Contents

	List	List of Tables				
	Prefe	Preface				
	Ackn	nowledgments		XXIV		
		of Abbreviations and Special Symbols		xxv		
	Intro	oduction		1		
	I	MODES OF MODALITY		11		
1	Prag	gmatics: Modality and Speaker Orientation		13		
	1.1	The Human as an Animal Catoptricum		13		
	1.2			15		
	1.3	Simple and Double Displacement as Basic Building Blo	cks			
		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 Mir	ıd	43		
		1.5.6 Lexical Deixis vs. Grammatical Deixis		44		
	1.6			45		
	1.7	Modality and the Different Qualities of Double				
		Displacement		48		
	1.8	Wrap-Up: Subjectivity Warranting Certainty?		51		

	1.9	Different Grammars of the Possible	54			
	1.10	Summary and Outlook: The Linguistic Basis of a Non-naive Realism	57			
2	(Int	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	dality 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	of Modal Verbs				
	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	X1
	4.6	Scalar Relations: S	Scope Reach and Negation	116
	4.7		ge of the Scope of Negation	118
	4.8	•	fferent from Evidentials?	119
	4.9	-	d Epistemic Differential: Constraining	
		Criteria		121
	4.10	Criteria of Person	Origo	122
			vs. Lexicon: Modal Verbs vs. Modality	
		Adverbial	-	122
		4.10.2 The Source	ce Evidence Differential: Person Shift in	
		Epistemic	rity	125
	4.11	Summary: Episten	nics, Evidentials, and Negation	127
	4.12	Aspectual Conting	ency of the Root-Epistemic Distinction	128
5	The	Perspectival Spec	cifics of Verb Modality in German	132
	5.1	The General Charac	eteristics of Modal Verbs?	132
	5.2	Modal Verbs under	Negation: Fundamentals	134
	5.3	Negation Contexts		136
	5.4	Marked Scoping: T	he Not-Only Cases in Verbal Modality	137
	5.5	Morphosyntax		137
			Complements	138
		•	s - 'Strong Coherence'	138
			s: Right-Branching vs. Left-Branching	140
			rus-Pro-Participio Effect (Ersatzinfinitiv)	145
			and the Status 1 vs. Status 3 Difference	146
		5.5.6 Inflective M		147
		5.5.7 Syntax-Sem		148
			vert Subject PRO	149
			traction from the V-Cluster	149
			ntrol Constructions Mapping Full	
			finitival) CPs – Disallowing MVs	150
			ising Constructions Mapping Theta-less MV-	
			sters – Allowing MVs	150
	5.0		ope Relations	151
	5.6		bs and Modal Verbs Have in Common?	152
			and Modal Verbs	152
			ints at a Glance	153
			ks on MV-Syntax in German and Other	150
		Languages		156
6		-	Verbs in German, Dutch,	
	and	English		157
	6.1	_	Modal Verbs across Languages?	157
	62	The Major Distrib	utional Differences	158

	6.3	Syntactic Reflexes of the Root-Epistemic Distinction in				
		-	n and Du	_	162	
	6.4	Deont	ic 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	Volatilit	y of the Aspect-Modality Relation	168	
	6.6					
	0.0	and Modality				
		6.6.1	-	Determines the Semantics of Aktionsart	171	
		6.6.2	-	ncipled Link between Modality and		
		0.0.2	Aspect	and the second of the second o	172	
		6.6.3		pect-Modality Correlations in Languages		
		0.0.5	_	Modal Verbs	175	
			6.6.3.1	Typological Sources	175	
			6.6.3.2			
			0.0.5.2	Voluntative Modality: Wollen 'Will'	175	
			6.6.3.3	Slavic Correspondents of German of Weak	1,0	
			0.0.5.5	Deontic Modality: Sollen 'Shall'	176	
			6.6.3.4	Slavic Correspondents of German Possibility:	1,0	
			0.0.5.1	Können 'Can'	176	
			6.6.3.5		1,0	
			0.0.5.5	Deontic Modality: Müssen 'Must'	176	
			6.6.3.6	Slavic Correspondents of German	1,0	
			0.0.5.0	Voluntative Modality: Mögen 'May'	177	
			6.6.3.7	Slavic Correspondents of German of		
			0.0.5.7	Permissive Modality: Dürfen '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	
		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		Sidoi	185	
		6.10.3	1	s Yield Asymmetric Predicates	186	
		0.10.3	Wodan	5 11010 110 fillion to 1 foundates	100	
7	Mod	al Warl	Seman	atics	188	
,						
				es of Modal Verbs and Their Complexes	188	
	7.2	Concep	tualizatio	ns: 'Viewing Distance'	197	

			Comenis	VIII
			vity Does Not Always Link with Epistemicity	200
	7.4	The Copula	a as a Complement	207
	III	ADVERB	IAL MODALITY	211
8	Mo	dal Partic	eles: The Enigmatic Category	213
0	8.1		rticles as an Illocutionarily Distinct Type	213
	0.1		rse Marker	213
	8.2		in the Narrow Sense	221
	8.3	-	ce Categories and Their Underspecified MP-Results	224
	8.4		rticles as Free Grammatical Morphemes in German	227
	0.,		her Languages	228
	8.5		ler Options for Modal Particles under Finiteness and	
		Non-finite		232
	8.6	Serializati	ion Options and Constraints between Modal Particles	233
	8.7		-	237
9	The	Attitudii	nal Force of Modal Particles	238
	9.1		Modality and Truth Valuability	238
	9.1	_	egory of German Modal Particle – and Its Merging	230
	7.2	Property		240
	9.3	1 2	Topic Reference of Modal Particles?	241
	9.4		articles in Independent Sentences	244
	9.5		articles in Dependent Sentences	245
	9.6		ection: Speech Act Prerequisites	247
	9.7		Syntax of Adverbial and Other Dependents: Force	
			tension of CP	250
	9.8	Autonon	nous or Inherited Force?	252
	9.9	Phase an	nd Edge Conditions: Clausal Dependency and Root	
		Qualities		255
	9.10	How Do	Dependent Clauses Receive Force Potential?	258
	9.11	Speaker	Deixis and the Subjunctive: Liberalizing the Left	
		Peripher	у	262
	9.12	The Spe	cial Architecture of the Force Phase: Phase	
		Motivati	on	264
	9.13	The Inte	rnal Phase Architecture	264
		9.13.1	Intact vs. Defective Left Phase Edges	266
		9.13.2	Quote Prosody and the Factive/Non-factive	
			Distinction	267
			Bridge Test	267
	9.14	Autonon	nous Speaker-Deixis Potential on Non-factive	
		Compler	ments	268

		9.14.1	The Speaker-Deixis Potential	26
		9.14.2	No Speaker-Deixis Potential on Factive	
			Complements	26
		9.14.3	No Speaker-Deixis Potential for Temporal-Locative	
			Adverbial Clauses	26
		9.14.4	The Speaker-Deixis Potential for 'Logical'	
			Adverbial Clauses	27
		9.14.5	r	
			Non-Restrictive Relative Clauses	27
			Anchoring Speaker Deixis	27
	9.16	What N	Makes Non-factive Predicates Structurally Stronger	
			active Ones?	27
			r Deixis: Edge Features	27:
			Summary	27
	9.19		lection and Felicity Prerequisites	27
			Felicity Conditions	27
		9.19.2	The Source-Target Relation of MPs and Their	
			Stressed Variants	283
			Root Non-finites and MP-Selection	284
		9.19.4	Relative MP Order	286
10	Mod	al Parti	cles between Context, Conversation,	
	and	Conven	tion	290
	10.1	Modal	Particles and Conventional	
		Implica		290
	10.2		/IP-Lexical to Attitudinal MP-Status	290
			oes Mirativity Come About?	292
	10.0	10.3.1		293
			VF, MP, and Mirative Unexpectedness	290
	10.4		Specific Relation between Verum Focus, Sentence	
			nd MP-Selection	298
			Verum Focus – Distributed on Grammatical-	
			Functional Components	299
		10,4.2	Focused MPs: The MP/MP-Focus Differential	30
	10.5	The Mi	rative Import Due to Unexpected Emphasis and	
			Particles	303
		10.5.1	Formal Assumptions	303
			Mirative Import Specified by MP-Source Legacy	304
	10.6		Particles as Grammatical Functions	305
	10.7	Modal l	Particles and Grammaticalization	307
				9
11	Mod	al Parti	cles outside of Finiteness	311
	11.1	Modal	Particles at the Word Level	31

			Content	s xv			
		11 1 1	The Phenomenon	311			
		11.1.2	The Attribute-DP Restriction for DP-Internal MPs	312			
			Expressive Content	314			
			MP-in-DP and Intersectivity of the Attributive				
			Adjectival	316			
		11.1.5	Epistemic Force Scope in DP	317			
			Time Reference vs. Tense Inside DP	318			
			Wrap-Up	320			
			MP-Attraction to Wh-Pronominals	320			
	11.2		on-finites and the Selection of Modal Particles	322			
			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	COVERT	MODALITY	331			
12	Covert Patterns of Modality						
	12.1		mena: Modality behind the Scenes	333			
	12.2		of Covert Modality	334			
	12.3		ity Covertly Coded by Phrasal Prepositional				
	12.5		ives: Foundational Issues	338			
	12.4		nrasal Prepositional Status of Infinitivals Eliciting				
	12		Denotations	347			
			Subject Relative Infinitive: Illustrations	347			
			Object Relative Infinitive	352			
			Subject Relative Infinitive: The Structure	354			
			Subject Relative Purpose Infinitive after				
			Directional	354			
		12.4.5	Subject Raising Infinitival	355			
	12.5		et Raising Infinitive on iV	355			
	12.6	-	Infinitive – Decausative iV	357			
		3	Covert Modality in Subject Infinitive –				
			Unaccusative Verbs	358			
		12.6.2	Covert Modality in Infinitival DP Relatives	359			
			Covert Modality in Infinitival (Object-)DP				
			Relatives	361			
	12.7	Overt	Modal Form, but No Modal Meaning	362			
			Inverse Environments	362			
		12.7.2					
			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
Indox		416