



DEPARTMENT OF PHILOSOPHY,
LINGUISTICS AND THEORY OF SCIENCE

SPATIAL RELATIONS IN EMERGENT LANGUAGES

This is the subtitle

Dominik Künkele

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Supervisor:	Simon Dobnik
Examiner:	Asad Sayeed
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Abstract

Preface

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1 Introduction

[Dominik Künkele] 2 pages

1.1 Research Question

1.2 Motivation

1.3 Contribution

1.4 Scope

2 Background and Related Work

[Dominik Künkele] 7 pages

2.1 Language Games

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- EGG
- Resnet

2.2 Dataset

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- CLEVR
 - 3D objects
 - simple objects
- CLEVR baselines

3 Experimental Setup

[Dominik Künkele] 15 pages

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- what is ambiguity?
- control over dataset
- target object/target group/non-target group:
 - 1. how many objects?
 - 2. how many shared attributes?
 - 3. which shared attributes?
 - 4. level of ambiguity
- as close to CLEVR as possible
 - image size
 - number (10.000)
 - between 3 to 10 objects ???
- unambiguous dataset:
 - target group = non-target group
 - all attributes shared, except for the color
 - → describable with one 'word'

4 Results and Discussion

[Dominik Künkele] 15 pages

5 Ethical Considerations

[Dominik Künkele] 1 pages

[Dominik Künkele] 1 big model vs. many task specific models

6 Critiques and Limitations

[Dominik Künkele] 3 pages

[Dominik Künkele] combine with future work

7 Future Work

[Dominik Künkele] 2 pages

8 Conclusion

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References

A Resources