

Filter and Constraints

Infrastructure

Sensors at the Client

GPS and A-GPS

GPS Receiver

WiFi

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Bluetooth Beacons

Bluetooth 4.0

Other Sender

Other Receiver

LEDs

Kamera

Magnetometer

Gyroscope

Accelerometer

Barometer

WiFi Fingerprint Map

Bluetooth Fingerprint Map & Beacon Locations

AP Locations

Floor Plan

Landmarks

Pedestrian Movement Model

Fingerprinted Floor Plan

LED Pattern Map

Magnetic Flux Map

Sensor Fusion

Sensor Fusion

Radio

absolute Position

1.1

absolute Position

1.2

absolute Position

Signal Strength & APs

1

Signal Strength & APs

2.1

absolute Position

EDP & TFDP

1

Signal Strength & APs

2.1

absolute Position

Signal Strength & UUID

1

Signal Strength & APs

2.2

absolute Position

Signal Strength & X

1

Signal Strength & APs

2.x

absolute Position

absolute Position

2.x

absolute Position

Magnetic Field

1

Magnetic Field

2.3

absolute Position

change of orientation

1

change of orientation

1

direction and accelerate

1

direction and accelerate

1

air preassure

1

air preassure

1

old position

movement vevtor / relative position

3

absolute Position

absolute Position

4

absolute Position

End