

List of Figures

- Figure 1.1** Topologic and topographic space. Diagrams by author — **12**
- Figure 2.1** Three affordances for a solid surface at knee height.
Diagram by author — **65**
- Figure 2.2** Finlandia Hall in Helsinki, designed by Alvar Aalto. Photograph by Wikimedia Commons user Thermos, cropped by author. CC BY 2.5. Source: https://commons.wikimedia.org/wiki/File:Finlandia_A-Wiki.jpg — **68**
- Figure 2.3** An evocative form in the garden at Ginkaku-ji, Kyoto. Photograph by author — **68**
- Figure 2.4** A few pieces of furniture are able to prime frames for social settings.
Diagrams by author — **72**
- Figure 2.5** Image schemas (left to right): SOURCE-PATH-GOAL, CENTER-PERIPHERY, SCALE, and VERTICALITY. Diagrams by author. Adapted from Johnson, *The Body in the Mind*, 114, 123, 124 — **74**
- Figure 2.6** Wall-mounted CD Player designed by Naoto Fukasawa. Photograph by Luisa Salvador Dias — **78**
- Figure 2.7** The Beijing National Aquatics Center. Photograph by Pixabay user Mr_Chang, enhanced and cropped by author. Pixabay license. Source: <https://pixabay.com/photos/china-beijing-the-olympic-games-1754626/> — **78**
- Figure 2.8** *Pac-Man*. All screenshots by author — **84**
- Figure 3.1** The world of *Knytt Stories* — **95**
- Figure 3.2** Juni will be able to reach the key in the upper left with either a higher jump or the ability to climb walls — **97**
- Figure 3.3** A screen with a strong visual composition — **99**
- Figure 3.4** A screen with a transition between areas along the left — **100**
- Figure 3.5** The machine deep underground, with a text bubble explaining how to turn it off — **102**
- Figure 3.6** The world of *The Night Journey* — **104**
- Figure 3.7** A view over the landscape as one enters it — **107**
- Figure 3.8** The large tree at the start of *The Night Journey* — **107**
- Figure 3.9** Visions while reflecting — **110**
- Figure 3.10** Ruined structures in the archetypal regions. The store in the desert (left), and the trailer on the beach (right) — **112**
- Figure 3.11** The world of *NaissanceE* — **116**
- Figure 3.12** Searching for a safe path down the shaft — **118**
- Figure 3.13** Running along turbine cylinders — **118**
- Figure 3.14** A chaotic tunnel of abstract forms — **120**
- Figure 3.15** Many spaces in *NaissanceE* are defined by their chiaroscuro — **120**
- Figure 3.16** The infinite horizon of the desert plateau — **121**
- Figure 3.17** A disorienting maze of identical rooms in an urban area — **123**
- Figure 3.18** An instance of strong architectural rhythm in *NaissanceE* — **123**
- Figure 3.19** Spaces in *NaissanceE* that prime frames for understanding them — **124**
- Figure 4.1** *Wii Sports* tennis — **135**
- Figure 4.2** *Wii Sports* baseball — **137**

- Figure 4.3** *Wii Sports* bowling — 137
- Figure 4.4** *Wii Sports* golf — 138
- Figure 4.5** *Wii Sports* boxing — 138
- Figure 4.6** A *Taiko no Tatsujin* arcade machine in Yokohama. Photograph by author — 141
- Figure 4.7** The interface of *Taiko no Tatsujin: Drum 'n' Fun!* early in a song — 143
- Figure 4.8** The interface of *Taiko no Tatsujin: Drum 'n' Fun!* late in a song, when the player is doing well. There is now a new background and multiple groups of dancers present — 146
- Figure 4.9** A regular race in *WipEout HD* — 148
- Figure 4.10** A Zone Mode race in *WipEout HD* — 149
- Figure 4.11** The track select menu in *WipEout HD* showing a model of a course — 151
- Figure 5.1** The mother badger and five cubs near the start of *Shelter* — 161
- Figure 5.2** The other areas of the forest (clockwise starting from top left): the night area, the swelling river, the final area, and the forest fire — 162
- Figure 5.3** Hiding from a bird of prey, shown as a shadow cast on the ground — 163
- Figure 5.4** Combining the PATH and CENTER-PERIPHERY image schemas. Diagram by author — 163
- Figure 5.5** Encountering the twelfth colossus in *Shadow of the Colossus* — 167
- Figure 5.6** The world of *Shadow of the Colossus* — 168
- Figure 5.7** Clinging onto the edge of the fifth colossus' wing — 168
- Figure 5.8** Encountering and attacking the third colossus — 170
- Figure 5.9** Riding Agro alongside the thirteenth colossus to jump onto its wing — 173
- Figure 5.10** Wander before and after slaying the colossi. Collage of screenshots by author — 174
- Figure 5.11** The world of *Katamari Damacy* at the smallest scale — 175
- Figure 5.12** Intermediate and gigantic scales in *Katamari Damacy* — 176
- Figure 5.13** The Home Planet — 178
- Figure 5.14** Collecting crabs to make the constellation Cancer — 178
- Figure 5.15** A line of toolboxes along a street — 179
- Figure 5.16** One of the views into the database of collected objects — 179
- Figure 5.17** The King of All Cosmos assessing the size of a katamari — 181
- Figure 5.18** An empty level where all the objects have been collected — 181
- Figure 6.1** The classic rabbit/duck illustration demonstrating figure/ground reversal. Public domain. Originally published in the October 23, 1892 issue of the magazine *Fliegende Blätter*. Source: https://commons.wikimedia.org/wiki/File:Kaninchen_und_Ente.png — 189
- Figure 6.2** A typical view in *Thirteen Gates* — 191
- Figure 6.3** Diagrams showing how *Thirteen Gates* turns a 3D view (left) into a 2D one (right). Diagrams by author — 192
- Figure 6.4** The level Aisles in *Thirteen Gates* (left), and a view of its layout in the level editor (right) — 193
- Figure 6.5** Slow motion combat in *SUPERHOT* — 196
- Figure 6.6** Views of the piOS computer interface: home menu (left) and chat room (right) — 197
- Figure 6.7** The world of *superhot.exe* — 198
- Figure 6.8** The world of *The Witness* — 203

- Figure 6.9** A set of puzzle boards arranged to teach a rule symbolized by black and white squares — 205
- Figure 6.10** A view from the castle tower. The puzzle solution is the player's path through the four mazes below — 205
- Figure 6.11** Design drawings for a building within *The Witness* — 209
- Figure 6.12** A tree branch puzzle in the orchard — 209
- Figure 6.13** A praying figure hidden in the coastline — 211
- Figure 6.14** A stone figure reaching for a goblet — 211

