

Contents

VOLUME I

Editorial note	VII
A. Mostowski (1913–1975) (by <i>W. Marek</i>)	IX
Bibliography of works of A. Mostowski (compiled by <i>W. Marek</i>)	XI
Andrzej Mostowski's studies of decidability, recursion and hierarchy (by <i>A. Grzegorzczak</i>)	XXI
The investigations of Andrzej Mostowski in the foundations of set theory (by <i>W. Guzicki and W. Marek</i>)	XXVII
The work of Andrzej Mostowski in model theory (by <i>L. Pacholski</i>)	XXXIII
Research work of A. Mostowski in logical calculi (by <i>C. Rauszer</i>)	XLI
Contribution of Mostowski to foundation of second order arithmetic (by <i>P. Zbierski</i>)	XLV
Thirty years of foundational studies	1
Models of set theory	177
On the independence of the well-ordering theorem from the ordering principle	290
On definable sets of positive integers	339
(with A. Grzegorzczak and Cz. Ryll-Nardzewski) The classical and the ω -complete arithmetic	371
Formal system of analysis based on an infinitistic rule of proof	390
An exposition of forcing	416
Some impredicative definitions in the axiomatic set-theory	479
(with A. Ehrenfeucht) Models of axiomatic theories admitting automorphisms	494
(with Y. Suzuki) On ω -models which are not β -models	513
Observations concerning elementary extensions of ω -models I	524
An undecidable arithmetical statement	531
(with W. Marek) On extendability of models of ZF set theory to the models of Kelley–Morse theory of classes	553

VOLUME II

Editorial note	VII
Countable Boolean fields and their application to general metamathematics	1
On the independence of definitions of finiteness in a system of logic	18
On some universal relations	68
(with A. Lindenbaum) On the independence of the axiom of choice and some of its consequences	70
(with A. Tarski) Boolean rings with an ordered basis	75
Axiom of choice for finite sets	92
On absolute properties of relations	124
On the principle of dependent choices	134

Proofs of non-deducibility in intuitionistic functional calculus	138
On a set of integers not definable by means of one-quantifier predicates	142
(with A. Tarski) Arithmetical classes and types of well ordered systems	148
On the rules of proof in the pure functional calculus of the first order	149
A classification of logical systems	154
On models of axiomatic systems	192
On direct products of theories	218
On a system of axioms which has no recursively enumerable arithmetic model	249
A lemma concerning recursive functions and its applications	255
A formula with no recursively enumerable model	259
Examples of sets definable by means of two and three quantifiers	275
Contributions to the theory of definable sets and functions	287
(with J. Łoś and H. Rasiowa) A proof of Herbrand's theorem	292
A generalization of a theorem of M. Deuring	298
Concerning a problem of H. Scholz	306
On a generalization of quantifiers	311
On computable sequences	336
On recursive models of formalized arithmetic	351
On a problem of W. Kinna and K. Wagner	357
On various degrees of constructivism	359
A generalization of the incompleteness theorem	376
An example of a non-axiomatizable many valued logic	404
Concerning the problem of axiomatizability of the field of real numbers in the weak second order logic	409
(with A. Grzegorzczuk and Cz. Ryll-Nardzewski) Definability of sets in models of axiomatic theories	427
(with A. Ehrenfeucht) A compact space of models of first order theories	432
(with J. Łoś and H. Rasiowa) An addition to the paper "A proof of Herbrand's theorem"	437
Axiomatizability of some many valued predicate calculi	442
Representability of sets in formal systems	468
A problem in the theory of models	488
The Hilbert epsilon function in many-valued logics	494
On models of Zermelo-Fraenkel set theory satisfying the axiom of constructibility	514
Craig's interpolation theorem in some extended systems of logic	524
Models of second order arithmetic with definable Skolem functions	541
A transfinite sequence of ω -models	554
Partial orderings of the family of ω -models	561
A contribution to teratology	577
A remark on models of the Gödel-Bernays axioms for set theory	590