

# Elements of Formal Semantics

Yoad Winter <http://www.phil.uu.nl/~yoad/efs/main.html>

Edinburgh University Press, 2016

## CONTENTS

Acknowledgments	vii
Notations	ix
Abbreviations	xi
1 Introduction	1
Aims and organization of this book	4
On the exercises in this book	6
Who is this book for?	6
Presupposed background	7
For the instructor	7
<i>Further reading, exercises, solutions</i>	8
2 Meaning and Form	12
Entailment	12
Models and the Truth-Conditionality Criterion	17
Arbitrary and constant denotations	22
Analyzing an entailment	24
Direct compositionality	27
Structural ambiguity	30
<i>Further reading, exercises, solutions</i>	35
3 Types and Meaning Composition	44
<i>Part 1: Types and Domains</i>	45
<i>Part 2: Denotations at Work</i>	52
<i>Part 3: Using Lambda Notation</i>	64
<i>Part 4: Restricting Denotations</i>	72
<i>Further reading, exercises, solutions</i>	90

vi	CONTENTS	
4	Quantified Noun Phrases	99
	Generalized quantifiers and the denotation of quantified NPs	101
	Looking at generalized quantifiers in models	106
	Quantifier monotonicity	109
	Quantified NPs and verb phrase coordination	112
	Determiner expressions	114
	A note on monotonicity and negative polarity items	122
	More entailments, and determiner conservativity	124
	Coordination of quantified NPs	125
	Proper names and generalized quantifiers	127
	<i>Further reading, exercises, solutions</i>	131
5	Long-Distance Meaning Relationships	139
	Clauses with multiple noun phrases	141
	Hypothetical reasoning and the Lambek-Van Benthem Calculus	148
	Linguistic signs and Abstract Categorical Grammar	159
	Using signs	167
	<i>Further reading, exercises, solutions</i>	183
6	Intensionality and Possible Worlds	190
	Puzzles about intensional expressions	191
	Extensions, intensions and possible worlds	198
	Intensionality and grammar architecture	211
	<i>De dicto/de re</i> interpretations and scope ambiguity	218
	<i>Further reading, exercises, solutions</i>	226
7	Conclusion and Further Topics	232
	Recapitulation	232
	Where to go from here?	233
	More topics and readings in formal semantics	234
	Appendix to Chapter 3	239
	Bibliography	246
	Index	253