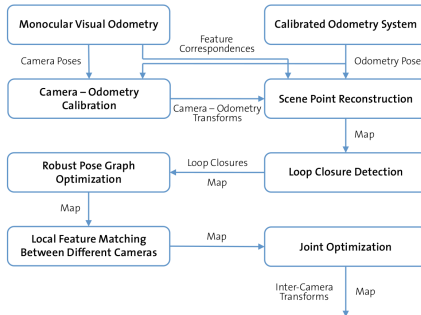


Leveraging Image-Based Localization for Infrastructure-Based Calibration of a Multi-Camera Rig

L. Heng, P. Furgale, and M. Pollefeys (JFR 2015)



- ▶ Efficient, robust, completely unsupervised infrastructure-based calibration method for calibration of a multi-camera rig
- ▶ Using a map of a chosen calibration area via SLAM-based self-calibration (one-time run)
- ▶ Significantly improved version of Heng2013IROS
 - ▶ Robust 6D pose graph optimization
 - ▶ Improved feature matching
 - ▶ More improvements related to joint optimization
- ▶ Extensive experiments to quantify the accuracy and repeatability of the extrinsics
- ▶ Evaluation of the accuracy of the map