Title

Your Name

Your Department - Technische Universität München

Abstract

Write a brief abstract here (around 100 words). Make sure to make the topic clear and maybe point out key publications.

1 Introduction

The introduction is expected to give a short background information about the topic. It should also provide some context going beyond the selected papers that you present in your work. Do not (!) blindly repeat all related papers listed in the paper.

2 Method description

This section should briefly describe the key methods / papers that you are presenting. Try to find the right balance between too little information for understanding and overwhelming details. If you choose to use formulas, make sure you introduce all variables and explain what the equations mean. Feel free to simplify notation w.r.t the presented paper. Figures clarifying certain aspects should follow consistent notation and make sense without the original paper.

3 Experiments and results

Try to find a mix between qualitative and quantitative results. Choose the most meaningful results and describe under what settings they were obtained. Highlight things that are particularly interesting. Result figures and tables can be copied from the original papers.

4 Discussion / Conclusion

These two points can go together in one section. Here, you should discuss the results, in particular comparing different approaches. Also, feel free to write your personal opinion about drawbacks and/or possible extensions of the presented papers.

Additional remarks about the report

- You are not expected to implement the methods described in the paper you have been assigned.
- Please use citations when appropriate. If you use any figures or tables, please make sure you cite the original paper. Add your citations in bibtex format into the file `report.bib`. An example is [1]. Personally, I prefer `dblp`[1] over `google scholar`[2] because it is easier to find the reference to the peer reviewed version of the paper. Please avoid citing arxiv papers, if the same paper was published in a peer reviewd conference/journal.
- Please keep all your formulas numbered. You can use the equation environment for this: Please use the equation environment to get automatic equation numbering:

$$SE(3) = \left\{ \begin{pmatrix} R & \mathbf{t} \\ \mathbf{0} & 1 \end{pmatrix} : R^\top R = R R^\top = I_3, \mathbf{t} \in \mathbb{R}^3 \right\} \tag{1}$$

- The report should be no longer than 5 pages (without citations).
- Please do not change the layout (page margins, font size, etc.).

References

[1] Richard A. Newcombe, Shahram Izadi, Otmar Hilliges, David Molyneaux, David Kim, Andrew J. Davison, Pushmeet Kohli, Jamie Shotton, Steve Hodges, and Andrew Fitzgibbon. KinectFusion: Real-time dense surface mapping and tracking. In *Proceedings of the 2011 10th IEEE International Symposium on Mixed and Augmented Reality*, ISMAR '11, pages 127–136, Washington, DC, USA, 2011.

[1] `https://dblp.uni-trier.de/`
[2] `https://scholar.google.com/`