

Contents

<i>List of Figures</i>	<i>page</i>	ix
<i>List of Tables</i>		xv
<i>Acknowledgements</i>		xvii
Introduction		1
1 The Ancient City: Still a Debated Topic		8
1.1 The Ancient City: Is a Definition Possible?		8
1.2 Urbanisation in Central Italy		13
1.3 Conclusions		27
2 Transportation Infrastructures: A New Approach to Interactions		29
2.1 The Network Approach: Metaphor or Tool?		29
2.2 Networks and Urbanism		33
2.3 Why Transportation Networks		38
2.4 Conclusions		44
3 Data and Methodology		46
3.1 Data		46
3.2 Methodology		50
3.3 Conclusions		57
4 Network Analysis Centrality Indexes		58
4.1 Methodology		58
4.2 Discussion of the Analyses and Results		63
4.3 Conclusions		84
5 Network Analysis Efficiency Indexes		87
5.1 Methodology		87
5.2 Discussion of the Analyses and Results		89
5.3 Conclusions		92

6	Multi-scale Analysis Based on Least-Cost Paths	94
6.1	Methodology	94
6.2	Discussion of the Analyses and Results	95
6.3	Conclusions	105
7	Modelling	108
7.1	Methodology	108
7.2	Discussion of the Analyses and Results	115
7.3	Conclusions	121
	Conclusions	125
	<i>Appendices: Data, Mathematical Explanations and Calculations</i>	131
	Appendix A: Mathematical Explanations and Calculations for Chapter 5	133
	Appendix B: Modelling from Chapter 7 Step-by-Step	137
	Appendix C: Mathematical Explanations and Calculations for Chapter 4	159
	Appendix D: Data	207
	<i>Notes</i>	209
	<i>Bibliography</i>	227
	<i>Index</i>	259