

Contents

List	of Tables Page	xvii
Prefe	асе	xxi
Ackn	nowledgments	xxiv
	of Abbreviations and Special Symbols	XXV
Intro	oduction	1
I	MODES OF MODALITY	11
Prag	gmatics: Modality and Speaker Orientation	13
1.1	The Human as an Animal Catoptricum	13
1.2	Modality, Deixis, and Orientation in Displaced Worlds	15
1.3	Simple and Double Displacement as Basic Building Blocks	
	of Modality	18
	1.3.1 Cognitive and Linguistic Perspectivization: The	
	Viewpoint Constellation	18
	1.3.2 Simple and Double Displacement	21
	1.3.3 Viewpoint vs. Displacement: Two Different	
	Frameworks?	23
1.4	Modal Verbs and Modal (Discourse) Particles: Their	
	Derived Double-Displacement Status	24
1.5	The Fundamental Pragmatic Nature of Modality	27
	1.5.1 Modality, Displacement, and Theory of Mind	27
	1.5.2 Displacement of the Origo	27
	1.5.3 ATMM and Double Displacement	37
	1.5.4 Modality and the Grammatical Category of Person	41
	1.5.5 Modality and the Development of Theory of Mind	43
	1.5.6 Lexical Deixis vs. Grammatical Deixis	44
1.6	Modality and Certainty	45
1.7	,	
	Displacement	48
1.8	Wrap-Up: Subjectivity Warranting Certainty?	51

ix



x Contents

	1.9)1 E	<i>5</i> 1
	1.10	Different Grammars of the Possible Summary and Outlook: The Linguistic Basis of a Non-naive	54
		Realism	57
2	(Inte	er)Subjectification and Foreign Consciousness	
	Alig	nment	60
	2.1	Modality and Others' Minds	60
	2.2	Theory of Mind and Foreign Consciousness Alignment	61
	2.3	Foreign Consciousness Alignment on Modal Particles, Modal	
		Root, and Epistemic Verbs	65
	2.4	Intersubjectification and Foreign Consciousness Alignment on	
		Hidden Modality	69
3	Mod	lality as Distance: From Aspect to Modality	72
	3.1	Methodological Caveat	72
	3.2	Once Again: What Modality Is About	72
	3.3	Brief Exposition of Von Wright's Modal Logic	74
	3.4	Graded Modality (Relative Modality)	78
	3.5	Concepts and Terminologies	81
	3.6	The Modal Verb in a Special Class of Verbs	84
		3.6.1 Modalization in the Modalized V-Complex	85
		3.6.2 Modality and Future Topic Time	86
	3.7	Aspectual Selection Restriction on MV-Modality	89
		3.7.1 The Contextual Perfective-Imperfective Choice	89
		3.7.2 MVs as Prototypical Non-Progressives	93
		3.7.3 The Aspect-Modality Link in Languages without Modal	
		Verbs	94
		3.7.4 On the Covert Link between Imperfectivity	
		and Epistemicity	99
	3.8	Memory Affinities of Modalization	102
	II	VERBAL MODALITY	105
4	The	Syntax-Semantic-Pragmatic Interface	
	of N	Iodal Verbs	107
	4.1	Root Modality vs. Epistemic Modality	107
	4.2		109
	4.3	-	111
	4.4		112
	4.5	The Logical and Syntactic Relations between Negation	
		and Modality	114



				Contents	xi
	4.6	Scalar F	Relatio	ns: Scope Reach and Negation	116
	4.7			Usage of the Scope of Negation	118
	4.8			es Different from Evidentials?	119
	4.9	The Evi	dentia	l and Epistemic Differential: Constraining	
		Criteria			121
	4.10	Criteria	of Per	rson Origo	122
		4.10.1		nmar vs. Lexicon: Modal Verbs vs. Modality	
			Adve	rbials	122
		4.10.2	The S	Source Evidence Differential: Person Shift in	
				emicity	125
	4.11			istemics, Evidentials, and Negation	127
	4.12	Aspectu	ıal Coı	ntingency of the Root-Epistemic Distinction	128
5	The	Perspec	tival	Specifics of Verb Modality in German	132
	5.1	The Gene	eral Cl	haracteristics of Modal Verbs?	132
	5.2	Modal V	erbs ui	nder Negation: Fundamentals	134
	5.3	Negation	Conte	exts in Verbal Modality	136
	5.4	Marked S	Scopin	g: The Not-Only Cases in Verbal Modality	137
	5.5	Morphos	_		137
				atus Complements	138
				etness – 'Strong Coherence'	138
			•	etness: Right-Branching vs. Left-Branching	140
				initivus-Pro-Participio Effect (Ersatzinfinitiv)	145
				ects and the Status 1 vs. Status 3 Difference	146
				ve Morphology	147
			•	Semantics	148
				Covert Subject PRO	149
			.5.7.2		149
		5.	.5.7.3	•	1.50
		5	571	(Infinitival) CPs – Disallowing MVs	150
		3.	.5.7.4	Raising Constructions Mapping Theta-less MV- Clusters – Allowing MVs	150
		5	.5.7.5	Scope Relations	150
	5.6			-Verbs and Modal Verbs Have in Common?	151
	5.0			erbs and Modal Verbs	152
				nstraints at a Glance	153
				emarks on MV-Syntax in German and Other	100
			angua		156
6	The	Syntax	of Ma	odal Verbs in German, Dutch,	
•		English	JI 1710	The second of many Duten,	157
	6.1	_	What	Are Modal Verbs across Languages?	157
	6.2	-		stributional Differences	158
	0.2	1110 171a	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		100



xii Contents

6.3	j i				
	German and Dutch				
6.4		Deontic Modal Verbs, Full Verb Status, and Finite			
	Auxili			165	
	6.4.1	The Eve	ent Structure of Modal Verbs	165	
		6.4.1.1	Inchoativity as the Central Aspectual		
			Property of DMV	165	
6.5	On the	e Volatilit	y of the Aspect-Modality Relation	168	
6.6	The D	eeper Inte	eraction between Aspect, or Aktionsart,		
	and M	odality		171	
	6.6.1	Aspect 1	Determines the Semantics of Aktionsart	171	
	6.6.2	The Prin	ncipled Link between Modality and		
		Aspect		172	
	6.6.3	The Asp	pect-Modality Correlations in Languages		
		without	Modal Verbs	175	
		6.6.3.1	Typological Sources	175	
		6.6.3.2	Slavic Correspondents of German of		
			Voluntative Modality: Wollen 'Will'	175	
		6.6.3.3	Slavic Correspondents of German of Weak		
			Deontic Modality: Sollen 'Shall'	176	
		6.6.3.4	Slavic Correspondents of German Possibility:		
			Können 'Can'	176	
		6.6.3.5	Slavic Correspondents of German Strong		
			Deontic Modality: Müssen 'Must'	176	
		6.6.3.6	Slavic Correspondents of German		
			Voluntative Modality: Mögen 'May'	177	
		6.6.3.7	Slavic Correspondents of German of		
			Permissive Modality: <i>Dürfen</i> 'May, Be		
			Allowed To'	177	
		6.6.3.8	On the Interdependence of the Thematic	1,,	
		0.0.5.0	Properties of Modal Verbs and the		
			Root-Epistemic Distinction	179	
6.7	Comp	arative Sy	-	181	
6.8	Wrap-	•	, ind.	183	
6.9			ation by Phase	184	
6.10		-	odal Verbs: The Main Criteria	185	
0.10	6.10.1			185	
	6.10.2		Sidei	185	
	6.10.2	1	s Yield Asymmetric Predicates	186	
	0.10.3	Modali	s Tierd Asymmetric Fredicates	100	
Mod	lal Verl	b Semar	ntics	188	
7.1	Origo P	Perspectiv	es of Modal Verbs and Their Complexes	188	
7.2	_	-	ns: 'Viewing Distance'	197	
	1				

7



			Contents	xiii
	7.3	Imperfectivity Does Not Al	ways Link with Epistemicity	200
	7.4	The Copula as a Compleme	ent	207
	III	ADVERBIAL MODALIT	Y	211
8	Mo	dal Particles: The Enig	matic Category	213
	8.1	Modal Particles as an Illo	cutionarily Distinct Type	
		of Discourse Marker		213
	8.2	Modality in the Narrow S	ense	221
	8.3	MP-Source Categories and	d Their Underspecified MP-Results	224
	8.4	Modal Particles as Free G	rammatical Morphemes in German	
		and in Other Languages		228
	8.5	Word Order Options for M	Iodal Particles under Finiteness and	
		Non-finiteness		232
	8.6	Serialization Options and	Constraints between Modal Particles	233
	8.7	Conclusion		237
9	Th	e Attitudinal Force of M	lodal Particles	238
	9.	Strong Modality and Tru	th Valuability	238
	9.		Modal Particle – and Its Merging	
		Property	5 5	240
	9.		of Modal Particles?	241
	9.	•		244
	9.	Modal Particles in Deper	ndent Sentences	245
	9.	-		247
	9.		rbial and Other Dependents: Force	
		as an Extension of CP	·	250
	9.	Autonomous or Inherited	Force?	252
	9.	Phase and Edge Condition	ons: Clausal Dependency and Root	
		Qualities		255
	9.1	How Do Dependent Clau	ises Receive Force Potential?	258
	9.1	Speaker Deixis and the S	ubjunctive: Liberalizing the Left	
		Periphery		262
	9.1	The Special Architecture	of the Force Phase: Phase	
		Motivation		264
	9.1	The Internal Phase Archi	tecture	264
		9.13.1 Intact vs. Defect	tive Left Phase Edges	266
		9.13.2 Quote Prosody a	and the Factive/Non-factive	
		Distinction		267
		9.13.3 Bridge Test		267
	9.1	Autonomous Speaker-De	eixis Potential on Non-factive	
		Complements		268



xiv Contents

		9.14.1	The Speaker-Deixis Potential	268
		9.14.2	No Speaker-Deixis Potential on Factive	
			Complements	269
		9.14.3	No Speaker-Deixis Potential for Temporal-Locative	
			Adverbial Clauses	269
		9.14.4	The Speaker-Deixis Potential for 'Logical'	
			Adverbial Clauses	270
		9.14.5	Adnominal Dependency: Restrictive vs.	
			Non-Restrictive Relative Clauses	270
	9.15	Phase-A	Anchoring Speaker Deixis	271
	9.16	What N	Makes Non-factive Predicates Structurally Stronger	
		than Fa	active Ones?	274
	9.17	Speake	r Deixis: Edge Features	275
	9.18		Summary	276
	9.19	MP-Sel	lection and Felicity Prerequisites	276
		9.19.1	Felicity Conditions	277
		9.19.2	The Source-Target Relation of MPs and Their	
			Stressed Variants	282
		9.19.3	Root Non-finites and MP-Selection	284
		9.19.4	Relative MP Order	286
10	Mod	al Parti	icles between Context, Conversation,	
		Conven		290
	10.1	Modal	Particles and Conventional	
		Implica	atures?	290
	10.2	From N	MP-Lexical to Attitudinal MP-Status	290
	10.3	How D	oes Mirativity Come About?	292
		10.3.1	Mirativity under Accent-Free Focus	293
		10.3.2	VF, MP, and Mirative Unexpectedness	296
	10.4	On the	Specific Relation between Verum Focus, Sentence	
		Type, a	nd MP-Selection	298
		10.4.1	Verum Focus – Distributed on Grammatical-	
			Functional Components	299
		10.4.2	Focused MPs: The MP/MP-Focus Differential	301
	10.5	The Mi	rative Import Due to Unexpected Emphasis and	
		Modal	Particles	303
		10.5.1	Formal Assumptions	303
		10.5.2	Mirative Import Specified by MP-Source Legacy	304
	10.6	Modal	Particles as Grammatical Functions	305
	10.7	Modal	Particles and Grammaticalization	307
11	Mod	al Parti	icles outside of Finiteness	311
	11.1		Particles at the Word Level	311
	11.1	TVIOUAL .	i di dicios di dice viola novoi	211



			Content	s xv		
		11.1.1	The Phenomenon	311		
		11.1.2		312		
		11.1.3	Expressive Content	314		
		11.1.4	MP-in-DP and Intersectivity of the Attributive			
			Adjectival	316		
		11.1.5	Epistemic Force Scope in DP	317		
		11.1.6	Time Reference vs. Tense Inside DP	318		
		11.1.7	Wrap-Up	320		
		11.1.8	MP-Attraction to Wh-Pronominals	320		
	11.2	Root N	on-finites and the Selection of Modal Particles	322		
		11.2.1	Root Non-finites	323		
		11.2.2	Conclusion: MP and Finiteness	325		
	11.3	Once A	gain	327		
		11.3.1	Thoughts Do Not Simply Travel from Speaker to			
			Addressee	327		
		11.3.2	Derivation: From Surface to Covert Scope Position	328		
	IV C	OVERT	MODALITY	331		
12	Covert Patterns of Modality					
	12.1		mena: Modality behind the Scenes	333		
	12.2		of Covert Modality	334		
	12.3		lity Covertly Coded by Phrasal Prepositional	551		
	12.0		ives: Foundational Issues	338		
	12.4		hrasal Prepositional Status of Infinitivals Eliciting	330		
	12.1		Denotations	347		
		12.4.1		347		
			Object Relative Infinitive	352		
		12.4.3	·	354		
		12.4.4	-	331		
		12	Directional	354		
		12.4.5		355		
	12.5		et Raising Infinitive on iV	355		
	12.6	-	t Infinitive – Decausative iV	357		
	12.0	12.6.1		331		
		12.0.1	Unaccusative Verbs	358		
		12.6.2		359		
		12.6.3	•	337		
		12.0.3	Relatives	361		
	12.7	Overt	Modal Form, but No Modal Meaning	362		
	12./	12.7.1		362		
		12.7.1		302		
			Epistemic Modal Verbs)	363		



xvi Contents

12.8	Covert Modal Logic: The Root Alternatives and	
	Epistemicity	364
12.9	The Root Modalities on the Gerund: $Zu(m)$ + Infinitive	365
12.10	Transitivity-Intransitivity	367
12.11	What Is behind Covert Modality and Its Epistemicity Gap?	367
12.12	Perfective Aspect and Tense	368
12.13	Covert Modality and Diathesis	369
12.14	Necessity on $Haben/Have + Zu/To + V$	371
12.15	Summary: Covert vs. Overt Modality	374
12.16	Form and Morphologically Explicit Modality Early On:	
	HAVE/BE(+DP) + Zu-Infinitive	377
12.17	Conclusion	378
Bibliog	raphy	381
Index		416