

# About the criterion of shape\_estimation in perception module #3317

Unanswered HMX2013 asked this question in Q&A



HMX2013 on Mar 7, 2023

The shape\_estimation node used the Closeness Criterion to evaluate the bounding box fitting. But in many papers. It said the Variances criterion have better performance. So I want to know why the autoware used Closeness Criterion instead of Variances criterion.

Actually I test these two criterion on KITTI dataset, the mean absolute orientation error of Closeness Criterion is 1.8 deg, the mean absolute orientation error of Variances Criterion is 3.8 deg. But the results doesn't match the paper's result. So I think maybe my implementation is wrong or the Closeness Criterion is truly better.

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Category



Q&A

Labels

None yet

1 participant



0 comments