

Tracking Accuracy Comparison

HTC vive vs. Vicon (ongoing)

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Base Stations VS. Cameras

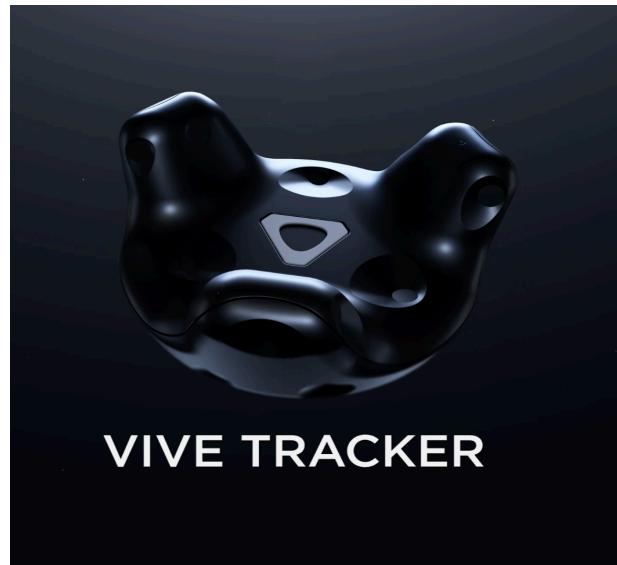


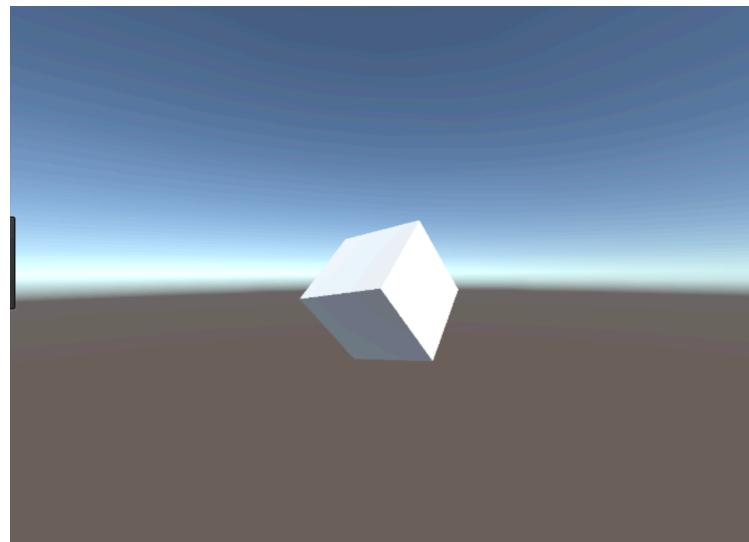
- **2 Lasers provide**
- **Vertical and Horizontal**
- **Frequency 120 Hz**

Trackers VS. Markers

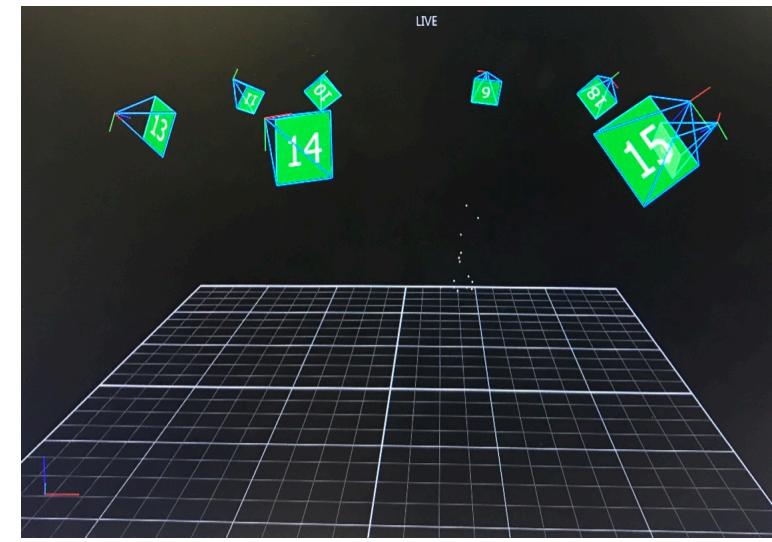


- **Gyroscope**
- **Accelerometer**
- **Frequency 250Hz**



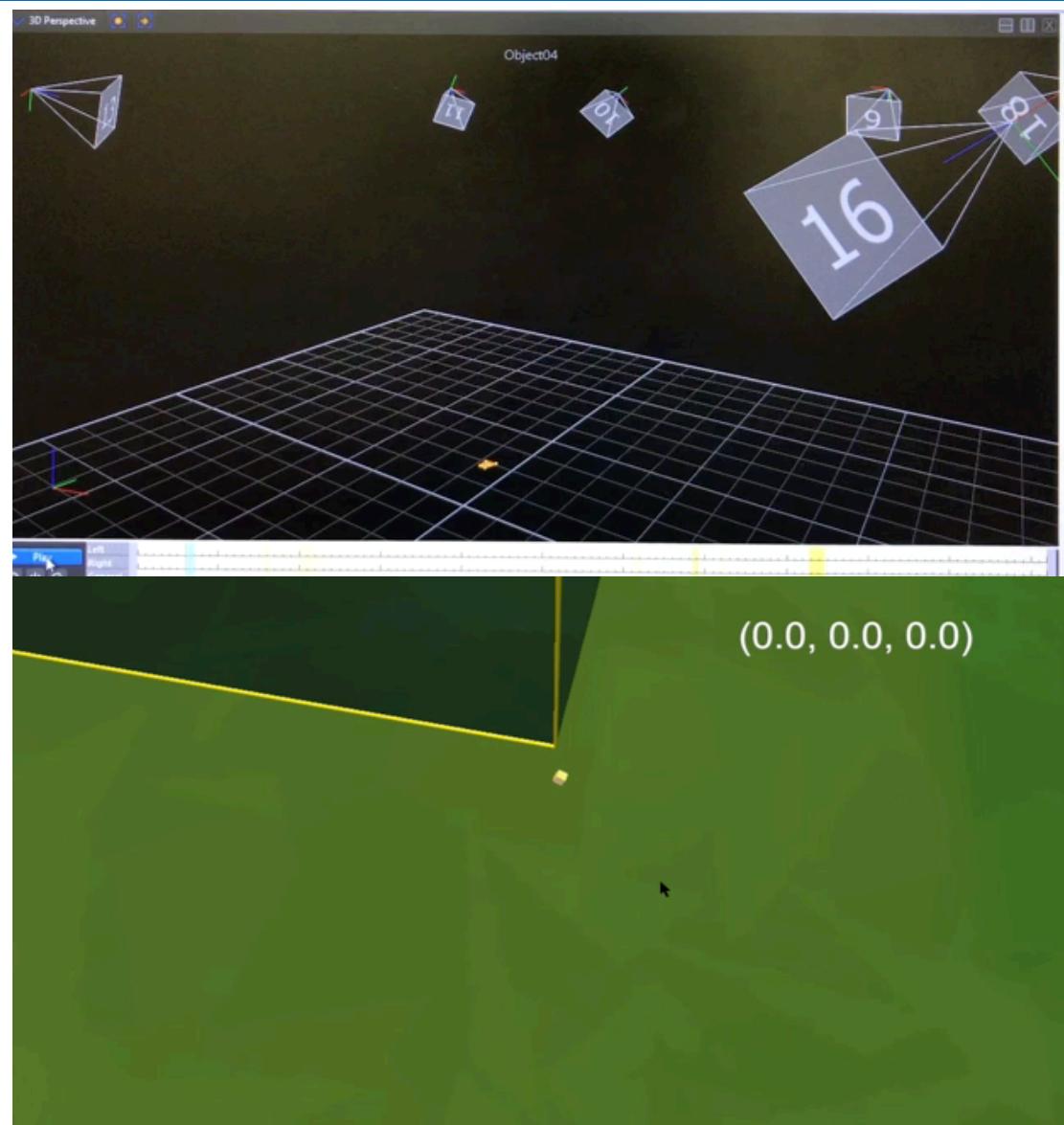


Unity

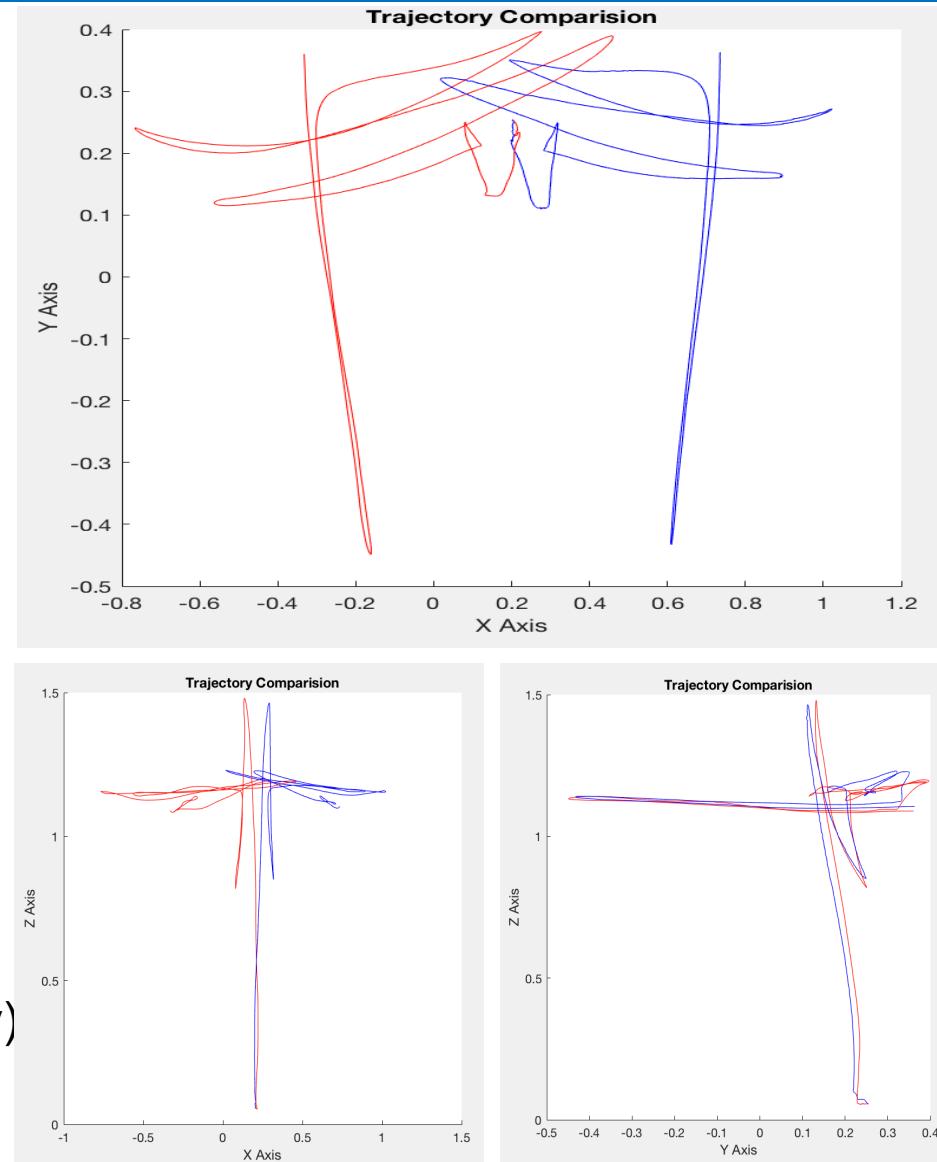
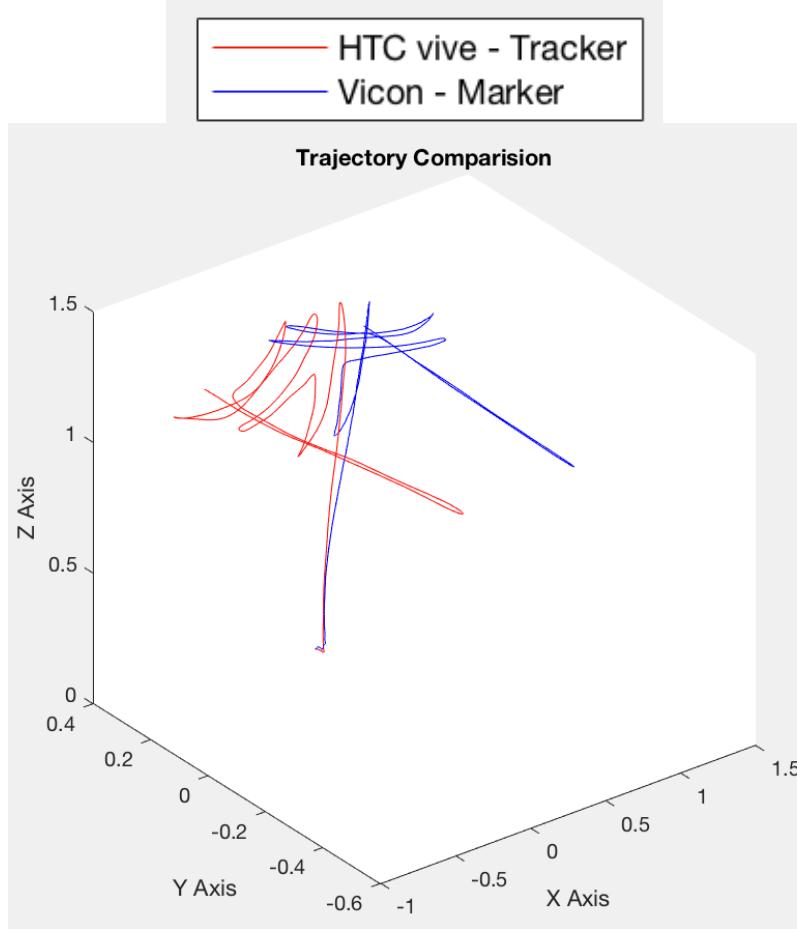


Vicon

EXPERIMENT

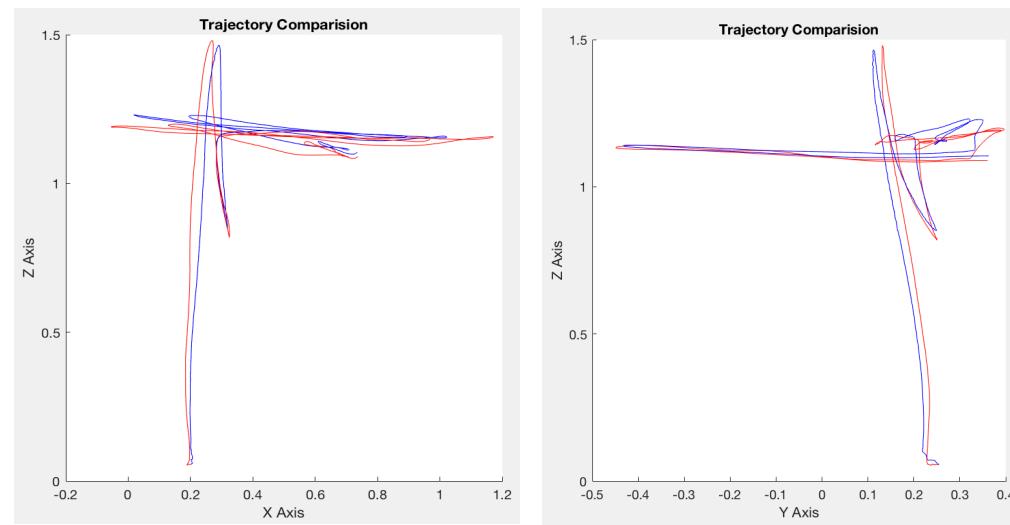
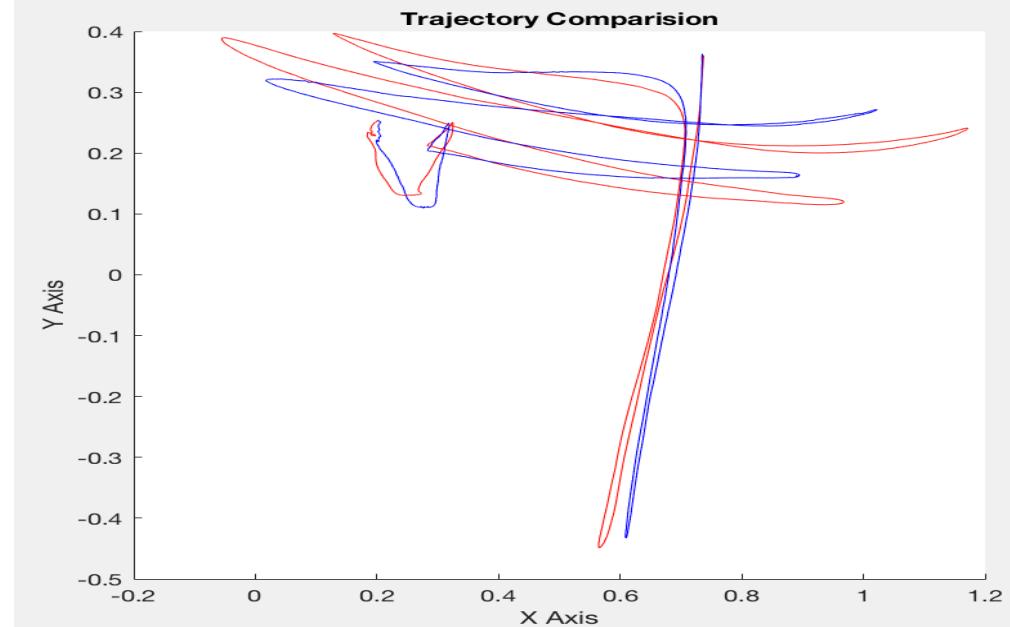
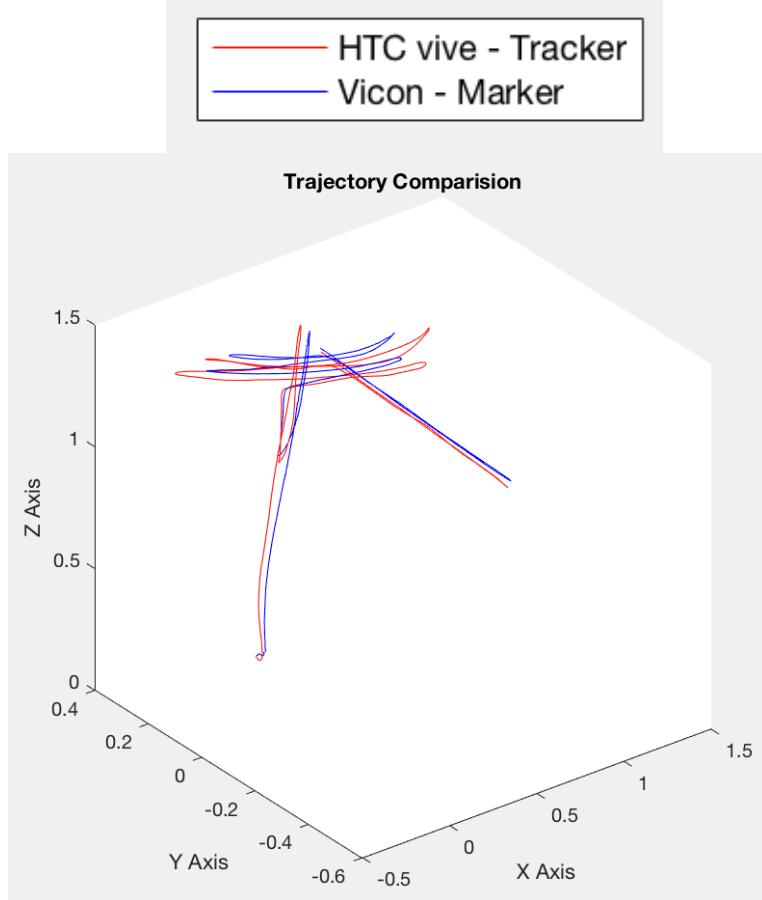


TRAJECTORY



- Mapping:Origin,Rotation,Scale(manually)
- Symmetrical (left & right hand)

TRAJECTORY



- Tracker and one marker
- Improve mapping

- Create a box to put tracker and markers
- Consider several markers (as a segment) instead of one marker
- Compare trajectory
- Gather and compare orientation
- Improve code (Unity, Python, MATLAB)