

Robotic systems Report

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1 Introduction

1.1 Robot design

2 Mathematical modelling

2.1 Sensors

2.2 Actuators

2.3 Overall system

2.4 Experiments, validation

3 The kidnapped robot problem

3.1 Localization

3.2 Navigation and planning

4 Results

4.1 Simulation

4.2 Experiments

5 Discussion

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