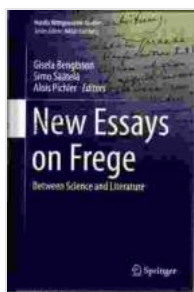


New Essays on Frege: Exploring the Foundations of Logic and Mathematics

Gottlob Frege was one of the most important philosophers of mathematics and logic of all time. His work on the foundations of logic and mathematics had a profound impact on the development of these fields, and his ideas continue to be debated and discussed by philosophers and mathematicians today.



New Essays on Frege: Between Science and Literature (Nordic Wittgenstein Studies Book 3) by Juan Villalba

★★★★☆ 4.7 out of 5

Language : English
File size : 727 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Word Wise : Enabled
Print length : 294 pages



New Essays on Frege is a collection of new essays that explore Frege's work from a variety of perspectives. The essays in this volume cover a wide range of topics, including Frege's philosophy of language, his philosophy of mathematics, and his work on the foundations of logic.

The essays in *New Essays on Frege* are written by leading scholars in the field, and they offer a fresh perspective on Frege's groundbreaking ideas.

This volume is an essential resource for anyone interested in the history of philosophy, the philosophy of mathematics, or the philosophy of logic.

Frege's Philosophy of Language

Frege's philosophy of language is closely connected to his work on the foundations of logic. Frege believed that language is a tool for expressing thoughts, and that the meaning of a sentence is determined by the thoughts that it expresses.

In his essay "The Concept of Number," Frege argues that numbers are not objects that exist independently of our minds. Rather, numbers are concepts that we use to represent quantities. Frege's account of numbers is known as the "concept theory of numbers," and it has been influential in the development of the philosophy of mathematics.

Frege also made important contributions to the study of semantics. In his essay "Sense and Reference," Frege distinguishes between the sense of a word or phrase and its reference. The sense of a word or phrase is its meaning, while its reference is the object that it refers to. Frege's distinction between sense and reference has been influential in the development of the philosophy of language.

Frege's Philosophy of Mathematics

Frege's philosophy of mathematics is closely connected to his work on the foundations of logic. Frege believed that mathematics is a branch of logic, and that mathematical truths are logical truths.

In his book *The Foundations of Arithmetic*, Frege argues that the natural numbers can be defined in terms of logical concepts. Frege's definition of

the natural numbers is known as the "Humean definition of numbers," and it has been influential in the development of the philosophy of mathematics.

Frege also made important contributions to the study of set theory. In his essay "On Concept and Object," Frege argues that sets are not objects that exist independently of our minds. Rather, sets are concepts that we use to represent collections of objects. Frege's account of sets is known as the "concept theory of sets," and it has been influential in the development of the philosophy of mathematics.

Frege's Work on the Foundations of Logic

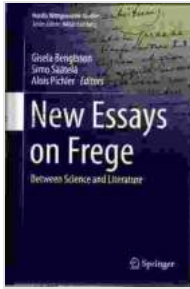
Frege's work on the foundations of logic is some of the most important work in the history of philosophy. Frege developed a new system of logic that is now known as "Fregean logic." Fregean logic is based on the idea that all logical truths are analytic truths.

Frege's work on the foundations of logic had a profound impact on the development of logic. Frege's ideas have been adopted by many philosophers and mathematicians, and they continue to be debated and discussed today.

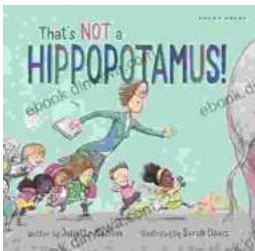
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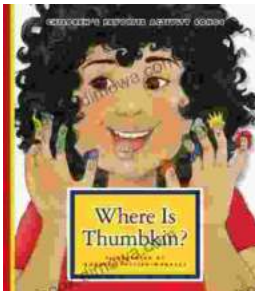


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