### DEPARTMENT OF PHILOSOPHY, LINGUISTICS AND THEORY OF SCIENCE

# SPATIAL RELATIONS IN EMERGENT LAN-GUAGES

This is the subtitle

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### **Abstract**

### Preface

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## 1 Introduction

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- 1.1 Research Question
- 1.2 Motivation
- 1.3 Contribution
- 1.4 Scope

#### **Background and Related Work** 2

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#### 2.1 Language Games

### [Dominik Künkele]

- EGG
- Resnet

#### 2.2 Dataset

#### [Dominik Künkele]

- CLEVR
- 3D objectssimple objects
- CLEVR baselines

### 3 Experimental Setup

#### [Dominik Künkele] 15 pages

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### 4 Results and Discussion

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### Ethical Considerations

[Dominik Künkele] 1 pages

# 6 Critiques and Limitations

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[Dominik Künkele] combine with future work

### **7 Future Work**

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### 8 Conclusion

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### References

## A Resources