

Contents

Inner Simplicity vs. Outer Simplicity	3
Étienne Ghys	
The Complexity of Simplicity: The Inner Structure of the Artistic Image	17
Juhani Pallasmaa	
Thinking in Four Dimensions	29
Dusa McDuff	
Kant, Co-Production, Actuality, and Pedestrian Space: Remarks on the Philosophical Writings of Fred Sandback	39
Juliette Kennedy	
What Simplicity Is Not	51
Maryanthe Malliaris and Assaf Peretz	
Constructing the Simples	61
Curtis Franks	
The Simplicity Postulate	79
Marjorie Senechal	
The Experience of Meaning	87
Jan Zwicky	
Math Currents in the Brain	107
Misha Gromov	
bc, becuZ, Because ASCII	125
Kate Shepherd	
“Abstract, Directly Experienced, Highly Simplified, and Self-Contained”: Discourses of Simplification, Disorientation, and Process in the Arts	129
Riikka Stewen	

Remarks on Simple Proofs 145
Rosalie Iemhoff

The Fluidity of Simplicity: Philosophy, Mathematics, Art 155
Juliet Floyd

“Mathematical Typography” (After Donald Knuth, 1978) 179
Dexter Sinister

Simplicity via Complexity: Sandboxes, Reading Novalis 191
Andrés Villaveces

On the Alleged Simplicity of Impure Proof 207
Andrew Arana

Minimalism and Foundations 229
Spencer Gerhardt

**Economy of Thought: A Neglected Principle of Mathematics
Education** 241
Alexandre V. Borovik

Simplicity Is the Point 269
Dennis Sullivan

Appendix A: Simplicity, in Mathematics and in Art 277
Allyn Jackson

Appendix B: Conference Program 285

Index 301



<http://www.springer.com/978-3-319-53383-4>

Simplicity: Ideals of Practice in Mathematics and the Arts

Kossak, R.; Ording, P. (Eds.)

2017, XX, 305 p. 26 illus., 1 illus. in color., Hardcover

ISBN: 978-3-319-53383-4