Novel methods for effective household object classification using depth images

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ABSTRACT

In this thesis, we propose a novel model with high classification performance using an additional structure called non-local block. Object recognition field that utilizes depth images is one of the key technologies in robotics and autonomous driving fields. Therefore, this thesis suggest a much improved model using not only RGB information but also depth information. In order to use the depth features well, we improve the classification accuracy by using a non-local block, one of the types of attention structures.

REFERENCES

References are to be listed at the end of the paper in the order of the reference, and are referred to in the paper by the numbers in brackets such as [1, 2]. Style the reference list according to the following examples.

(1) Paper in a journal

(2) Paper in Conference Proceedings

REFERENCES
