
INDEX

Introductory chapter	1
0.1 The abstract of this study	2
0.1.1 The background and the purpose of this study	2
0.1.2 The method of the research of this study	4
0.2 The composition of this study	7
0.3 The previous studies	9
Chapter1. The focal point of this study	18
1.1 The purpose of this chapter	19
1.2 Why the villages were chosen	20
1.2.1 Why Rincón de Ademuz was chosen	20
1.2.2 Why the three villages were chosen	22
1.3 The point of the analysis	27
1.3.1 Climate, History, Construction and Planning of dwellings	27
1.3.2 Basic nature of the wind	31
1.3.3 The definition of the wind direction	33
1.4 Conclusion	39
Chapter 2. The wind and the dwelling	41
2.1 The purpose and composition of this chapter	42
2.2 The method of research	43
2.3 Basic composition of the dwelling	44
2.3.1 A summary of the dwelling	44
2.3.2 The differences of the plannings depending on the locations of the villages	46
2.3.3 The transformation of the dwelling	50
2.4 The wind-path in the dwelling	53
2.4.1 The type of interior doors as the factors of wind visualization	53
2.4.2 The zoning of the dwelling	57

2.4.3 The direction of fireplace and the wind-path in living room	60
2.5 The passive design in the dwelling	70
2.6 The wind and the lifestyle in the dwelling	75
2.6.1 A summary of inhabitants' lifestyle in the dwelling	75
2.6.2 The characteristics of the lifestyle in each season and time	80
2.7 Conclusion	84
Chapter3. The wind and the village	88
3.1 The purpose and composition of this chapter	89
3.2 The method of research	90
3.3 Basic composition of the villages	91
3.3.1 A summary of the villages	91
3.3.2 The difference between the locations of the villages	99
3.3.3 The transformation of the villages	108
3.4 The wind-path in the village	116
3.4.1 The location of entrance doors with opening	116
3.4.2 The zoning of the villages	122
3.4.3 The direction of the building-units and the wind-path in the village	128
3.5 The passive design in the village	134
3.6 The wind and the local community	144
3.6.1 A summary of the public space and the small community space in the village	144
3.6.2 The pattern of the outgoing behavior of inhabitants	151
3.7 Conclusion	154
Chapter4. The nested structure in the village	157
4.1 The purpose of this chapter	158
4.2 The system to control the wind	159
4.3 The wind and the life of inhabitants	164
4.4 The nested structure in the village	166

Chapter5. Conclusion	169
5.1 Final conclusion	170
5.2 References	176
Acknowledgments	185
Appendix	186
