Introduction to Semantics

An Essential Guide to the Composition of Meaning

by
Thomas Ede Zimmermann
Wolfgang Sternefeld

De Gruyter Mouton

Contents

Pr	eface		V		
1	Lite	ral Meaning	1		
	1	Hidden Sense	1		
	2	Irony and Implicature	4		
	3	The Way You Say It	6		
	4	Difficult Sentences	8		
2	Lexical Semantics 1				
	1	What's in a Word?	12		
	2	Homonymy and Polysemy	15		
	3	Sense Relations	18		
	4	Semantic Networks	20		
3	Stru	actural Ambiguity	25		
	1	Some Elementary Examples	25		
	2	Scope and Syntactic Domains	34		
	3	Syntactic Domains and Reconstruction	38		
	4	Logical Form	46		
		4.1 The LF Scope Principle	46		
		4.2 Quantifier Raising	48		
		4.3 Opaque and Transparent Readings	51		
		4.4 More Hidden Structure*	53		
	5	Summary	55		
4	Intr	roducing Extensions	58		
	1	Frege's Principle	58		
	2	A Farewell to Psychologism	59		
	3	Extensions for Words and Phrases	62		
		3.1 Referential Expressions	62		
		3.2 Common Nouns	64		
		3.3 Functional Nouns	66		
		3.4 Verbs and Verb Phrases	70		
	4	Truth Values as Extensions of Sentences	72		
	5	Thematic Roles	75		

viii Contents

5	Cor	posing Extensions	83
	1	Truth Tables	84
	2	Referential Subjects and Objects	88
	3	Sets and Set-Theoretic Notation	93
	4	Referential Arguments and Functional Nouns	98
	5	Analyzing Structural Ambiguities	104
		5.1 Logical Connectives: <i>and</i> and <i>or</i>	104
		5.2 Nominal Modification	108
		5.3 Calculating an Attachment Ambiguity	111
		5.4 Plural NPs*	113
6	Qu	antifiers	115
	1	Determiners and Quantifiers	115
	2	Names as Quantifiers	122
	3	Type-Driven Interpretation	125
	4	Quantifying DPs in Object Position*	129
		4.1 Solution 1: Quantifier Raising	130
		4.2 Solution 2: <i>In Situ</i> Interpretation	133
		4.3 Discussion	135
	5	The Verb to be	136
7	Pro	positions	138
	1	Intensional Contexts	138
	2	Cases and Propositions	139
	3	Logical Space	143
	4	Propositional Logic as the Logic of Propositions	145
		4.1 Venn Diagrams and Truth Tables	145
		4.2 Logical Connectives Revisited	150
		4.3 Material Implication and Valid Inferences	155
	5	Limits and Limitations of Propositional Logic	161
		5.1 Beyond Truth Functionality	161
		5.2 Exclusive <i>or</i>	165
		5.3 Non-Clausal Connectives	168

8	Inter	nsions	170		
	1	From Propositions to Intensions	170		
	2	Composing Intensions	173		
	3	Intensions and Sense Relations	177		
	4	Compositional vs. Lexical Semantics	181		
	5	Hintikka's Attitudes	188		
	6	From Intension to Extension and Back Again	193		
	7	Tense, Time, and Logic*	199		
9	Pres	uppositions	205		
	1	The Definite Article	205		
	2	More on Entailments and Truth Value Gaps	211		
	3	Presupposition and Assertion	218		
	4	Presupposition and Discourse	220		
	5	Accommodation	225		
	6	Presupposition Projection*	228		
10	Com	positional Variable Binding*	232		
	1	The Problem	232		
	2	Assignments	233		
	3	Interpreting Variable Binding	239		
	4	Compositionality	240		
	5	Predicate Logic	244		
		5.1 Basic Definitions	244		
		5.2 Some Variants and Alternatives	247		
		5.3 Predicate Logic and Compositionality	248		
		5.4 Validity, Logical Equivalence, and Entailment	249		
	6	The Lambda Operator	253		
		6.1 Predicate Logic with Lambda Terms	253		
		6.2 Beyond Predicate Logic	258		
So	lution	as to the Exercises	262		
Re	References				
In	Index				