

# **Deep Reinforcement Learning for Octree-Based Robotic Grasping**

Learning Manipulation from 3D Observations

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Robotics

Master's Thesis







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# AALBORG UNIVERSITY

## STUDENT REPORT

**Title:**

Deep Reinforcement Learning for  
Octree-Based Robotic Grasping

**Abstract:**

TODO: Abstract
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**Theme:**

Master's Thesis

**Programme:**

Robotics

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**Number of Pages:**

15

**Submission Date:**

April 8, 2021

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# Resumé

TODO: Resumé in Danish

# Preface

TODO: Preface

Test citation (TODO: remove test citation): (Name, 2000)

# Glossary

**2D** Two-dimensional  
**3D** Three-dimensional

# 1 Introduction



## **2 Related Work**

## **3 Background**

# **4 Model-Free Reinforcement Learning**

## **5 Problem Formulation**

# **6 Network Architecture**

## **7 Simulation Environment**

## **8 Experimental Setup**

## 9 Results



## **10 Ablation Studies**

## **11 Discussion**

## **12 Conclusion**

## **13 Future Work**

# Bibliography

Name, R. (2000). Fascinating title. *Journal of Testing* 420(69), 69–420.

# **A Dataset**