Contents

1 Introduction 1
1. Movement type asymmetries . . . 1
2. Overview . . . 12

2 Wh-movement at S-structure 15
1. Introduction and overview . . . 15
2. Proper government and subjacency . . . 18
   2.1. Conditions on the moved item . . . 18
   2.2. Improper movement . . . 23
   2.3. Barriers . . . 25
3. Barriers in situ . . . 30
   3.1. VP . . . 30
   3.2. IP . . . 31
   3.3. CP . . . 38
   3.4. NP . . . 40
   3.5. NP-shells and finite complement clauses . . . 51
   3.6. Infinitives . . . 54
   3.7. CNPC effects . . . 56
   3.8. PP . . . 60
   3.9. AP . . . 68
4. Barriers in derived positions . . . 70
   4.1. A-movement . . . 70
   4.2. Scrambling . . . 72
   4.3. Topicalization . . . 76
   4.4. *Wh*-movement . . . 81
5. Adjunct barriers . . . 84
   5.1. Finite adjunct clauses . . . 84
   5.2. Non-finite adjunct clauses . . . 87
6. Conclusion . . . 89

3 Scrambling 91
1. Introduction and overview . . . 91
2. Basic properties . . . 95
   2.1. Optionality . . . 95
   2.2. Iterability . . . 100
   2.3. The structure of scrambling chains . . . 101
3. Adjunction sites . . . 102
   3.1. Adjunction to VP and IP . . . 102
   3.2. Adjunction to XP . . . 112
4. Locality . . . 122

4.1. Clause-bound scrambling 122
4.2. Long-distance scrambling 126
5. Operator scrambling 142
5.1. Illicit operator scrambling in German 142
5.2. Operator scrambling in Korean and Japanese 146
5.3. Operator scrambling in Russian 149
5.4. Full Representation 150
6. Categorial selectivity 153
7. Anaphoric binding 158
8. Strong crossover 163
9. Weak crossover 164
10. Parasitic gaps 172
11. Reconstruction 176
12. Conclusion 179

4 Dative movement **183**
1. Introduction and overview 183
2. The paradox: movement vs. binding 186
3. VP-structure 188
3.1. Larson's approach 188
3.2. Arguments against Larson's approach 190
3.3. VP-structure in SOV languages 195
3.4. VP-structure in SVO languages 198
4. Barriers revisited 200
4.1. The islandhood of dative NPs 200
4.2. The role of selection 204
4.3. Incorporation from specifier positions 206
5. Anaphoric binding 212
5.1. Binding of anaphors in German 212
5.2. Parametric variation 214
5.3. Binding of reciprocals 217
6. Pronominal reference 219
6.1. The data 220
6.2. Blocking coreference with an IO pronoun 222
7. Weak crossover 228
7.1. The VP-internal distribution of bound-variable pronouns 228
7.2. Webelhuth's paradox 231
8. A-bar movement 233
8.1. The data 233
8.2. Previous analyses 235
8.3. A PUB account 237
9. Passivization 239
9.1. Passivization in German double object constructions . . 240

9.2. Passivization in Danish double object constructions . . 242
9.3. Passivization in Norwegian double object constructions 243
9.4. Passivization in English double object constructions . . 244
9.5. Passivization in West Flemish double object constructions 245
10. Free datives 246
10.1. The phenomenon 246
10.2. Do free datives originate in an NP? 248
10.3. Free datives originate in Specμ 250
11. Conclusion 252
12. Appendices 253
12.1. Appendix 1: on VP-shells 253
12.2. Appendix 2: particle distribution 255
12.3. Appendix 3: empty prepositions 259
12.4. Appendix 4: focus projection 266

5 Wh-movement at LF **269**
1. Introduction and overview 269
2. Superiority and a constraint on *wh*-adjuncts in situ 270
3. *Wh*-in-situ in German 272
4. IP as an LF barrier 278
4.1. IP as an S-structure barrier 278
4.2. Barriers and *wh*-in-situ in English 279
4.3. Long-distance *wh*-movement at LF in English 284
4.4. On S-structural adjunct movement 286
4.5. *Wh*-in-situ in French 288
5. Co-indexing of I and C 290
5.1. Short *wh*-movement at LF in German 290
5.2. Successive-cyclic long-distance *wh*-movement at LF in German 291
5.3. Islands for long-distance *wh*-movement at LF in German 294
6. Adjunction to IP 299
6.1. IP barriers and unambiguous binding 299
6.2. LF movement without traces? 304
7. *Wh*-in-situ languages 308
8. Multiple *wh*-movement at S-structure 314
9. Residual issues 318
9.1. LF movement of subjects 318
9.2. Lexical government or Θ-government? 320
9.3. Residual Superiority effects 323
10. Conclusion 325

6 Topicalization **327**
1. Introduction and overview 327
2. Topicalization is not adjunction 330
2.1. Iterability 330
2.2. Long-distance movement 331
2.3. Clause-bound movement 333
2.4. Verb raising 333
2.5. Locality 335
2.6. Bridge contexts 336
3. Topicalization is not movement to SpecC 338
3.1. Complementizers 338
3.2. V/2 movement 339
3.3. Long-distance topicalization, topic islands, and *wh*-islands 340
3.4. Long-distance *wh*-movement, topic islands, and *wh*-islands 342
4. Topicalization is movement to SpecT 343
4.1. The proposal 343
4.2. The non-existence of *wh*-topicalization 345
4.3. Successive-cyclic topicalization 347
5. The Specifier Criterion 348
6. The distribution of embedded topicalization 351
7. C and T in German 353
8. C and T in English 357
9. Topic islands 361
10. *Wh*-islands 362
11. Infinitives 365
12. Root clauses 373
13. Conclusion 376

7 Conclusion **381**

Notes **384**

References **433**

Index **468**