Philosophy of Mathematics Reading List

A. Heyting, *Intuitionism: An Introduction*
W. Demopoulos (ed.), *Frege's Philosophy of Mathematics*
M. Dummett, *Elements of Intuitionism*
G. T. Kneebone, *Mathematical Logic and the Foundations of Mathematics*
M. Black, *The Nature of Mathematics*
S. Körner, *Philosophy of Mathematics*
G. Frege, *The Foundations of Arithmetic*
B. Russell, *Introduction to Mathematical Philosophy*
B. Russell, *The Principles of Mathematics*
A. W. Moore, *The Infinite*
J. A. Bernardete, *Infinity*
M. Kline, *Mathematics, the Loss of Certainty*
R. Courant and H. Robbins, *What is Mathematics?*
S. Mac Lane, *Mathematics: Form and Function*
E. Nagel and J. R. Newman, *Gödel's Proof*
R. Penrose, *The Emperor's New Mind*
R. Penrose, *Shadows of the Mind*
B. Rotman, *Ad Infinitum, the Ghost in Turing's Machine*
D. Hofstadter, *Gödel, Escher, Bach*
N. Rescher, *The Philosophy of Leibniz*
H. Reichenbach, *The Philosophy of Space and Time*
H. Weyl, *Symmetry*
H. Weyl, *Philosophy of Mathematics and Natural Science*
A. Grunbaum, *Zeno's Paradoxes and Modern Science*
A. N. Whitehead, *Science and the Modern World*
H. DeLong, *A Profile of Mathematical Logic*
A. Fraenkel, Y. Bar-Hillel, and A. Levy, *Foundations of Set Theory*
M. Hallett, *Cantorian Set Theory and Limitation of Size*
R. Wilder, *Introduction to the Foundations of Mathematics*
H. Field, *Science without Numbers*
L. Wittgenstein, *Remarks on the Foundations of Mathematics*
P. Davis and R. Hersh, *The Mathematical Experience*
J. Mayberry, *The Theory of Sets in the Foundations of Mathematics*
F. W. Lawvere and R. Rosebrugh, *Sets for Mathematics*
G. Lakoff and H. Nunez, *Where Mathematics Comes From*
H. Wang, *Reflections on Kurt Gödel*