

# Appearance-Based Loop Detection from 3D Laser Data Using NDT

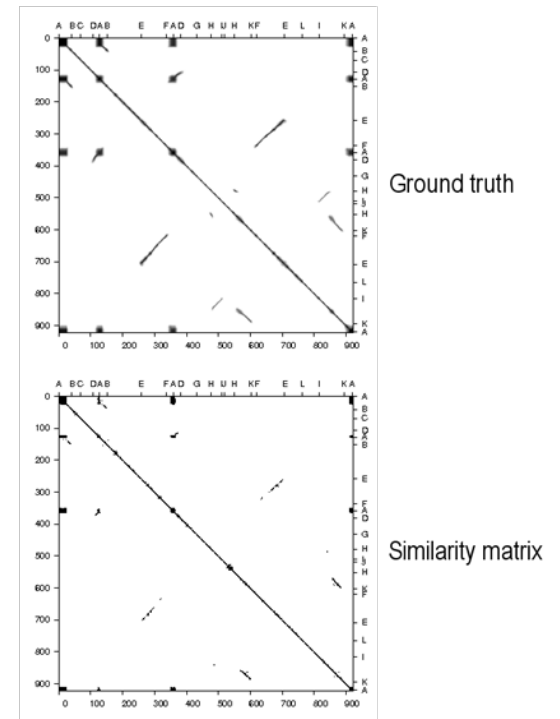
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- Fast 3D SLAM loop closure by matching surface shape histograms.
- Histograms based on local surface orientation and smoothness.
- Quantitative experiments on real-world data.
- Reliability comparable to visual methods: over 30% recall rate.



Evaluation: similarity matrix is similar to ground truth.