

SIFT And CNN in Objects Classification

COMP61342&41342 Cognitive Robotics And Computer Vision Assignment Report

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Abstract—This project aims to explore the use of SIFT (Scale-Invariant Feature Transform) and CNN (Convolutional Neural Network) in object classification tasks. By implementing these two different approaches on different datasets, we aim to compare their performance and understand their strengths and weaknesses in the context of object recognition.

Index Terms—Local Feature, CNN, Object Classification

I. Introduction

[1]

II. Ease of Use

III. Prepare Your Paper Before Styling

References

- [1] S. Fanello, C. Ciliberto, M. Santoro, L. Natale, G. Metta, L. Rosasco, and F. Odone, “icub world: Friendly robots help building good vision data-sets,” in Proceedings of the IEEE conference on computer vision and pattern recognition workshops, 2013, pp. 700–705.