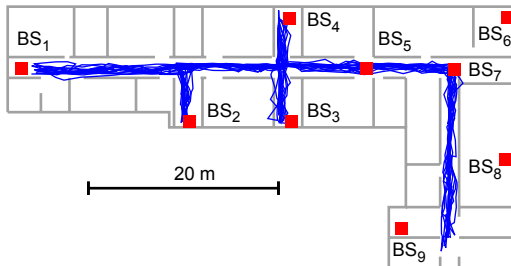
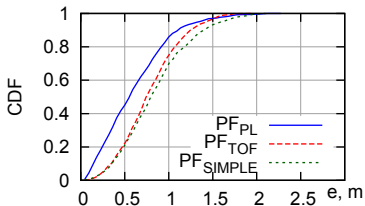
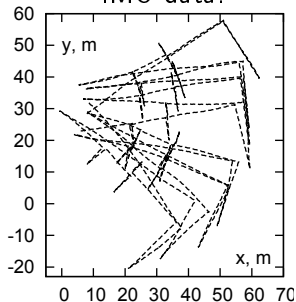


calculated trace:



IMU data:



- accuracy: 1.2 m (75% CDF)
- maximum error is 3.2 m

$$\hat{x}_t = \sum_{i=1}^N w^{(i)} \cdot x_{t,i}; \hat{y}_t = \sum_{i=1}^N w^{(i)} \cdot y_{t,i}$$