Bachelor Thesis

Titel

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Statement of Originality

This thesis has been performed independently with the support of my supervisor/s. To the best of the author's knowledge, this thesis contains no material previously published or written by another person except where due reference is made in the text.

Braunschweig, January 24, 2023

Aufgabenstellung / Task Description

Deutsch:

English:

Abstract

Abstract [1] [3] [2]

Contents

Bibliography

[1] A. Becker, E. D. Demaine, S. P. Fekete, G. Habibi, and J. McLurkin. Reconfiguring massive particle swarms with limited, global control. In P. Flocchini, J. Gao, E. Kranakis, and F. Meyer auf der Heide, editors, *Algorithms for Sensor Systems*, pages 51–66, Berlin, Heidelberg, 2014. Springer Berlin Heidelberg.

[2] A. Bhattacharjee, Y. Lu, A. T. Becker, and M. Kim. Magnetically controlled modular cubes with reconfigurable self-assembly and disassembly. *IEEE Transactions on Robotics*, 38(3):1793–1805, 2022.

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