

Logic and the Foundations of Mathematics Encyclopedia Article

Logic and the Foundations of Mathematics

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Logic and the Foundations of Mathematics

A very detailed account of main developments of logic will be found in *Logic, History of*. Brief explanations of many of the terms commonly used by logicians will be found in *Logical Terms, Glossary of*. The Encyclopedia also features the following articles dealing with questions in logic and the foundations of mathematics: *Artificial and Natural Languages*; *Combinatory Logic*; *Computability Theory*; *Computing Machines*; *Decision Theory*; *Definition*; *Existence*; *Fallacies*; *Geometry*; *Gödel's Theorem*; *Identity*; *Infinity in Mathematics and Logic*; *Laws of Thought*; *Logical Paradoxes*; *Logic Diagrams*; *Logic Machines*; *Many-Valued Logics*; *Mathematics, Foundations of*; *Modal Logic*; *Negation*; *Number*; *Questions*; *Semantics*; *Set Theory*; *Subject and Predicate*; *Synonymity*; *Syntactical and Semantical Categories*; *Types, Theory of*; and *Vagueness*. See "Logic" and "Mathematics, Foundations of," in the index for entries on thinkers who have made contributions in this area.