

Contents

<i>List of Figures</i>	<i>page ix</i>
<i>List of Tables</i>	<i>xii</i>
<i>Preface</i>	<i>xv</i>
<i>Acknowledgments</i>	<i>xxi</i>
1 Tone Basics	1
1.1 Invoking Tone	1
1.2 Pitch and Vocal Fold Vibration	3
1.3 Notation Based on Pitch	5
1.4 Tone as Contrastive	6
1.5 Probing into the Acoustic Correlates of Tone	10
1.6 Toward a Phonological Understanding	16
1.7 Chapter Summary	19
2 Autosegmentality and Associations	21
2.1 Where Tones Dock	21
2.2 Floating Tones	28
2.3 Autosegmentality	31
2.4 Autosegmental Tone for Phrasal Domains	37
2.5 Intonation and Autosegmentality	42
2.6 Intonating Lexical Tones	47
2.7 Chapter Summary	51
3 Discovery of Tone and Sub-Tonal Entities	53
3.1 Discovering Tone among the Ancients	53
3.2 Tone as Pitch Values	59
3.3 Tone as Features	64
3.4 Tone Contour as a Constituent	73
3.5 Register: Range of Tone Melodies	79
3.6 Feature Geometry of Tone	84
3.7 Tone Terraces	92
3.8 The Mysterious Upstep	103
3.9 Chapter Summary	107

4	Tone Sandhi I: Phonetic or Phonological?	108
4.1	A Note on the Phonetic and the Phonological	108
4.2	Tone Sandhi	109
4.3	Articulatory Compromises	116
4.4	The Obligatory Contour Principle	124
4.5	Case Study: Tianjin Ditonal Sandhi	131
4.6	Case Study: Hakha Lai	138
4.7	Generativity of Tone Sandhi	139
4.8	Tone Sandhi Taxonomy	143
4.9	Chapter Summary	150
5	Tone Sandhi II: Phonological Analyses	152
5.1	Toward a Phonological Analysis	152
5.2	Variability in the Manifestation of Universal Laws	155
5.3	Chains and Spins	170
5.4	Ordering Effects	183
5.5	Transparency and Opacity	192
5.6	Chapter Summary	198
6	Interaction: Segments to Prosody	200
6.1	Segments and Tone	200
6.2	A Chinese Tone Story	214
6.3	An English Tone Story	226
6.4	Tone and Prosody	232
6.5	Chapter Summary	247
7	Cognitive Aspects of Tone	249
7.1	Musicality of Linguistic Tone	249
7.2	The Tone-Tune Interface	257
7.3	Tone and the Brain	264
7.4	Acquisition of Tones	271
7.5	Chapter Summary	275
	Glossary	276
	References	285
	Language Index	316
	Subject Index	319