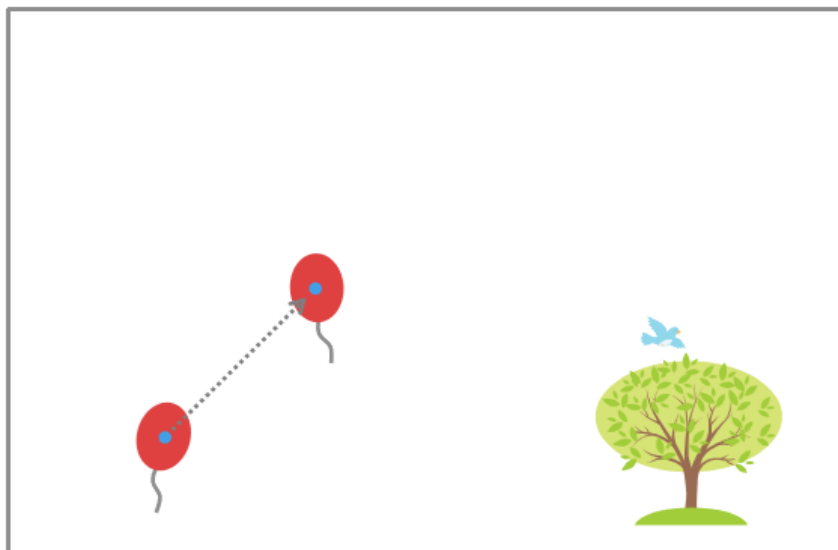
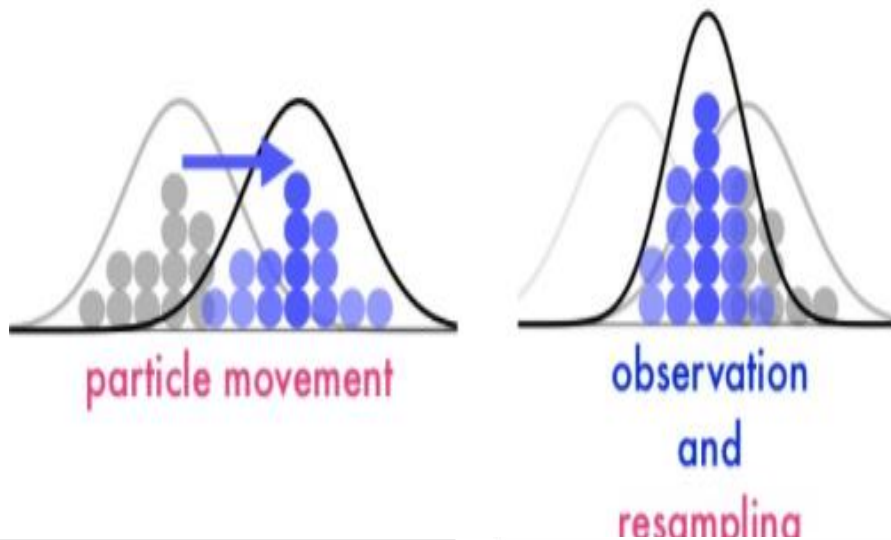


**Prototype**

# Demo architecture



# Particle filter

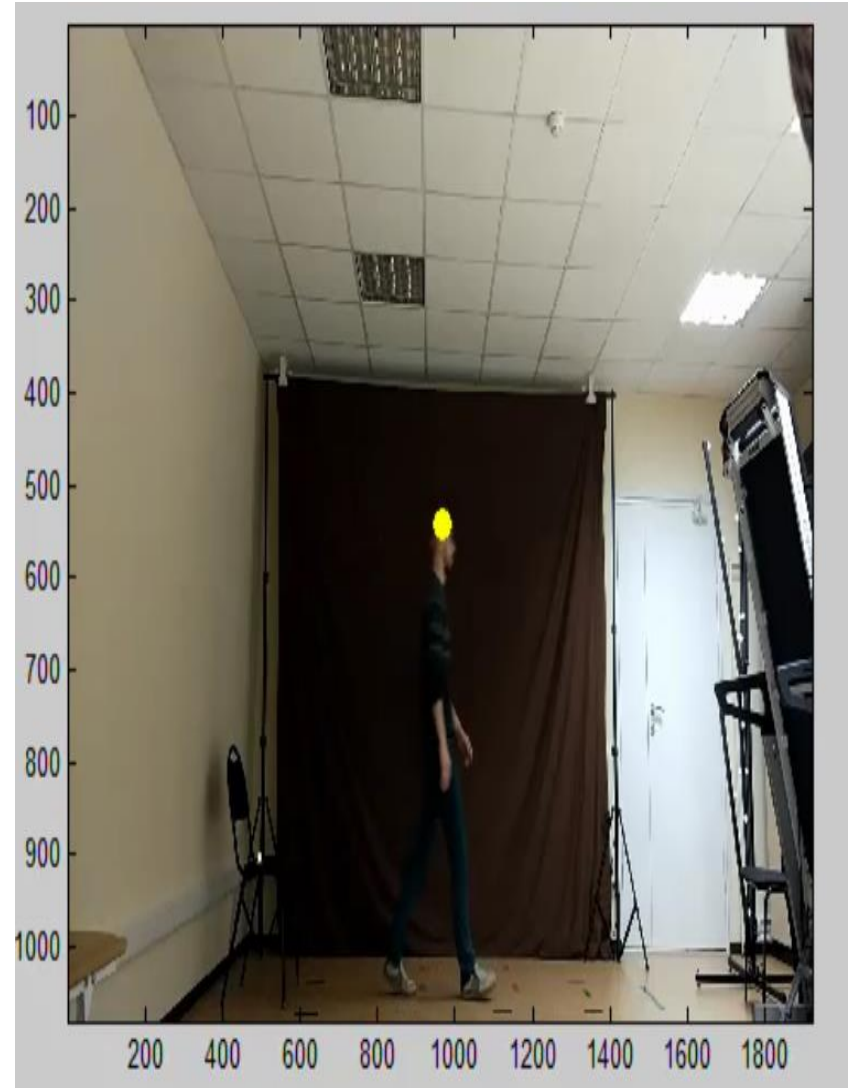


Object tracking

# Results

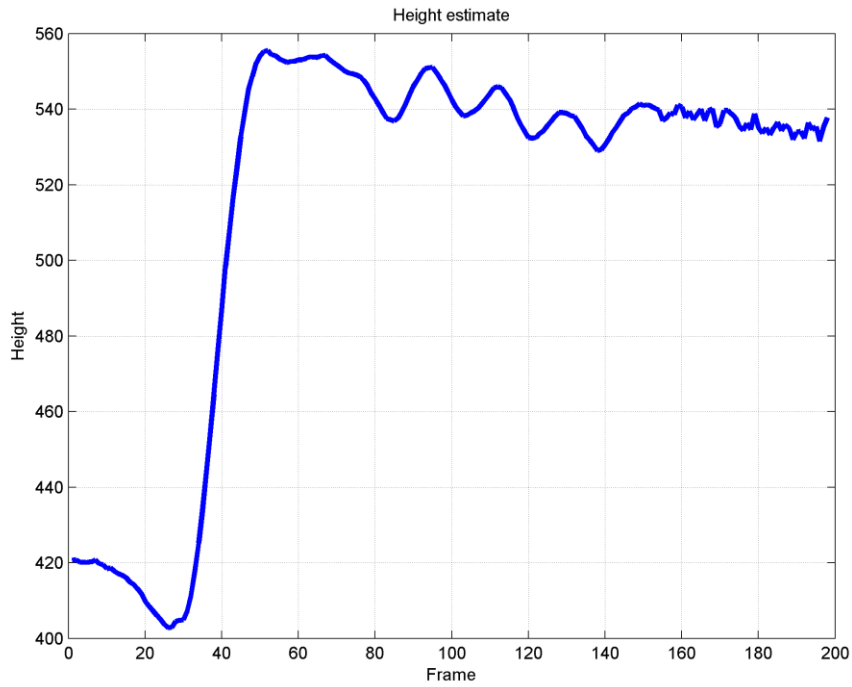


Before analysis

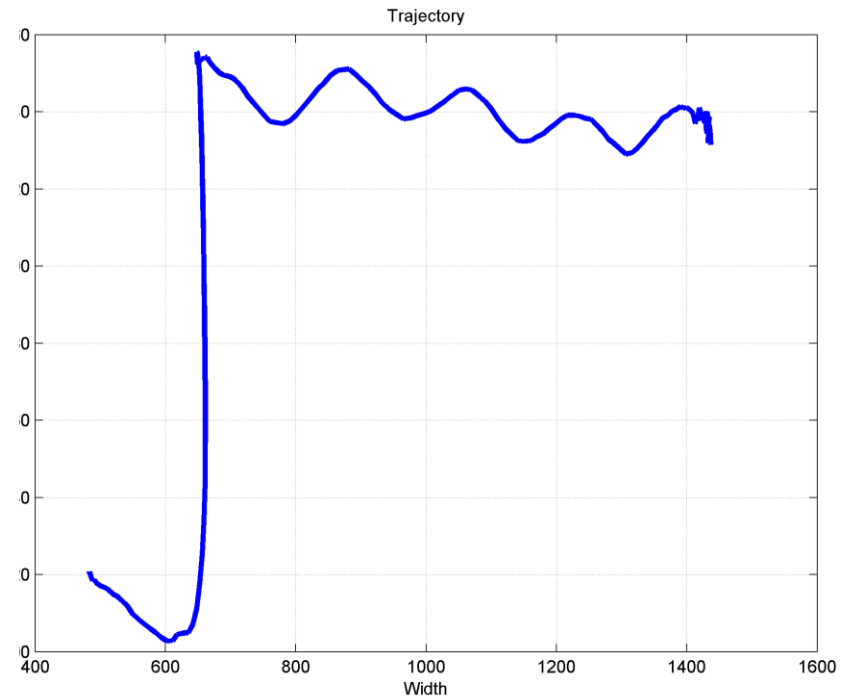


After analysis

# Graphics



**Height estimate**



**Trajectory**