

Contents

Abbreviations	9
Ethical Consideration	11
Abstract	13
Introduction	15
Aims	15
Main Research Questions	18
Organization and Literature	20
Chapter 1. "Ambiguity in Lived Body Experiences"	29
1.1 Technical details and Setup	32
1.2 Interviews	33
1.3 Conclusions to draw from the Intervention	40
1.4 Cognitive science and cognitive technology	41
1.5 Phenomenological distinction of Body Awareness: Körper and Leib	45
1.6 Own-body-perception and Out-of-body experience (OBE)	46
1.7 Importance of Active Movement in Perception	58
1.8 Subject-Object Relations in VR	62
1.9 Self-Narration and Action in VR	70
1.10 Responsible Subject in VR	73
1.11 Lack of Flesh in Virtual Body and Coexistence in Both Realms	76
1.12 Subjective Vision and Productivity of the Observer	79
1.13 VR as a Lacanian Mirror	83

Chapter 2. The Machine To Be Another (MTBA)	87
2.1 "Ich bin du, du bist ich": A Workshop Series With MTBA.....	88
2.2 Technical Details and Setup (2015's Body Swap).....	91
2.3 Conclusions from MTBA and Further Insights	93
2.4 Empirical Methods for Measuring Presence in VR	95
2.5 Body Swap and Body Ownership in VR	96
2.6 Spinoza and Bodies in Motion	100
2.7 Gender Swap in VR	102
2.8 On the dangers of empathy	105
2.9 Virtual and Cognitive Architecture of the Body.....	111
Chapter 3. Exhibition Project: "sit behind my eyes"	129
3.1 Unheimlicher Körper.....	131
3.2 Materiality of flesh-body and Euclidean spaces	134
3.3 Abjection and Autoaffection	140
3.4 Body Image and Body Schema	144
3.5 The phenomenon of phantom limb	154
3.6 Phenomenological Approach to Phantom Limb Phenomenon	158
3.7 Biotechnology and Disability	177
Conclusion	183
Bibliography	191
Online Media	208
Interviews	209
Conferences (Unpublished)	210