

Light Deep Monocular Visual Odometry for Ground Vehicle Supplementary

Xianghui Wang and Hui Zhang

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1 Motion Variance Visualization

In order to show the representative representative of the selected sequence in Figure 3 of our paper, We also visualize the motion variance and motion correlation of all other KITTI visual odometry datset sequenece (00-10) as shown in Figure 1 and Figure 2. We can find that, the pattern of all sequences are similar with Figure 3 used in the manuscript except the sequence 04, because there is almost no rotation in sequence 04.

2 Reconstructed Path after Motion Focusing

We also visualized other reconstructed paths in addition of the two in Figure 8 of our paper here in Figure 3.

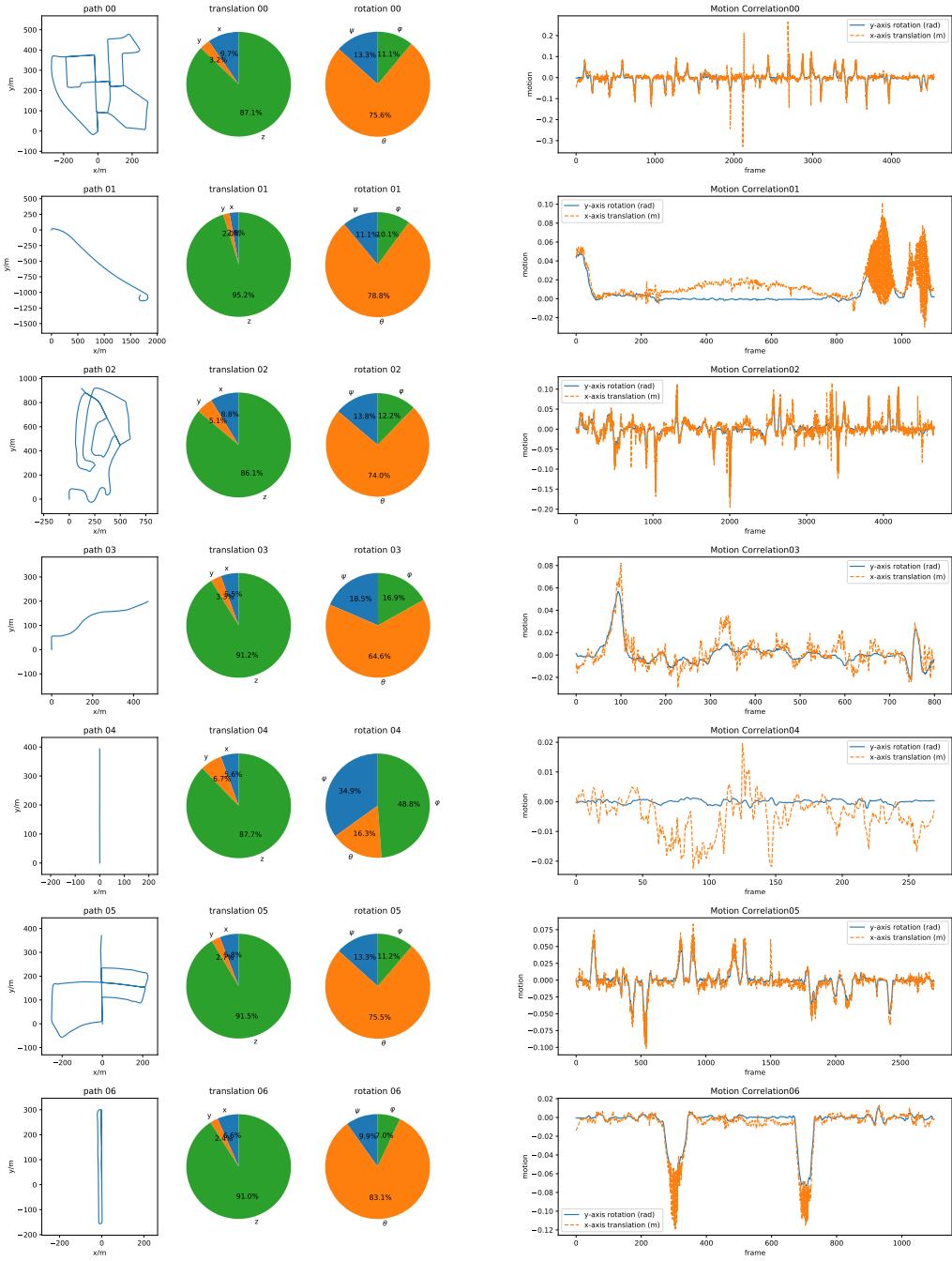


Figure 1: Motion pattern analysis: sequence 00-06

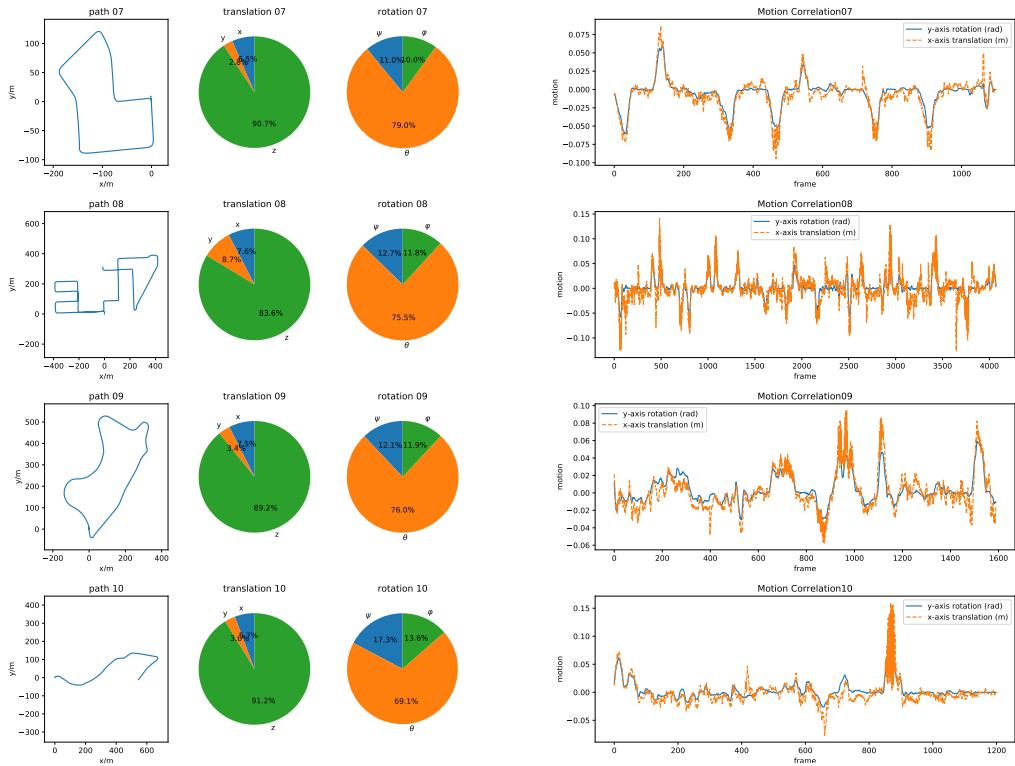


Figure 2: Motion pattern analysis: sequence 07-10

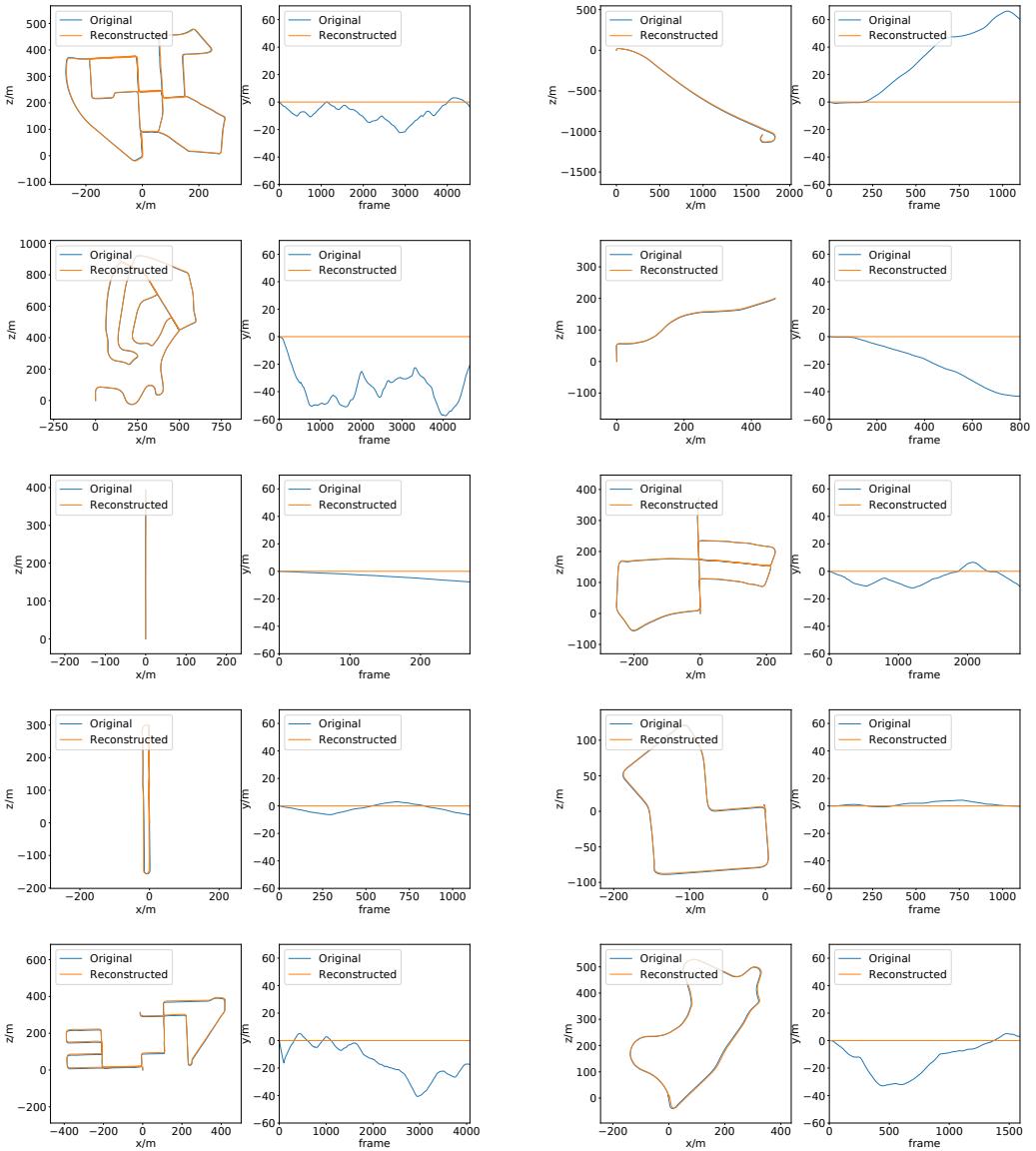


Figure 3: Reconstructed path 00-10