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A Course in Mathematical Logic (□□)

The Principia Mathematica (often abbreviated PM) is a three-volume work on the foundations of mathematics written by the philosophers Alfred North Whitehead and Bertrand Russell and published in 1910, 1912, and 1913. In 1925–27, it appeared in a second edition with an important Introduction to the Second Edition, an Appendix A that replaced 9 and all-new Appendix B and Appendix C.

Principia Mathematica - Wikipedia

The journal publishes research papers and occasionally surveys or expositions on mathematical logic. Contributions are also welcomed from other related areas, such as theoretical computer science or philosophy, as long as the methods of mathematical logic play a significant role.

Archive for Mathematical Logic | Home

Mathematical logic is a subfield of mathematics exploring the applications of formal logic to mathematics. It bears close connections to metamathematics, the foundations of mathematics, and theoretical computer science. The unifying themes in mathematical logic include the study of the expressive power of formal systems and the deductive power of formal proof systems.

Mathematical logic - Wikipedia

Mathematical logic is the study of the strengths and limitations of formal languages, proofs, and algorithms and their relationships to mathematical structures. It also aims to address foundational issues in mathematics. Logic relates to theoretical computer science through computability theory and proof theory, to algebra, number theory, and algebraic geometry through model theory, and to analysis and ergodic theory through set theory and infinite combinatorics.

Logic | Department of Mathematics Cornell Arts & Sciences

mathematical logic. [n the belief that beginners should be exposed to the easiest and most natural proofs, I have used free-swinging set-theoretic methods. The significance of a demand for constructive proofs can be evaluated only after a certain amount of experience with mathematical logic has been obtained.

Introduction to Mathematical Logic

Volume 44, 2020 Vol 43, 2019 Vol 42, 2018 Vol 41, 2017 Vol 40, 2016 Vol 39, 2015 Vol 38, 2014 Vol 37, 2013 Vol 36, 2012 Vol 35, 2011 Vol 34, 2009-2010 Vol 33, 2008-2009 Vol 32, 2008 Vol 31, 2007 Vol 30, 2006 Vol 29, 2004-2005 Vol 28, 2004 Vol 27, 2003 Vol 26 ... The Journal of Mathematical Sociology, Volume 44, Issue 4 (2020) Research Article ...

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The Road to Modern Logic—An Interpretation | Bulletin of ...

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The Journal of Symbolic Logic publishes research in mathematical logic and its applications of the highest quality. Papers are expected to exhibit innovation and not merely be minor variations on established work. They should also be of interest to a broad audience.