

Perspectives in Mathematical Logic

# **Ω-Bibliography of Mathematical Logic**

Edited by Gert H. Müller  
In Collaboration with Wolfgang Lenski

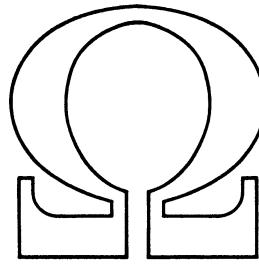
Volume VI

## **Proof Theory Constructive Mathematics**

Jane E. Kister;  
Dirk van Dalen & Anne S. Troelstra (Editors)



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Perspectives  
in  
Mathematical Logic

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*Dedicated  
to  
Alonzo Church*

whose bibliographic work for the  
Journal of Symbolic Logic  
was a milestone in the  
development of modern logic.

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# Preface

Gert H. Müller

The growth of the number of publications in almost all scientific areas, as in the area of (mathematical) logic, is taken as a sign of our scientifically minded culture, but it also has a terrifying aspect. In addition, given the rapidly growing sophistication, specialization and hence subdivision of logic, researchers, students and teachers may have a hard time getting an overview of the existing literature, particularly if they do not have an extensive library available in their neighbourhood: they simply do not even know what to ask for! More specifically, if someone vaguely knows that something vaguely connected with his interests exists somewhere in the literature, he may not be able to find it even by searching through the publications scattered in the review journals. Answering this challenge was and is the central motivation for compiling this Bibliography.

The Bibliography comprises (presently) the following six volumes (listed with the corresponding Editors):

I.	Classical Logic	W. Rautenberg
II.	Non-classical Logics	W. Rautenberg
III.	Model Theory	H.-D. Ebbinghaus
IV.	Recursion Theory	P. G. Hinman
V.	Set Theory	A. R. Blass
VI.	Proof Theory; Constructive Mathematics	J. E. Kister; D. van Dalen & A. S. Troelstra.

Each volume is divided into four main parts:

1) The *Subject Index* is arranged in sections by topics, usually corresponding to sections in the classification scheme; each section is ordered chronologically by year, and within a given year the items are listed alphabetically by author with the titles of the publications and their full classifications added.

2) The *Author Index* is ordered alphabetically by author, and contains the full bibliographical data of each publication together with its review numbers in Mathematical Reviews (MR), Zentralblatt für Mathematik und ihre Grenzgebiete (Zbl), Journal of Symbolic Logic (JSL), and Jahrbuch über die Fortschritte der Mathematik (FdM). We much regret that we were not able to include reviews from Referativnyj Zhurnal Matematika in this edition.

3) The *Source Index* gives the full bibliographical data of each source (journals and books) for which only abbreviated forms are used in the Author Index.

4) The *Miscellaneous Indexes* contain various further indexes and tables to aid the reader in using the Bibliography.

For a more detailed technical description of the Bibliography see the *Table of Contents* and the *User's Guide*.

The uniform classification of all entries is a central feature of the Bibliography. The basic framework is the 03 section of the (1985 version of the) 1980 classification scheme of Mathematical Reviews and Zentralblatt für Mathematik und ihre Grenzgebiete. However, this has been modified in a number of ways. Indeed, the 1980 scheme was designed for the classification of works written after 1980, whereas the majority of entries in the Bibliography come before this date. In some areas

this has made the classification of older works difficult, and we have tried to cope with this by adding a few new sections and altering slightly the interpretation of others. We have not designated the classifications assigned to a work as primary and secondary, because of the difficulty in doing so in many cases. Each volume contains the full annotated classification scheme together with a description of its general features. In their *introductions* the Editors discuss specifically their interpretations of the classification sections falling in their respective volumes.

The Subject Index is another central feature of the Bibliography. Reading through this Index gives a *historical perspective* for each classification section and provides a rather quick overview of the literature in it. By browsing through the entries of a specific area the reader may be rewarded by finding things (literature, subjects, questions) he was not aware of or had forgotten.

An obvious question now is the extent to which one can rely on the *completeness* and *correctness* of the Bibliography and on the *accuracy of the classifications*. We comment on each of these aspects separately.

In an effort to be as complete as possible, we consulted all sources available to us and decided in favour of inclusion in doubtful cases (so that certainly some papers with little bearing on mathematical logic are listed here and there). As the historical starting point for the Bibliography we chose the appearance of Frege's *Begriffsschrift* (1879). A certain restriction on scope stems from our decision to concentrate on mathematical logic and in particular on those areas defined by the titles of the six volumes. A major source of material was provided by the review journals mentioned above; we used them both to identify publications in the less known journals and to find review numbers and other bibliographical data of items found in other sources. We also made use of various lists of literature contained in books, survey articles, mimeographed notes, etc. Some especially valuable newer sources were:

W.Hodges: A Thousand Papers in Model Theory and Algebra

M.A. McRobbie, A. Barcan and P.B. Thistlewaite: Interpolation Theorems: A Bibliography

D.S. Scott and J.M.B. Moss †: A Bibliography of Books on Symbolic Logic, Foundations of Mathematics and Related Subjects

C.A.B. Peacocke and D.S. Scott: A Selective Bibliography of Philosophical Logic.

Various strategies and crosschecks were used to ensure the completeness of the bibliographical data and in particular of the reviews mentioned above. For each item listed in the Bibliography we tried to include any translations, reprintings in alternative sources and errata, and to give cross references for a work appearing in several parts.

On the whole this Bibliography was compiled and organized for use by the practising mathematician; there is no claim that the most rigorous standards of librarianship are met.

It is hard to say how successful our striving for completeness was. This is especially true for the most recent literature. No 1986 items were included. We checked all the main journals in logic, the reviews in MR, Zbl and JSL and Current Mathematical Publications for literature published up to the end of 1985, but undoubtedly some gaps remain.

As for correctness, in any ordinary book we can tolerate a number of printing errors because of our knowledge of the language and the context, but, when one organizes data connected by (abstract) pointers in a computer program, almost every typing error has far-reaching consequences. Various consistency tests were used to check the program and the input data. There are, however, many other sources for mistakes and errors.

For some items our references contained incomplete or ambiguous information. Although we tried to complete the bibliographical data, this was often difficult, particularly in cases where, for example, the source was obscure or the pub-

lisher was given only by location. Another source of errors lies in the identification of author names. An author may publish using abbreviations of his first, his second or both of his given names. This is generally not a problem for authors with uncommon surnames, but if the surname is, e.g., Smith or Brown the possibility of misidentification arises. We may have identified two different authors or failed to identify two or more different forms of an author name.

It is unavoidable in a project of this scope that there will be errors, particularly in the classification, so perhaps it is worthwhile to explain briefly the process by which the classification was done. Items entered before 1981 were originally classified according to a scheme unrelated to the current one. To begin the conversion to the 1980 scheme we used the computer to change old categories to their new versions wherever there was a well-defined correspondence. Then every entry was checked and if necessary reclassified by hand. From 1981 each new entry was classified shortly after being entered in the database. For the most part this was done on the basis of titles, reviews, and other information, but without consulting the works themselves. This was necessary to preserve the finiteness of the enterprise, but it has inevitably led to errors, certainly in some cases egregious ones. These were constantly being corrected during the final editing process, but many will remain.

Although the Editors have to some extent used different strategies in classifying the entries falling into their respective volumes, finally a reasonable degree of uniformity has arisen. The user is referred to the Editors' introductions for further details on the classifying procedure.

A special apology goes to the native speakers of languages with diacritical marks. Our central difficulty was to get the right spelling of names used in different forms in such a variety of sources. In addition, entering diacritical marks in a computer introduces yet another source of errors; so they have almost all been ignored (the User's Guide and the Miscellaneous Indexes contain details of those that have been transliterated). We appreciate that, although the absence of, for example, accents in the text of a French title may not create undue problems, the lack of diacritical marks in author names is particularly unfortunate. We hope that this omission will not be too misleading.

### The future

By its nature a bibliography has lasting value to the extent it succeeds in "completing the past". But it should also serve for some years as an aid to current research. We have various plans to extend the scope of the present Bibliography by including new areas such as universal algebra, sheaves, philosophical logic (subdividing the present volumes I and II appropriately), and philosophy of mathematics. The present six volumes cover only approximately 80% of the data on our computer files.

The possibility of extending the classification scheme by developing a so-called thesaurus system was discussed on several occasions. Certainly this would be desirable; to some extent *Alonzo Church* tried to create such a system in connection with his bibliography in the Journal of Symbolic Logic. However there are difficult scientific problems connected with the creation of such a system and their solution requires much time and expertise.

Another way to extend the Bibliography which would perhaps better serve the purpose of providing an overview of certain special areas would be to commission a series of survey papers to appear from time to time as, say, an additional issue of the Journal of Symbolic Logic; each paper would include an annotated listing of the literature taken from the Bibliography.

There are plans to establish a bibliographical centre for Mathematical Logic and adjacent areas. A central function of such a centre would be to collect infor-

mation on all new publications (including mimeographed notes, theses, etc.) as well as to correct errors and omissions in the current data. It is hoped that all logicians would provide information concerning their own publications as they appear. A continuation of the Bibliography together with supplements (to appear periodically) would be prepared at the centre. We also hope to make available an on-line system. From these activities and the flow of information from the individual logician to the centre and vice versa a "living Bibliography" would emerge. This would provide a way to determine the main trends in the progress (or decline) of specified directions of work. So a centre would exist at which it would be possible to gain some oversight of the rapidly developing field of mathematical logic.

### Acknowledgements

Work on the Bibliography started at the same time as the  $\Omega$ -Group came into being, early in 1969. To begin with, index cards were used for storing bibliographical data; it was *Horst Zeitler* and *Diana Schmidt* who convinced me that we are living in the 20th century and that the data should be computerized. They, together with *Ann Singleterry-Ferebee*, first brought the Bibliography to a workable computerized form at the end of the seventies. In this period I also had the help of *Ulrich Felgner* and *Klaus Gloede*, in particular in classifying the literature. At about this time, others contributed in many useful ways. In particular, important problems of principle were highlighted by a long list of intriguing questions from *Dana Scott*: "How do you classify this or that item . . .?" *Robert Harrison* worked faithfully collecting data for the Source Index.

The second period, beginning in the early eighties, was characterized by the programming necessary to manage the data. This was carried out by *Ulrich Burkhardt* ( $\dagger$ ) and *Werner Wolf* and finally by the outstanding work of *Rolf Bogus*. In this period we also changed the classification system and for this I had the continuous and intensive help of *Andreas Blass* and *Peter Hinman*. In addition, both of them, together with *Heinz-Dieter Ebbinghaus*, gave me much advice about organization and technical arrangements. Over the last four years the work of large groups of students has been essential for collecting reviews, entering corrections and new items into the computer, etc. Again and again I have been overwhelmed by their idealism and energy. Among them I wish to mention particularly the continuous help of *Elisabeth Wette* and *Ulrike Wieland*.

The Bibliography would not have reached publishable form without the work of my collaborator *Wolfgang Lenski* (in the second period). It would have been unthinkable for me to interfere anywhere in the process of the growth of the Bibliography without discussing the matter with him beforehand. He has accumulated a detailed knowledge of every aspect of the project and has devoted his talents for many years to the common enterprise.

My secretary, *Elfriede Ihrig*, has willingly assisted in the work of the  $\Omega$ -Group and the Bibliography from the beginning, over many years, filled with ups and downs and with all kinds of tasks. She has always maintained her warmhearted balance.

*To all I express my personal warm thanks!*

The *Journal of Symbolic Logic* sent information concerning papers for which reviews were never published. We also acknowledge permission to use computer tapes with lists of literature covering certain periods of time from *Mathematical Reviews* and from *Zentralblatt für Mathematik und ihre Grenzgebiete*.

*Yuzuru Kakuda* and *Tosiaki Tugue* collected and prepared the Japanese literature for us. *Petr Hajek* and *Gerd Wechsung* helped us with updating the bibliographical references of so many sources not available to us. *Mo Shaokui* corrected data on the Chinese literature and added items of which we were not aware.

The Editors filled many gaps, corrected all mistakes which came to their attention and undertook the burden of checking – and changing if necessary – the classification of the entries in their special areas. Here again I would like to mention *Rolf Bogus* and *Wolfgang Lenski* who organized the enormous exchange service for the transfer of literature among the Editors and the inputting of the many changes and corrections. *Andreas Blass* and *Peter Hinman* were also instrumental in this exchange; their preliminary classification of each item added to the Bibliography during the final editing process meant that the Editors had mainly to look at items inside their own areas. *Jane Kister* read through the whole Source Index correcting mistakes and suggesting valuable changes in it.

In collecting and organizing the data for the Bibliography we have received much help from various sources, and especially in letters from colleagues all over the world, containing information and suggestions. I apologize for being unable to answer them all individually, but all were read carefully.

*We thank all those concerned.*

As everybody can guess, the whole enterprise was indeed expensive. *Financial support was provided by the Heidelberger Akademie der Wissenschaften in the framework of the Ω-Group project.*

Special thanks go to the firm APPL, who transformed our computer tapes to the present printed form, and to the editorial and production staff of SPRINGER-Verlag for their continuous help, notably in the traditionally fine realization of the six volumes.

*Finally, through working so many years on this project I have come to understand and appreciate more and more the immense work of Alonzo Church in building his Bibliography of Logic and its adjacent areas, together with a detailed classification, that is contained in so many volumes of the Journal of Symbolic Logic. Understanding comes from doing.*

# Introduction

Jane E. Kister (Proof Theory)

Dirk van Dalen & Anne S. Troelstra (Constructive Mathematics)

## Preliminary Remarks

The present volume covers the literature on proof theory, constructive mathematics, lambda-calculus and combinatory logic. “Constructive” is here to be understood in the broad sense, and includes intuitionism, finitism, recursive mathematics and predicative mathematics.

The contents thus correspond roughly to section 03F plus 03B40 of the AMS (1980)-classification. The subsections within 03F are interpreted along the lines of the  $\Omega$ -classification scheme and are discussed in greater detail below. B40 has been incorporated in this volume because it fitted in rather well with section F; there are manifold connections between B40 and section F.

We have divided the items into 18 chapters, most of which correspond to a single subsection of F each; one chapter is devoted to combinatory logic and the lambda-calculus (B40). The chapters are grouped under five headings.

Any attempt to classify a large number of items, produced over almost 100 years, is full of pitfalls. The classification scheme itself is in some sense a compromise. The continuing development of a subject requires a constant revision of the classification; papers belonging to the early history of the subject are often difficult to fit into a classification based on work of the last decade, say; on the other hand future developments may call for a refinement of the existing classification scheme. We have tried to annotate the F-section so as to accommodate the main concerns of proof theory and constructive mathematics throughout this century. However, as the scheme was originally conceived for items appearing in the 1980s, it was often difficult to find precisely the right niche for papers written in the 1920s and 1930s.

Decisions on the classifications to be assigned to a particular paper will always retain a subjective element. For one thing, one’s views as to what exactly belongs under a particular heading of the classification develop and change during the process of classifying a large number of items – one is often induced to look back a second time at items classified early on, in order to check consistency and to modify, possibly, the original classifications. The reader should not expect one hundred percent consistency in our decisions.

One is also faced with a choice between a broad view and a narrow view of the classification. On the broad view, one lists an item under every subject to which it is possibly relevant; on the narrow view, an item is listed only under the topics which take up a substantial part of the item concerned. Both extremes may result in loss of information. We have tried to steer a middle course; thus, for example, a passing remark on the intuitionistic case in a paper dealing with classical formalisms does not, as a rule, lead to inclusion under F50. On the other hand, we have not tried to isolate the single most important aspect of a given item.

Since it was impossible for us to inspect each individual item, we had to rely in most cases on the available reviews to suggest appropriate classifications. If the reviews seemed to give too little information for a decision, we tried to look up the item itself. However, this was not always possible, partly because of the inaccessibility of some of the older or more obscure journals, but also because of time. In

certain doubtful cases, when we had little to go on other than the title, we assigned the classification F99. Such items all appear in the ‘Miscellaneous’ section of the Subject Index.

## Comments on the Classification Scheme

The following remarks are intended to supplement and to some extent explain the B40 and F-sections of the fully annotated classification scheme.

### **1. Historical, critical and philosophical publications ( $A05 \cup A10 \cap (F \cup B40)$ )**

All items with an F classification or in B40 which have a substantial historical and/or philosophical component have been collected here. Papers which do not contain substantial technical results but rather general discussions pertinent to the present volume, for example on Hilbert’s programme, are classified  $A05 \cap F99$ .

### **2. Combinatory logic and lambda-calculus (B40)**

Items dealing with, or containing a non-trivial application of the lambda-calculus and/or combinatory logic are listed here. Typed lambda-calculus and combinatory logic are also included but items using lambda abstraction for comprehension terms only are not.

### **3-4. Cut elimination and normal form theorems, structure of proofs (F05 and F07)**

“Structure of proofs” (F07) is interpreted to include the study of those formal systems (generally not of the axiomatic type) in which the logical rules generate proofs with interesting structure: the prime examples of such systems are Gentzen-style natural deduction systems and sequent calculi. This section thus includes analyses of introduction and elimination rules for systems of propositional and predicate logic. Studies of various forms of the induction rule or  $\omega$ -rule in systems of arithmetic are generally not in the F07 section: they are classified as F30.

F05 is also concerned with the structure of proofs but is reserved for those items treating “normal form” theorems. We have included under this heading cut-elimination theorems for sequent calculi, normalisation theorems for systems of natural deduction and Herbrand’s theorem. Applications of normal form theorems also appear under F05. Normal form theorems for systems of both classical and intuitionistic logic are in this section (those for intuitionistic systems are also under F50) but those for which the underlying system is a modal, tense or relevance logic have not generally been included; they are classified as B45 or B46. In many cases the methodology behind normalisation theorems for terms in typed systems is very similar to that for natural deduction systems (W. A. Howard’s “formulae-as-types” isomorphism 1980, ID 74281); however, items dealing with terms rather than proofs generally do not appear in F05, but in B40 or F10.

For practical reasons, the few items dealing with Hilbert’s  $\varepsilon$ -symbol are also in F05.

### **5. Functionals in proof theory (F10)**

The use of functionals in proof theory stems from G.Kreisel’s no-counterexample interpretation and Gödel’s “Dialectica interpretation” (Kreisel 1951, ID 28465; Gödel 1958, ID 20826). This section includes work on primitive recursive functionals of finite type and on systems of typed terms including a recursor, explicitly or implicitly relating to functional interpretations of arithmetic. Items concerning terms in the pure typed lambda-calculus are in B40 and not in F10.

## 6. Recursive ordinals and ordinal notations (F15)

This section includes those items in proof theory in which ordinals play a significant role.

Ordinal notations, both as the prime object of study and in connection with the proof-theoretic study of strengthenings of arithmetic and subsystems of analysis, are to be found here. Some systems of notations are based on a classical set-theoretical study of functions on the ordinals. An item in which the classical theory is considered is in both F15 and E10 but more constructively based studies of notations have no E classification. For example, items concerning the theory of Kleene's notation system  $O$  (1938, ID 07166) for the constructive ordinals based on recursion-theoretic ideas are in F15 and often in D as well but not in E. Proof-theoretic studies of first-order arithmetic in which ordinals  $\alpha \leq \varepsilon_0$  are mentioned have generally not been included here unless the notation system or accessibility (well-ordering) proof for  $\alpha$  constitutes a substantial part of the paper.

Hierarchies of number-theoretic functions indexed by (notations for) ordinals and, more generally, functions and functionals defined by transfinite recursion (using a specific well-ordering) are classified in F15. Orderings defined on classes of number-theoretic functions are another topic that appears in this section. A final topic included in F15 (as well as other F-sections) is that of transfinite progressions of theories (e.g., Turing's ordinal logics (1939, ID 13726), Feferman's systems of ramified analysis (1964, ID 03695)), where again the well-ordering used in the definition plays a critical role.

## 7. Complexity of proofs (F20)

This section contains those items dealing with the quantitative analysis of proof structures. Thus, work on the length or complexity of proofs appears here but papers in which the computational complexity (e.g. time and space complexity) of other processes such as testing for validity or performing reductions on terms have been excluded; they are classified under D15.

## 8. Relative consistency and interpretations (F25)

This section consists of two major (related) parts, on relative consistency and on interpretations. We have been rather restrictive in assigning this classification to items in which relative consistency is discussed. This is more for practical than methodological reasons. So much of the work that has been done in proof theory has been directly or indirectly concerned with questions of consistency that a liberal interpretation of this classification would include a very large number of items. Items concerning consistency which could properly be assigned alternative classifications do not generally appear here. Thus the portion of F25 dealing with relative consistency is reserved for papers concerning the relative consistency of two *arbitrary* theories. Those concerning the (relative) consistency of set theory (with additional assumptions) are in E35 and not here. Similarly papers on consistency proofs for arithmetic or (subsystems of) analysis occur under F30 or F35 and possibly elsewhere in F depending on the logical basis and the techniques used in the proofs, but usually not in F25. Philosophically oriented work on the consistency problem related to Hilbert's programme and Gödel's second incompleteness theorem is usually in A05 ∩ F99.

The Tarski notion of interpretation of one theory into another (Tarski 1953, ID 28815) has generated a number of papers on interpretations; these have been classified in F25 even if the approach is not strictly proof-theoretic, and again this is for a practical reason: there is no other obvious classification for these items.

## 9. First-order arithmetic and fragments (F30)

This section deals with formal systems for classical and intuitionistic arithmetic and fragments thereof. Of the many aspects of the metamathematics of arithmetic in this section, one of the largest under the F-classification, we mention some of the prominent themes.

Gödel's incompleteness theorems form the basis of one of the main topics in this section. Thus items concerning undecidable sentences appear here, as do those in which the consistency of arithmetic (in the spirit of Hilbert's programme) is discussed. Gentzen-type results on the consistency of arithmetic are also in F30 (and often in another F-section depending on the method of proof).

The more recent topic of provability logic of arithmetic, an offshoot of the incompleteness theorems, is also in this section (and usually also in B45, indicating the use of modal operators).

Papers in which (nonstandard) models of some specific formal system for arithmetic are studied are classified both under F30 and under C62 (and/or H15). However, those concerning models of “true arithmetic” or full Peano arithmetic (where the formal system is not the main focus of study) do not appear in this section; they are in C62.

One final word of caution: many of the standard introductory textbooks on logic include chapters on formal systems of arithmetic and Gödel's incompleteness theorems. Although we have tried to add F30 to the classification of such items, we suspect that there are many which will only be found elsewhere (e.g. under B98).

## 10. Second- and higher-order arithmetic and fragments (F35)

This section comprises metamathematical work on systems of second- and higher-order arithmetic and generalized inductive definitions. It includes both classical and intuitionistic analysis; those items dealing with the metamathematics of intuitionistic analysis appear here and under F50. Even though intuitionistic analysis with variables for sequences, rather than for sets of natural numbers, is in many ways more akin to arithmetic than to a second-order system, we have included it since many users of the bibliography will expect to find it here. Papers on the ramified hierarchy and the metamathematics of predicativism often appear in this section as well as under F65.

Systems in the language of set theory, considered as a first-order language, are not included. However, the proof theory of higher-order logic and type theory (even when the arithmetic properties of the system are not explicitly considered) appears in this section (see also B15).

Items on the model theory of analysis ( $\beta$ -models, etc.) are treated as are those on the model theory of arithmetic: when the underlying formal system plays a role, the two-fold classification, F35 and C62, is used; otherwise, only C62 is used.

## 11. Gödel numberings in proof theory (F40)

“Gödel numberings in proof theory” is intended for those papers in which the form of the Gödel numbering of syntax plays an important and specific role. It does not include the many papers in which standard properties of the usual Gödel numberings are implicitly assumed in the course of establishing incompleteness theorems and related results.

## 12. Metamathematics of constructive systems (F50)

This section deals with the metamathematics of constructive and intuitionistic mathematics (F55 and F60). The metamathematics of predicative mathematics is not included; such items are found under F65.

Thus in this section one finds all items dealing with formal systems for intuitionistic propositional and predicate logic, arithmetic, analysis, etc. Intuitionistic arithmetic also appears under F30, intuitionistic analysis and type theory also under F35. Subjects such as realizability, Kripke and Beth semantics for intuitionistic logic appear in this section.

### **13. Constructive and intuitionistic mathematics (F55)**

This section contains items dealing with intuitionistic mathematics (“IM”) in the spirit of L.E.J. Brouwer and A. Heyting, as well as constructive mathematics in the spirit of E. Bishop (“BCM”). These traditions have much in common, and have therefore been brought together in a single section. All BCM is acceptable as IM; conversely, many papers on IM written before Bishop’s book (1967, ID 01525) can also be counted as contributions to BCM, in particular when no use has been made of special properties of choice sequences.

Constructive mathematics in the sense of A.A. Markov (based on Church’s thesis) is not included; this is found under F60. Finitism, although intuitionistically acceptable, is listed under F65.

### **14. Constructive recursive analysis (F60)**

This section includes constructive recursive mathematics (“CRM”) in the sense of A.A. Markov and N.A. Shanin, as well as classical recursive analysis. Although classical recursive analysis has classical logic as its basis, many of its results are directly relevant to, and can be lifted to CRM, and vice versa.

### **15. Other constructive mathematics (F65)**

This section contains papers based on specific constructive foundational views that could not be subsumed under F55 or F60, for example finitism, predicativism (also when the logical basis is classical) and ultra-intuitionism (ultra-finitism). The papers in this section may be either mathematical or metamathematical in nature. The reason for including papers on the metamathematics of these forms of constructivism is a pragmatical one: section F50 is already quite large as it is. Papers on primitive recursive arithmetic, the prime example of a finitist formalism, listed under F30 are also listed here when the foundational aspects are considered; papers on predicative analysis appear here and under F35. For papers of an overall historical or philosophical nature one should consult  $(A05 \cup A10) \cap (F \cup B40)$ .

### **16–17. Proceedings, textbooks, surveys (F97 and F98)**

Only those volumes with a substantial percentage (more than forty percent, say) of papers falling under the F-section or B40 appear here.

### **18. Miscellaneous (F99 \ (A05 \cup A10))**

This section includes only those items which could not be classified more accurately, e.g. for lack of detailed information, but which nevertheless were thought to belong to the F-section. Papers with a substantial historical and/or philosophical component appear under  $(A05 \cup A10) \cap (F \cup B40)$ .

# User's Guide

Wolfgang Lenski & Gert H. Müller

## §1. Introduction

After some opening remarks, the organization of this Guide follows the main division of the volume: *Subject Index*, *Author Index*, *Source Index*, *Miscellaneous Indexes*. For each part we give first a general explanation followed by a more detailed description of typical entries in the index in question. The reader will probably find the User's Guide most helpful when he comes across an unclear entry in the Bibliography: he can then turn directly to the corresponding section in this Guide for an explanation of the abbreviations and conventions used.

## §2. General remarks

The main languages of the Bibliography are English, French, German, Italian, and Spanish. For other languages translations (of titles, names of sources, etc.) are used – with some few exceptions in cases for which we had no translation. These translations were taken from various available sources or made by the Editors.

For practical reasons, all entries are in the Roman alphabet and diacritical marks have not been used. Thus, for languages other than English certain conventions have been adopted.

The *transliteration of Cyrillic names and titles*, the treatment of *diacritical marks* and the *alphabetization and alternative spelling* of author names are explained in detail in the Miscellaneous Indexes.

The *abbreviations of sources* were either taken from one of the various reviewing journals or invented by us. Although we had to abbreviate long titles, we hope that in most cases the abbreviation will suggest the full title in a sufficiently understandable way. How successful we were is left to the user to decide.

The *review numbers* given with the entries in the Author Index are from *Mathematical Reviews* (MR), *Zentralblatt für Mathematik und ihre Grenzgebiete* (Zbl), *Journal of Symbolic Logic* (JSL), and *Jahrbuch über die Fortschritte der Mathematik* (FdM). We made a serious attempt to include all reviews of any given item but we have doubts concerning our success. We also tried to avoid listing two reviews for a given item in those cases in which the second “review” simply points to the original review and does not give any additional information.

In case of *multipart publications* pointers are given to the other parts, as far as they are known, in the *Remarks* to the publication in question. It is not always the case that the different parts of a publication all have the same classifications. Thus it may happen that, for example, part I has a classification in this volume and part II does not. In this case the Remarks for part I indicate the author(s) and year of publication of part II. The user will need to consult the other volumes for further bibliographic information on part II.

The general way to search through the Bibliography is to use certain *pointers*: From the Subject Index to the Author Index the pointer is [Author, Year, Title]; from the Author Index to the Source Index the pointers are 5-digit codes; e.g. (J 1234) is a code which sends the user to the J-section of the Source Index.

A *word of caution*: In order to use the Bibliography for quotations in future

publications it is necessary to use both the Author Index and the Source Index; it is not generally sufficient to quote just from the Author Index. For example, for the paper “AANDERAA, S.O. [1974] *On k-tape versus (k – 1)-tape real time computation*” a quotation of the source of this paper as given in the Author Index listing of this item, “Complexity of Computation; 1973 New York 75–96”, would with high probability be misleading: one might try to find a book of this title published in New York in 1973 whereas in fact “1973 New York” denotes the date and place of the conference in the proceedings of which Aanderaa’s paper appears. The volume was actually published in 1974. The source code (P 0761) for “Complexity of Computation; 1973 New York” should be used to find the full details of the source in the Source Index. The abbreviations of the sources may themselves be misleading without the corresponding additional details (e.g. country codes) given in the Source Index. For example, many abbreviations for conference proceedings do not include an abbreviation for “Proceedings of ...”. Thus “Proceedings of the Third Brazilian Conference on Mathematical Logic” is abbreviated by “Brazil Conf Math Logic (3); 1979 Recife”; a reader without the Bibliography at hand might search in vain for the volume under “Brazil” in his library whereas in fact it might be found alphabetically under “Proceedings”.

The Source Index includes, as far as they are known to us, *International Standard Serial Numbers* (ISSN) or *Book Numbers* (ISBN) and *Library of Congress* (LC) numbers. They may help in finding the source in question in libraries or bookstores.

To facilitate searches for works spanning two or more of the major subfields of logic, the first of the Miscellaneous Indexes lists the entries in the present volume that also occur in other volumes of the Bibliography.

Accidental occurrences of features not explained in the User’s Guide are left as exercises to the user. HINT: Write to us (in any case), please.

### §3. Subject Index

This is a listing of publication items ordered

first by the (special) *classification sections*,  
then by the *year of appearance*,  
and finally *alphabetically by author*,

showing the author, title and the codes of all classification sections which apply to the given publication.

- The *titles* are given in the main languages of the Bibliography; if the original title is in another language, this is indicated in parentheses, e.g. (Russian), but only a translation of the title is given. Information on summaries in languages other than the original is included.
- If a publication is by *multiple authors*, it occurs only *once*, under the alphabetically first name. (But see also the Author Index.)
- In order to get the full bibliographical data of a publication, use the author, year and title to find the item in the Author Index.
- The classification sections listed in each volume have been selected by the individual editors. Sections B96–F96 have been systematically omitted; for the collected works of an author refer to the Author Index.

## §4. Author Index

This is a listing of publication items ordered

alphabetically by *author*, and for a given author  
chronologically by the *year of appearance*, and therein  
alphabetically by *title* of the item.

- The titles are given in the main languages as in the Subject Index.
- The *names* of the *authors* are written in the Roman alphabet using the Transliteration Table (see Miscellaneous Indexes) if necessary. There may be many versions of the name in use for a given author; (e.g. different combinations of the given name(s) or initials; different names used before and after marriage; different transliterations). The Miscellaneous Indexes include a table of different versions (known to us) and the corresponding form used in this Bibliography.
- Here publications with *multiple authors* are listed under *each* author but in the alphabetically later cases only the year is given and there is a pointer to the full entry given under the first author.
- The last entries for an author may contain a *reference to other name(s)* under which he/she also has publications in the Bibliography or *to other volumes* of the Bibliography where he/she has publications not mentioned in the present volume. A complete list of the author's papers contained in the six volumes is obtained by consulting the other volumes.
- In the following we explain the *individual entries* in more detail by giving an *idealized* example using fictitious names and sources showing all features that might occur; in a given case some features may not appear either because they do not apply or because our information is incomplete. The typefaces of the example and the order of its fields are as in the Author Index but, for *expository reasons only*, here we list all features on separate lines numbered by (1), (2), ...; we list explicitly those fields that begin a new line in the Author Index itself. (The foregoing description applies not only to the explanation of the Author Index treated here but also to the explanation of the Source Index later on.)

### Example

- (1) AUTHOR, K.J. & COMPANION, CECIL X. [1972]
- (2) *On coding and decoding (Russian) (English and French summaries)*
- (3) (J 9999) or (S 9998) or (P 9997) or (C 9996) or (X 9995)
- (4) J Math 1\*1-10
  - or Math Logic Series 1
  - or Logic Conf; 1999 London 3-10
  - or Math Publ xxv+200pp
- (5) • ERR/ADD ibid 2\*3-4 or (J 8888) Arch of Logic 2\*3-4
 

(A new line begins here.)
- (6) • LAST ED [1983] (X 9900) Logic Publ xx+100pp
- (7) • REPR [1981] (J 9901) Math Logic J 2\*3-8
- (8) • TRANSL [1979] (J 9902) Math Transl 1\*4-8
 

(A new line begins here.)
- (9) ◊ B05 B20 C12 ◊
- (10) • REV MR 99a:03001 Zbl 999 # 03001 JSL 99.321 FdM 99.123
- (11) • REM This is an illustrative example
- (12) • ID 12345

## Explanations

(1) lists the authors followed by the year (in brackets) of publication of the item. Exceptionally a full given name (e.g. CECIL) is used to distinguish several authors with the same surname and initials.

(2) gives the title of the item followed, if the original is not in an official language of the bibliography, by the original language in parentheses and an indication of summaries in languages other than the original.

(3) is a pointer (or "source code") to the *Source Index*; there are five types: *Journal (J)*, *Series (S)*, *Proceedings Volume (P)*, *Collection Volume (C)*, and *Publisher (X)*; one such code appears in (3). In order to find the full bibliographical data of the source use the pointer to locate the source in the *Source Index*; e.g. (J 9999) is given in the J-section of the *Source Index*.

*Note:* For a small number of items the source code is 0000, 1111, 2222 or 3333 (*not* preceded by J,S,P,C, or X). The code 0000, respectively 1111, indicates that the item is a thesis, respectively technical report. The code 2222, respectively 3333, is used for those cases in which the source, respectively publisher, is unknown. In each such case any further source information available is given in the Remarks (see line (11)).

(4) contains the abbreviation of the source indicated by the code in (3) followed by the paging as appropriate. Certain uniform features of the form of abbreviation used for proceedings and collection volumes should help the reader to recognise the volume. Abbreviations for proceedings (P) volumes end with an indication of the year and place of the corresponding conference, e.g. 1973 New York. Likewise, a name in parentheses, e.g. (Goedel), in an abbreviation of a collection (C) volume indicates the honorand to whom the volume is dedicated. A name followed by a colon, e.g. "Wang:", at the beginning of a collection volume abbreviation, indicates the author of all papers in the collection. The paging takes one of the following forms:

1\*1-10 : Volume 1, pages 1-10 (for journals or series)

1/2\*1-10 : Volume 1, Issue 2, pages 1-10 (for journals)

3-10 : pages 3-10 (for proceedings or collection volumes)

xx + 200pp: initial paging + paging of a book (following a publisher or series)

(5) The • here and later is intended to make the entries easier to read. It is used to separate different types of information. After the • is the bibliographical information for published errata or addenda to the item. The two ways ERR/ADD can be given correspond to the cases in which its source is the same as in (4) (indicated by "ibid") and that in which it is in a different source; in the latter case the entry is of the same form as in (3) and (4).

The remaining information is not strictly part of the bibliographical data but contains useful additions.

(6), (7), (8) list the most recent edition, reprintings and translations, respectively, given by source as in (3) and (4); note that (7) and/or (8) may contain several entries for one publication.

(9) The classification codes enclosed in ◊ always begin a new line. Note that the codes are given in alphabetical/numerical order; no distinction of primary and secondary classification is made. (The classifications often differ from those assigned to the item in MR or Zbl.)

(10) lists the reviews. Sometimes two reviews are given from one reviewing journal. This may happen, e.g., when an item and its erratum/addendum are reviewed separately or when two different editions of a book have independent reviews.

(11) contains additional information not appropriate for coding in one of the standard fields.

(12) Each entry ends with its *identification number*. It is not used elsewhere in the main body of this volume except occasionally in the Introduction and the Remarks of another item where it may be used to pinpoint an item not uniquely identified by author(s) and year. The identification number is used (together with author(s) and year) as a pointer in the External Classification Code Index. We ask that the identification number be used in any correspondence with the Editors concerning this publication, as the bibliographical data base is indexed by these numbers.

## §5. Source Index

This index contains the bibliographical data of the sources of the publications listed in this volume. It is subdivided into the following parts.

**J ( Journals), S ( Series), C ( Collection volumes ), P ( Proceedings), X ( Publishers).**

- Each part is ordered by the 4-digit source code numbers. (There is no significance to the particular 4-digit number assigned to a given source other than as a way to find the entry in the source index. Numbers were assigned as the sources were entered into the data base and so the numbering does not correspond to alphabetical order or order of publication.) Each 4-digit number is used *only once* as a source code so that, e.g., 0007 is a source code for a journal and the number 0007 is not used as a code for a series, proceedings, collection volume or publisher.
- Titles are given in the original language, using the transliteration system (see Miscellaneous Indexes) where necessary, followed, if necessary, by a translation into one of the main languages in parentheses. Sometimes if the original title is unknown to us, we give only a translated title in parentheses. Sometimes a source, e.g., a journal, has more than one title (English, French, German); in this case all titles are given, separated by \*. These measures were taken to ease the search in libraries. In order to explain the entries in the Source Index we again use idealized examples and apply the conventions described in §4 above.

### Journals

Example of a journal entry:

- (1) J 8888 Math Div • F  
(A new line begins here)
- (2) *Mathematica Diversa* \* *Mathematiques Diverses*
- (3) [1900ff] or [1905–1935] ISSN 0007-0882  
(A new line begins here.)
- (4) • CONT OF (J 8885) J Math Ser A
- (5) • CONT AS (J 8887) J Math Ser C
- (6) • TRANSL IN (J 9904) Math Transl
- (7) • TRANSL OF (J 9905) Matemat
- ((4) – (7) may contain more than one entry)  
(A new line begins here.)
- (8) • REL PUBL (J 9903) Mathematica (Subseria)
- (9) • REM This journal is a fiction

### Explanations

- (1) Source code and abbreviation of the journal as used in the Author Index followed by the *international vehicle code* of the country in which the journal is published. A list of these codes is included in the Miscellaneous Indexes.
- (2) The form of title(s) (and translations) are explained above.

(3) [1900ff] indicates that this journal has appeared continuously since 1900; [1905–1935] indicates that the journal appeared from 1905 to 1935. The International Standard Serial Number (ISSN) is given whenever possible.

(4), (5) give the predecessors (continuation of) and successors (continued as) of the journal in (2). In some cases in (4) or (5) the source code may be missing; this means that there are no entries in the Author Index which refer to the continued source. (It is mentioned, however, for the convenience of the user.)

(6) lists the translation journals of (2) and (7) gives the journal of which (2) is a translation; the source code is shown only if the translation in question is used as a source in this Bibliography. (6) and (7) do not both occur in a single journal entry.

(8) lists further entries in the Bibliography related to this journal, e.g. a subseries of the journal.

(9) is intended for additional information of various kinds.

## Series

It is often hard to determine what should and what should not be characterised as a series. Some serials that we have chosen to treat as series may elsewhere be considered to be journals. In other cases, in particular certain publication series of university mathematics departments, the series includes all publications of its publisher and so might reasonably be identified with the publisher. Despite these considerations, we have chosen to list series separately to accord with the form of quotation often used in the modern literature.

Example of a series entry:

(1) S 8999 Notae Log • NL

(A new line begins here)

(2) *Notae Logicae \* Notas Logicas*

(3) [1900ff] or [1905–1935]

(4) • ED: EDITOR, A.A. & COEDITOR, B.B.

(5) • SER (S 8998) Notes in Phil

(6) • PUBL (X 9950) Logic Publ Co: Heidelberg

(7) • ALT PUBL (X 9951) Math Publ Inc: London

(A new line begins here.)

(8) • CONT OF (S 9975) Notes in Logic A

(9) • CONT AS (S 9901) Notes in Logic B

(10) • TRANSL IN (S 9902) Notes de Logique

(11) • TRANSL OF (S 9903) Logical Notes

(A new line begins here.)

(12) • ISSN 0011-11122 (or ISBN 0011-11123) LC-No 73-10000

(13) • REL PUBL (S 9900) Notae Logicae (Subseria)

(14) • REM The origins of this series are somewhat obscure

## Explanations

Entries (1), (2), (3), (8)–(11), (13), and (14) correspond to (1), (2), (3), (4)–(7), (8), (9), respectively, of the *journal entry* described above.

(4) lists the editors of the series (given in the same form as in line (1) of the Author Index example).

(5) Occasionally a series is itself a subseries of another series or journal. This is indicated in (5) (with an S or J as appropriate).

(6) gives the publisher of (2). For those publishers not listed in the publisher section of the Source Index, an abbreviation is sometimes used if either the abbreviation is readily understandable or the full name is not known.

(7) Some sources are published by two or more publishers; ALT PUBL lists the alternative publisher(s).

(12) lists the ISSN (or ISBN) and the Library of Congress number.

## Proceedings and Collection Volumes

Example of a proceedings or collection volume:

(1) P 9920 Atti Congr Mat; 1971 London, ON • CDN  
or

C 9921 Atti Congr Mat • D

(A new line begins here.)

(2) [1972]

(3) *Atti del Congresso di Matematica \* Actes du Congres de Mathematique*

(4) • ED: EDITOR, A.A. & COEDITOR, B.B.

(5) • SER (S 8999) Notes in Logic

(6) • PUBL (X 9950) Logic Publ Co: Heidelberg

(7) • ALT PUBL (X 9951) Math Publ Co: London

(A new line begins here.)

(8) • DAT&PL 1971 Aug;London, ON, CDN

(9) • ISBN 0-012-34567-X, LC-No 84-98765

(10) • REL PUBL (P 9947) Atti Congr Mat Vol Spez

(A new line begins here.)

(11) • TRANSL IN [1973] Conf de Logique Math (3); London, ON,  
CDN

• PUBL (X 9949) Livres: Paris

(12) • TRANSL OF [1971] Konf Math Logik (3); London, ON, CDN

• PUBL (X 9948) Buchverlag: Stuttgart

(A new line begins here.)

(13) • REM Not all the articles appear in the translation

### **Explanations**

(1), (3), (4) – (7), (9), (11), (12), (13) correspond to (1), (2), (4)–(7), (12), (10), (11) and (14), respectively, of a *series entry*. In (11), (12) PUBL denotes the publisher of the translation or original, respectively.

(2) denotes the year of publication of the volume (and not, in the case of a proceedings, the year of the conference).

(8) is used for proceedings volumes to indicate the date (year and month) and place of the conference, given by the city, the state (for the USA and elsewhere) and the country using its code as defined above. Note in case of *Proceedings* (P) volumes in (1) the country code of the place of the conference is repeated for conformity reasons, whereas for *Collection* (C) volumes the country code in (1) refers to the location of the publisher as in the case of *Journals* and *Series*.

(10) lists further entries in the Bibliography related to this volume, e.g. another proceedings volume of the same conference or a journal of which the volume is a special issue.

### **Publisher**

Example of a publisher entry:

(1) X 9950 *Logic Publishing Company* (Heidelberg, D & London,  
GB) ISBN 0-01

(2) • REL PUBL (X 9930) Editions Logiques: Paris, F

(3) • REM In London called Logic Publishing Corporation

### **Explanations**

(1) lists the source code and full name of the publisher followed, in parenthesis, by the cities from which the publisher publishes and the ISBN. As in (8) of a P or C entry, codes are used for countries (see *Miscellaneous Indexes*).

(2) lists those publishers who have connections with the publisher listed in (1).

## §6. Miscellaneous Indexes

This part contains the following indexes:

1. External classifications
2. Alphabetization and alternative spellings of author names
3. International vehicle codes
4. Transliteration scheme for Cyrillic

In each case a description of the contents and use are given in the corresponding introductory texts.

# $\Omega$ -Classification Scheme

Andreas R. Blass  
Peter G. Hinman

The classification scheme used for the  $\Omega$ -Bibliography is a modified version of the section “03: Mathematical Logic and Foundations” of the 1985 Mathematics Subject Classification of *Mathematical Reviews* and *Zentralblatt für Mathematik und ihre Grenzgebiete*. For the sake of uniformity we have labeled all sections with a letter followed by a two-digit number; the prefix 03 is superfluous and therefore omitted. This decision has led to the creation of new sections to replace 03–01 through 03–06 (cf. X96–X98 and A10) and several sections with prefix other than 03 which have substantial logical content. Examples of the latter sort are B70 (to replace 94C10) and B75 (to replace the “logical part” of 68B10) (68Q55 and 68Q60 since 1985).

An important category of differences between the two schemes arises from the fact that whereas the MR/Zbl system is intended to classify works written after 1980, the majority of entries in the  $\Omega$ -Bibliography were written before 1980. The subject matter of Mathematical Logic has, of course, changed immensely over the years, and today’s categories are not always sufficient to distinguish properly important lines of earlier research. To deal with this problem we have added a few new sections (e.g. B22, B28, B65, C07, E07, and E47), renamed others (e.g. B35, C35, and E10), and altered slightly the interpretation of others (e.g. B25 and D65). To aid the reader in learning our conventions we have added descriptors to the section names. Topics preceded by a + (–) sign are specifically included (excluded) from a section. When this is in conflict with current MR/Zbl practice, this fact is also noted.

## A

### A05 Philosophical and critical

### A10 History, Biography, Bibliography

MR uses 03–03 and 01A for history and biography  
MR puts bibliography under specific fields.

## B GENERAL LOGIC

### B03 Syntax of logical languages

### B05 Classical propositional logic and boolean functions

- + Axiomatizations of classical propositional logic
- + Boolean functions (machine manipulation is also in B35); MR puts these in G05 and in 06E30 and 94C10.
- Fragments of propositional logic: see B20
- Switching circuits: see B70; MR also uses 94C10

### B10 Classical first-order logic

- + Many-sorted logic
- + Syntax and semantics up to the Completeness Theorem
- Model theory: see Cn, particularly C07
- Proof theory: see Fn

**B15 Higher-order logic and type theory**

- + Higher-order algebraic and other theories
- Higher-order model theory: see C85
- Set theory with classes: see E30 and E70
- Intuitionistic theory of types: see F35

**B20 Fragments of classical logic**

- + Fragments of propositional and of first-order logic
- + Fragments used in model theory, set theory, etc.
- + Syllogistic
- Classical propositional logic: see B05
- Weak axiomatizations without restrictions on formulas: see B55, B60, F50 (“Fragment” refers to reduced expressive power, not reduced deductive power; MR heading “Subsystems of classical logic” includes both)

**B22 Abstract deductive systems**

- + Consequence relations
- MR uses B99

**B25 Decidability of theories and sets of sentences**

- + Decidability of satisfiability
- + Decidable Diophantine problems
- Decidable word problems: see D40
- Other decidability results: see subject of problem, e.g. D05, or D80; MR includes these results here.
- Undecidability results: see D35, D40, D80, etc.

**B28 Classical foundations of number systems**

- + Natural numbers, real numbers, ordinal numbers
  - + Axiomatic foundations and set-theoretic foundations
- MR uses B30

**B30 Logical foundations of other classical theories; axiomatics**

- + Axiomatic method
  - + Geometry, probability, physics, etc.
  - + Models for non-mathematical theories
  - Foundations of parts of logic: see that part.
- MR heading: “Foundations and axiomatics of classical theories” includes also B28

**B35 Mechanization of proofs and logical operations**

- + Theorem proving, proof checking by machine
  - + Minimization algorithms for Boolean functions
  - + Optimization of logical operations
- MR sometimes uses 03-04 or 68G15 (68T15 since 1985)

**B40 Combinatory logic and lambda-calculus**

- + Models of lambda-calculus

**B45 Modal and tense logic**

- + Intensional logic; see also A05
- + Normative and deontic logic
- + Other non-truth-functional systems

**B46 Relevance and entailment**

- + Fragments
  - Primarily modal logic
- MR uses B45

**B48 Probability and inductive logic**

- See also A05 and C90
- + Confirmation theory
  - Foundations of probability: see B30; MR uses B48

**B50 Many-valued logic**

- + Matrix interpretations of propositional connectives unless used only as a tool for investigating classical propositional logic.
- Boolean valued set theory: see E40
- Probability logic: see B48 or C90

**B51 Quantum logic**

- Algebraic study of Quantum logic: see G12
- MR uses only G12

**B52 Fuzzy logic**

- + Vagueness logic
- Papers demonstrating the fuzziness of the author's thought processes

**B53 Paraconsistent logic**

- + Discursive and dialectical logic
- MR uses B60

**B55 Intermediate and related logics**

- + (Fragments of) propositional and predicate logics between intuitionistic or minimal and classical

**B60 Other logics**

- Intuitionistic logic: see F50 (MR uses B20)

**B65 Logic of natural languages**

- Computer languages: see B75
- Formal grammars unless applied to natural languages: see D05
- Natural language as a tool for the study of thought, reality, etc.: see A05
- MR uses B65, B99, and 68Fn (68Sn since 1985)

**B70 Logic in computer design; switching circuits**

- + Hardware related to logic
- MR uses 94Cn

**B75 Logic of algorithmic and programming languages**

- + Algorithmic and dynamic logic; MR uses B70 (formerly B45)
- + Logical analysis of programs
- + Logical aspects of database query languages and information retrieval
- + Semantics of programming languages related to logic
- + Software related to logic
- Specific algorithms: see subject of algorithm
- MR uses B60, B70, 68Bn, 68Fn, and 68H05 (68Pn, 68Qn, and 68Tn since 1985)

**B80 Other applications of logic**

- MR uses B99

**B96 Collected works**

- + Selected works
- Collections (almost) entirely in one subfield: see that subfield
- MR uses 01A75, 03-03, and 03-06

**B97 Proceedings**

- + Collections of papers by various authors, even if they do not derive from any actual conference
  - Proceedings (almost) entirely in one subfield: see that subfield
  - Proceedings not concentrated in this field: see Source Index
- MR uses 03–06

**B98 Textbooks, surveys**

MR uses 03–01 and 03–02

**B99 None of the above or uncertain, but in this section****C MODEL THEORY****C05 Equational classes, universal algebra**

- + Quasi-varieties, if the emphasis is algebraic
- Word problems: see D40

**C07 Basic properties of first-order languages and structures**

- + Completeness, compactness, Löwenheim-Skolem, and omitting types theorems for ordinary first-order logic; MR uses C50 for omitting types
- + General properties of first-order theories
- + Homomorphisms, automorphisms, and isomorphisms of first-order structures
- Analogues of these for stronger languages: see C55, C70, C75, etc.

**C10 Quantifier elimination and related topics****C13 Finite structures**

- + The spectrum problem
- + Probabilities of sentences being true in finite structures

**C15 Denumerable structures****C20 Ultraproducts and related constructions**

- + Applications of ultraproducts
- + Reduced products, limit ultrapowers, etc.
- General products: see C30

**C25 Model-theoretic forcing**

- + Existentially closed structures, model companions, etc.
- Model complete theories: see C35
- Set-theoretic forcing: see E35, E40

**C30 Other model constructions**

- + Contructions involving indiscernibles
- + Products, diagrams

**C35 Categoricity and completeness of theories**

- + Model completeness
- Gödel's completeness theorem: see C07
- Completeness of axiomatizations of other logics: see those logics, e.g., B45

**C40 Interpolation, preservation, definability**

- + Definability in classes of structures
- Definability in recursion theory: see appropriate Dn.
- Definability in set theory: see E15, E45, and E47

**C45 Stability and related concepts**

- + Rank, total transcendence (even before stability was defined)

**C50 Models with special properties**

- + Saturated, rigid, etc.

**C52 Properties of classes of models****C55 Set-theoretic model theory**

- + Cardinality and ordering of models
- + Generalized Löwenheim-Skolem results
- Applications of set theory to some part of model theory: see that part
- Models of set theory: see C62
- Original Löwenheim-Skolem theorem: see C07

**C57 Recursion-theoretic model theory**

- + Model theory of recursive, arithmetical, etc. structures, types, etc.
- Recursion theory without substantial model-theoretic content: see D45  
MR uses D45

**C60 Model-theoretic algebra**

- + Applications of model theory to specific algebraic theories
- Applications of set theory to algebra: see E75
- Decidability questions for algebraic theories: see B25, D35, and D40
- Model theory of orderings: see C65
- Universal algebra: see C05

**C62 Models of arithmetic and set theory**

- + Admissible sets as models: see also C70 and D60
- + Nonstandard models of arithmetic, when model theory is emphasized
- + Omega-models of higher-order arithmetic
- Models introduced only for consistency results: see F25 and E35
- Nonstandard models of arithmetic, when non-standardness is emphasized: see H15 or H20  
MR uses C62, C65, F30, or H15

**C65 Models of other mathematical theories**

- + Other applications of model theory outside logic
- + Theories of orderings
- Uses of models for purely foundational studies: see B30

**C70 Logic on admissible sets**

- + All sorts of “effective” infinitary logic

**C75 Other infinitary logic**

- + Infinitary logic even if not model theory, e.g., infinite terms in proof theory and infinitary definability in set theory

**C80 Logic with extra quantifiers and operators**

- Hilbert epsilon-theorems: see B10
- Modal or many-valued operators: see B45 or B50

**C85 Second- and higher-order model theory**

- + Weak second-order theories (quantification over finite sets)

**C90 Nonclassical models**

- + Boolean-valued models
- + Sheaf models
- + Kripke models (also in B45 or F50)
- + Probability models (often also in B48)
- + Topological models (unless the topological structure is condensed into a quantifier: see C80); MR uses C85
- Models of lambda calculus: see B40

**C95 Abstract model theory**

- + Lindström's theorem, delta-logics, etc.

**C96 Collected works**

- + Selected works
- Collections (almost) entirely in one subfield: see that subfield  
MR uses 01A75, 03–03, and 03–06

**C97 Proceedings**

- + Collections of papers by various authors, even if they do not derive from any actual conference
- Proceedings (almost) entirely in one subfield: see that subfield
- Proceedings not concentrated in this field: see Source Index  
MR uses 03–06

**C98 Textbooks, surveys**

MR uses 03–01 and 03–02

**C99 None of the above or uncertain, but in this section****D RECURSION THEORY****D03 Thue and Post systems, etc.**

- + Markov's normal algorithms

**D05 Automata and formal grammars in connection with logical questions**

- + Cellular automata
- + Finite automata
- + Generalized automata
- + Regular events
- Grammar of natural languages: see B65  
MR uses 68 for most of these topics

**D10 Turing machines and related notions**

- + Potentially infinite automata
- + Probabilistic Turing machines

**D15 Complexity of computation**

- + Chaitin-Kolmogorov-Solomonoff complexity
- + Finer classification of decidable problems
- + Generalized complexity
- + Resource-bounded computability and reducibility
- + Speed-up theorems
- Complexity of derivations and proofs: see F20
- Complexity of specific non-logical problems (excluded from the  $\Omega$ -Bibliography)
- Syntactic complexity, complexity of Boolean functions, etc.  
MR uses also 68Q15

**D20 Recursive functions and relations, subrecursive hierarchies**

- + Computable functions of real numbers; MR uses D65 and F60
- + General theory of algorithms
- + Partial recursive functions
- + Primitive recursion

**D25 Recursively enumerable sets and degrees**

- + Finer classification of undecidable r.e. problems
- + Many-one, truth table, etc., degrees of r.e. sets
- + Sets whose theory is closely related to that of r.e. sets, e.g., productive sets: see also D50
- Generalizations of recursive enumerability: see D60 and D65
- Partial functions with r.e. graphs: see D20

**D30 Other degrees; reducibilities**

- + Degrees in generalized recursion and constructibility: see also D55, D60, D65, and E45
- + Jump operators
- Subrecursive reducibilities: see D15 and D20

**D35 Undecidability and degrees of sets of sentences**

- + Hilbert's tenth problem and extensions
- + Reduction classes of the predicate calculus (also in B20)
- Decidability results: see B25
- Halting problems, word problems, etc.: see D03, D05, D10, D30, D40, or D80

**D40 Word problems, etc.**

- + Conjugacy, isomorphism, and other algorithmic problems in algebra
- + Decidability and undecidability
- + Other algorithmic questions in classical algebra
- Problems concerning production systems or formal grammar: see D03 and D05
- Recursive functions on words: see D20

**D45 Theory of numerations, effectively presented structures**

- + Numberings of (partial) recursive functions
- + Numerations in the sense of Ershov
- + Recursive algebra, except when it is about recursive equivalence types: see D50
- + Recursive order types
- Classical recursive analysis: see F60
- Model theory of recursive structures: see C57
- Recursive arithmetic: see F30

**D50 Recursive equivalence types of sets and structures, isols**

- + Concepts traditionally associated with isols, e.g., regressiveness and im-muneness

**D55 Hierarchies**

- + Arithmetical, Borel, analytical, projective, etc. hierarchies
- Descriptive Set Theory in which hierarchical questions are not central: see E15
- Hierarchies of definability in set theory: see E47
- Incidental use of hierarchies outside recursion theory
- Subrecursive hierarchies: see D15 and D20

**D60 Recursion theory on ordinals, admissible sets, etc.**

- + Beta-recursion on inadmissible ordinals
- Classification of ordinary recursive functions using ordinals: see D20
- Ordinal notations: see D45 and F15
- Other aspects of admissibility: see C62, C70, or E45

**D65 Higher-type and set recursion**

- + Primitive recursive set functions
- Functionals in Proof Theory: see F10
- Recursion on the hereditarily finite sets: see D20
- Recursion with all arguments and parameters of type  $\leq 1$ : see D20; MR includes this in D65 as long as there are type 1 arguments

**D70 Inductive definability**

- + Constructions equivalent to inductive definitions, e.g. set derivatives, game sentences, etc.
- + Recursion theory of inductive definitions and their duals
- Inductive definitions in proof theory: see F35 and F50
- Mechanics of inductive definitions: see B28, E20, or E30

**D75 Abstract and axiomatic recursion theory**

- + Algebras of (partial) recursive functions; MR uses D20
- + Recursion over general structures

**D80 Applications**

- + Decidability or undecidability results in areas outside logic and algebra
- + Effective versions of problems outside logic and algebra

**D96 Collected works**

- + Selected works
- Collections (almost) entirely in one subfield: see that subfield  
MR uses 01A75, 03–03, and 03–06

**D97 Proceedings**

- + Collections of papers by various authors, even if they do not derive from any actual conference
- Proceedings (almost) entirely in one subfield: see that subfield
- Proceedings not concentrated in this field: see Source Index  
MR uses 03–06

**D98 Textbooks, surveys**

MR uses 03–01 and 03–02

**D99 None of the above or uncertain, but in this section****E SET THEORY****E05 Combinatorial set theory**

- + Partition relations, ideals, ultrafilters, trees named after people; MR uses also 04A20
- Finite combinatorics (excluded from the  $\Omega$ -Bibliography); MR uses 05Xn

**E07 Relations and orderings**

- + Relation algebras: see also G15; MR uses G15
- Theories about ordering: see C65  
MR uses E20, 04A05, 04A20, or 06An

**E10 Ordinal and cardinal numbers**

- + Cardinal algebras, ordinal algebras
- + Dedekind finite cardinals
- Cardinal exponentiation and the (generalized) continuum hypothesis:  
see E50; MR sometimes uses 04A10
- Combinatorial aspects of cardinals and ordinals: see E05
- Large cardinals: see E55

**E15 Descriptive set theory**

- + Definability properties of sets (in the real line or similar spaces)
  - + Effective descriptive set theory
  - General topology, measure theory, etc.: see E75
- MR sometimes uses 04A15  
See also D55

**E20 Other classical set theory**

- + Set algebra

**E25 Axiom of choice and related propositions**

- + Weak axioms of choice and their negations
- MR sometimes uses 04A25

**E30 Axiomatics of classical set theory and its fragments**

- + Zermelo-Fraenkel set theory and minor variants
- + Gödel-Bernays set theory (also in E70)
- Morse-Kelley set theory (a second order theory: see E70)
- New Foundations, etc.: see E70

**E35 Consistency and independence results**

- + Forcing used to prove consistency

**E40 Other aspects of forcing and Boolean-valued models**

- + Forcing in generalized recursion theory: see also D60 and D65
- Model theoretic forcing: see C25

**E45 Constructibility, ordinal definability and related notions**

- + Other inner models, e.g. the core model

**E47 Other notions of set-theoretic definability**

- + Lévy hierarchy, indescribability
- Formalization of branches of mathematics within set theory

**E50 Continuum hypothesis and Martin's axiom**

- + Cardinal exponentiation
  - + Variants of Martin's axiom
- MR sometimes uses 04A30

**E55 Large cardinals**

- + Effective (denumerable) analogues of large cardinals
- + Weakly inaccessible and larger cardinals
- Axioms of infinity provable in ZFC
- Large proof-theoretic ordinals: see F15

**E60 Determinacy and related principles which contradict the axiom of choice**

- + Infinite exponent partition relations
- + Projective determinacy, definable determinacy
- + Other uses of infinite games in set theory and logic
- Applications of games outside set theory and logic
- Weak axioms that merely contradict choice

**E65 Other hypotheses and axioms**

- + Reflection principles
- + Combinatorial principles

**E70 Nonclassical and second-order set theories**

- + Leśniewski's Ontology and Mereology; MR uses B60
- + Nonstandard theories, e.g. New Foundations, Ackermann
- + Set theories formulated in non-classical logic
- + Theory of real classes (Morse-Kelley, and Gödel-Bernays set theory); MR uses E30

**E72 Fuzzy sets****E75 Applications**

- + Independence from set theory of mathematical propositions (also in E35)
- + Results in other branches of mathematics obtained by set theoretic methods
- Set-theoretical foundations of mathematics: see B28 and B30

**E96 Collected works**

- + Selected works
  - Collections (almost) entirely in one subfield: see that subfield
- MR uses 01A75, 03–03, and 03–06

**E97 Proceedings**

- + Collections of papers by various authors, even if they do not derive from any actual conference
  - Proceedings (almost) entirely in one subfield: see that subfield
  - Proceedings not concentrated in this field: see Source Index
- MR uses 03–06

**E98 Textbooks, surveys**

MR uses 03–01 and 03–02

**E99 None of the above or uncertain, but in this section****F PROOF THEORY AND CONSTRUCTIVE MATHEMATICS****F05 Cut elimination and normal form theorems**

- + Hilbert's epsilon symbol
- Cut elimination and normal form theorems for modal systems: see B45

**F07 Structure of proofs**

- Proof schemas used rather than studied: see B10, C07, etc.

**F10 Functionals in proof theory**

- Typed lambda-calculus: see B40

**F15 Recursive ordinals and ordinal notations**

- + Ordinal notations even if not proof theory
- + Transfinite progressions of theories (Turing, Feferman; also in F30)

**F20 Complexity of proofs**

- Complexity of non-proof-theoretic procedures: see D15
- Purely qualitative (rather than quantitative) properties of proofs: see F07

**F25 Relative consistency and interpretations**

- Consistency of systems of arithmetic: see F30 and F35
- Set theoretic consistency results: see E35

**F30 First-order arithmetic and fragments**

- + Gödel incompleteness theorems
- + Metamathematics of intuitionistic arithmetic
- + Provability logic; MR uses also B45 and F40
- + Provably recursive functions; MR uses also D20
- + Recursive arithmetic
- Model theory of arithmetic: see C62 and H15

**F35 Second- and higher-order arithmetic and fragments**

- + Metamathematics of intuitionistic analysis
- + Proof theory of systems of type theory
- + Proof theory of generalized inductive definitions
- Model theory : see C62

**F40 Gödel numberings in proof theory**

- + Any use of Gödel numbering of syntax
- Gödel numberings in recursion theory: see D20 and D45

**F50 Metamathematics of constructive systems**

- + Intuitionistic logic and subsystems; MR uses also B20
- + Model theoretic methods applied to constructive systems
- + Realizability
- Metamathematics of predicative systems: see F65

**F55 Constructive and intuitionistic mathematics**

- + Bishop school of constructivism
- Metamathematics: see F50

**F60 Constructive recursive analysis**

- + Classical recursive analysis
- + Soviet school of constructivism
- Metamathematics: see F50

**F65 Other constructive mathematics**

- + Constructive trends not covered by F55 or F60
- + Predicative mathematics
- + Metamathematics of predicative systems
- Other metamathematics: see F50

**F96 Collected works**

- + Selected works
- Collections (almost) entirely in one subfield: see that subfield  
MR uses 01A75, 03–03, and 03–06

**F97 Proceedings**

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- Proceedings (almost) entirely in one subfield: see that subfield
- Proceedings not concentrated in this field: see Source Index  
MR uses 03–06

**F98 Textbooks, surveys**

MR uses 03–01 and 03–02

**F99 None of the above or uncertain, but in this section**

## G ALGEBRAIC LOGIC

### G05 Boolean algebras

- + Boolean rings, etc.
- Boolean functions : see B05; MR puts Boolean functions in G05, 06E30, and sometimes 94C10
- Pseudo-Boolean algebras : see G10

### G10 Lattices and related structures

- + Heyting algebras; MR uses also 06D20
- + Semilattices, continuous lattices; MR uses 06B35
- Studies of “The lattice of...” where the lattice structure is not the main point

### G12 Quantum logic

See also B51

### G15 Cylindric and polyadic algebras, relation algebras

### G20 Łukasiewicz and Post algebras

- + Lattices (or weaker structures) corresponding to many-valued logic

### G25 Other algebras related to logic

- + Boolean algebras with provability and other operators
- + Implicative algebras, BCK algebras, etc.

### G30 Categorical logic, topoi

- + Almost any connection between categories and logic, e.g. categories of models, logical foundations of category theory
- Pure category theory (Excluded from the  $\Omega$ -Bibliography); MR uses 18Xn

### G96 Collected works

- + Selected works
- Collections (almost) entirely in one subfield: see that subfield  
MR uses 01A75, 03–03, and 03–06

### G97 Proceedings

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- Proceedings (almost) entirely in one subfield: see that subfield
- Proceedings not concentrated in this field: see Source Index  
MR uses 03–06

### G98 Textbooks, surveys

MR uses 03–01 and 03–02

### G99 None of the above or uncertain, but in this section

## H NONSTANDARD MODELS

### H05 Infinitesimal analysis in pure mathematics

### H10 Other applications of infinitesimal analysis

- + Economics, physics, etc.

### H15 Nonstandard models of arithmetic

- + Work emphasizing nonstandard methods
- Work emphasizing model theory : see C62

**H20 Other nonstandard models**

**H96 Collected works**

- + Selected works
  - Collections (almost) entirely in one subfield: see that subfield
- MR uses 01A75, 03-03, and 03-06

**H97 Proceedings**

- + Collections of papers by various authors, even if they do not derive from any actual conference
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  - Proceedings not concentrated in this field: see Source Index
- MR uses 03-06

**H98 Textbooks, surveys**

MR uses 03-01 and 03-02

**H99 None of the above or uncertain, but in this section**

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- VISSEUR, A. *Numerations,  $\lambda$ -calculus & arithmetic* ♦ B40 D45 F30 ♦
- WADSWORTH, C.P. *Some unusual lambda-calculus numeral systems* ♦ B40 ♦
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- AIBA, A. & NAKANISHI, M. *General calculator based on lambda conversion* ♦ B40 ♦
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- BARENDRÉGT, H.P. *The lambda calculus, its syntax and semantics* ♦ B40 B98 ♦
- BEN-YELLES, C.B. *G-stratification is equivalent to F-stratification* ♦ B40 ♦
- BERRE LE, F. & NOLIN, L. *L'existence d'espaces informatiques (English summary)* ♦ B40 ♦
- BERRY, GERARD *On the definition of lambda-calculus models* ♦ B40 ♦
- BOEHM, C. *Logic and computers* ♦ B40 ♦
- BUNDER, M.W. *Predicate calculus and naive set theory in pure combinatory logic* ♦ B10 B40 E70 ♦
- BUNDER, M.W. *Simpler axioms for BCK algebras and the connection between the axioms and the combinators B, C and K* ♦ B40 G25 ♦
- COPPO, M. & DEZANI-CIANCAGLINI, M. & VENNERI, B.M. *Functional characters of solvable terms* ♦ B40 ♦
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- DOMRACHEV, V.N. *An example of proof of the correctness of a program, using its representation by a  $\lambda$ -term (Russian)* ♦ B40 B75 ♦
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- KOZEN, D. *Semantics of probabilistic programs* ♦ B40 B75 ♦
- KUZICHEV, A.S. *Arithmetic theories constructed on the basis of  $\lambda$ -conversion (Russian)* ♦ B40 F30 ♦
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- OBTULOWICZ, A. & WIWEGER, A. *Functional interpretation of  $\lambda$ -terms* ◊ B40 ◊
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- TAKAHASHI, MOTO-O** *A proof of cut-elimination in simple type theory* ◇ F05 F35 ◇
- TAKEUTI, G.** *Consistency proofs of subsystems of classical analysis* ◇ F05 F15 F35 ◇
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- FEFERMAN, S.** *Lectures on proof theory*  
 ◇ C40 C70 C75 F05 F15 F98 ◇
- HANATANI, Y.** *Demonstration de l' $\omega$ -non-contradiction de l'arithmetique* ◇ F05 F15 F30 F50 ◇
- KINO, A.** *On provably recursive functions and ordinal recursive functions* ◇ D20 F05 F30 F35 ◇

- MALMNAES, P.E. & PRAWITZ, D. *A survey of some connections between classical, intuitionistic and minimal logic* ◊ B55 F05 F25 F50 ◊  
 PRAWITZ, D. *Hauptsatz for higher order logic*  
 ◊ B15 F05 F35 ◊  
 SCHUETTE, K. *Neuere Ergebnisse der Beweistheorie*  
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 SMULLYAN, R.M. *Analytic cut* ◊ B10 F05 F07 ◊  
 TAIT, W.W. *Normal derivability in classical logic*  
 ◊ C75 F05 F15 F30 F35 F60 ◊  
 TAKAHASHI, MOTO-O *On simple type theory (Japanese)*  
 ◊ B15 F05 F35 ◊  
 TAKAHASHI, MOTO-O *Simple type theory of Gentzen style with the inference of extensionality* ◊ F05 F35 ◊  
 TAKEUTI, G. *The  $\Pi_1^1$ -comprehension schema and  $\omega$ -rules*  
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- BIBEL, W. *Schnittlelimination in einem Teilsystem der einfachen Typenlogik* ◊ B15 F05 F15 F35 ◊  
 GENTZEN, G. *The collected papers of Gerhard Gentzen*  
 ◊ B96 F05 F07 F30 F50 F96 ◊  
 HAILPERIN, T. *A form of Herbrand's theorem*  
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 LEISENRING, A.C. *Mathematical logic and Hilbert's  $\varepsilon$ -symbol* ◊ B10 E25 F05 F98 ◊  
 OREVKOV, V.P. *On nonlengthening applications of equality rules (Russian)* ◊ B25 B35 F05 F07 ◊  
 PLIUSKEVICIENE, A. *Elimination of cut type rules in axiomatic theories with equality (Russian)* ◊ F05 ◊  
 SCARPELLINI, B. *Some applications of Gentzen's second consistency proof* ◊ F05 F30 F35 F50 ◊  
 SZABO, M.E. *Introduction* ◊ A10 F05 F30 F98 ◊  
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 OHYA, T. *On recursive restriction of proofs in a system with constructive infinitely long expressions* ◊ F05 F35 ◊  
 PRAWITZ, D. *Some results for intuitionistic logic with second order quantification rules* ◊ F05 F35 F50 ◊  
 SCARPELLINI, B. *On cut elimination in intuitionistic systems of analysis* ◊ F05 F35 F50 ◊  
 TAIT, W.W. *Applications of the cut elimination theorem to some subsystems of classical analysis* ◊ F05 F35 ◊  
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 YASUGI, M. *Cut elimination theorem for second order arithmetic with the  $\Pi_1^1$  comprehension axiom and the  $\omega$ -rule* ◊ F05 F35 ◊

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 ◊ B15 F05 F35 ◊  
 CARSTENGERDES, W. *Mehrsortige logische Systeme mit unendlich langen Formeln I, II* ◊ C40 C75 F05 ◊

- CAVINESS, B.F. & POLLACK, P.L. & RUBALD, C.M. *An existence lemma for canonical forms in symbolic mathematics* ◊ D25 F05 ◊  
 DREBEN, B. & GOLDFARB, W.D. *Note J*  
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 GIRARD, J.-Y. *Une extension de l'interprétation de Gödel à l'analyse et son application à l'élimination des coupures dans l'analyse et la théorie des types*  
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 ◊ F05 F35 F50 ◊  
 MINTS, G.E. *Exact estimation of the provability of transfinite induction in the initial segments of arithmetic (Russian) (English summary)* ◊ F05 F15 F30 ◊  
 PLIUSKEVICIENE, A. *Elimination of cut-type rules from the Robinson and Presburger axiomatic systems (Russian)*  
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 PRAWITZ, D. *Ideas and results in proof theory*  
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 SANCHIS, L.E. *A generalization of the Gentzen Hauptsatz*  
 ◊ B10 F05 ◊  
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 SATINDER, P.K. *Completeness and cut-elimination in constructive  $\omega$ -rule arithmetics* ◊ F05 F30 ◊  
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 TAIT, W.W. *Normal form theorem for bar recursive functions of finite type* ◊ F05 F10 F35 F50 ◊  
 TAKAHASHI, MOTO-O *Cut-elimination theorem and Brouwerian-valued models for intuitionistic type theory*  
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 BOWEN, K.A. *A note on cut elimination and completeness in first order theories* ◊ B10 C07 F05 ◊  
 JERVELL, H.R. *Herbrand and Skolem theorems in infinitary languages* ◊ C75 F05 ◊  
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 KELLY, G.M. *A cut-elimination theorem* ◊ F05 G30 ◊  
 MARTIN-LOEF, P. *Infinite terms and a system of natural deduction* ◊ C75 F05 F50 ◊  
 MOTOHASHI, N. *Interpolation theorem and characterization theorem* ◊ C40 C75 F05 ◊  
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 NEBRES, B.F. *Herbrand uniformity theorems for infinitary languages* ◊ C40 C70 C75 F05 ◊

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- PLIUSKEVICIENE, A. *A sequential variant of R. M. Robinson's arithmetic system not containing cut rules (Russian)* ◊ F05 F30 ◊
- SMIRNOV, V.A. *Formal derivation and logical calculi (Russian)* ◊ B98 C07 C40 C98 F05 F07 F98 ◊
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- JERVELL, H.R. *Skolem and Herbrand theorems in first order logic* ◊ B10 C07 F05 ◊
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- PRAWITZ, D. *Towards a foundation of a general proof theory* ◊ A05 F05 F07 ◊
- SCANLON, T.M. *The consistency of number theory via Herbrand's theorem* ◊ B10 F05 F30 ◊
- SELDIN, J.P. *Equality in  $\mathfrak{F}_{21}$*  ◊ B40 F05 ◊
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- TROELSTRA, A.S. (ED.) *Metamathematical investigation of intuitionistic arithmetic and analysis*  
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- TROELSTRA, A.S. *Models and computability*  
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- BOWEN, K.A. *Systems of transfinite type theory based on intuitionistic and modal logics*  
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- GENTZEN, G. *Der erste Widerspruchsfreisheitsbeweis fuer die klassische Zahlentheorie* ◊ F05 F15 F25 F30 ◊
- GOLDFARB, W.D. & SCANLON, T.M. *The  $\omega$ -consistency of number theory via Herbrand's theorem*  
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- KREISEL, G. & TAKEUTI, G. *Formally self-referential propositions for cut free classical analysis and related systems* ◊ F05 F35 ◊
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- NISHIMURA, T. *Gentzen-style formulation of systems of set-calculus* ◊ C75 E30 F05 ◊
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- PRAWITZ, D. *On the idea of a general proof theory*  
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- RAGGIO, A.R. *A simple proof of Herbrand's theorem*  
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- SZABO, M.E. *A categorical equivalence of proofs*  
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- UMEZAWA, T. *Disjunction property in higher order number theory with intuitionistic rules of inference I*  
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- YASUHARA, M. *Completeness of cut-free type theories*  
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- ZUCKER, J.I. *The correspondence between cut-elimination and normalization I,II* ◊ F05 F30 F50 ◊

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- BUCHHOLZ, W. *Ein ausgezeichnetes Modell fuer die intuitionistische Typenlogik* ◊ B15 F05 F35 F50 ◊
- CELLUCCI, C. *Teoremi di normalizzazione per alcuni sistemi funzionali* ◊ F05 F10 F15 F30 ◊
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- FELSCHER, W. *Kombinatorische Konstruktionen mit Beweisen und Schnittelimination* ◊ F05 F20 ◊
- FLANNAGAN, T.B. *On an extension of Hilbert's second  $\epsilon$ -theorem* ◊ F05 ◊
- KREISEL, G. *Observations on a recent generalization of completeness theorems due to Schuette*  
◊ A05 C07 C57 F05 F20 F35 F50 ◊
- KREISEL, G. & MINTS, G.E. & SIMPSON, S.G. *The use of abstract language in elementary metamathematics: Some pedagogic examples*  
◊ A05 C07 C57 C75 F05 F07 F20 F50 ◊
- LEIVANT, D. *Strong normalization for arithmetic (Variations on a theme of Prawitz.)*  
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- MANN, C.R. *The connection between equivalence of proofs and Cartesian closed categories* ♦ F05 F07 G30 ♦
- MARTIN-LOEF, P. *An intuitionistic theory of types: predicative part* ♦ F05 F35 F50 ♦
- MEZHUMBEKOVA, V.F. *Cut-elimination in a system of negationless arithmetic (Russian) (English summary)* ♦ B20 F05 F30 F50 ♦
- MINTS, G.E. *Finite investigations of transfinite derivations (Russian) (English summary)* ♦ F05 F07 F10 F20 F30 F35 F50 ♦
- MINTS, G.E. *Proof theory (arithmetic and analysis) (Russian)* ♦ F05 F10 F30 F35 F50 F98 ♦
- NISHIMURA, T. *Gentzen-type formal system representing properties of functions* ♦ E30 F05 ♦
- PRAWITZ, D. *Comments on Gentzen-type procedures and the classical notion of truth* ♦ B10 F05 F07 F30 ♦
- ROGAVA, M.G. *Cut elimination in SCI* ♦ B60 F05 ♦
- SELDIN, J.P. *Equality in  $\mathfrak{F}_{22}$*  ♦ B40 F05 ♦
- SHIRAI, K. *Intuitionistic version of the Los-Tarski-Robinson theorem* ♦ C40 F05 F50 ♦
- TAIT, W.W. *A realizability interpretation of the theory of species* ♦ D65 F05 F35 F50 ♦
- TAKEUTI, G. *Proof theory* ♦ F05 F07 F30 F35 F98 ♦
- TOLEDO, S. *Tableau systems for first order number theory and certain higher order theories* ♦ F05 F07 F30 F35 F98 ♦
- UMEZAWA, T. *Disjunction property in higher order number theory with intuitionistic rules of inference II* ♦ F05 F35 F50 ♦

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- ARZARELLO, F. *Alcune questioni riguardanti l'aritmetica e i linguaggi infinitari (English summary)* ♦ C75 F05 ♦
- BOWEN, K.A. *An Herbrand theorem for prenex formulas of LJ* ♦ F05 F50 ♦
- DRAGALIN, A.G. *Cut-elimination in the theory of definable sets of natural numbers (Russian)* ♦ F05 F35 F65 ♦
- GIRARD, J.-Y. *Three-valued logic and cut-elimination: The actual meaning of Takeuti's conjecture* ♦ B50 C85 C90 F05 F35 F50 ♦
- KREISEL, G. *Wie die Beweistheorie zu ihren Ordinalzahlen kam und kommt* ♦ F05 F15 F30 F35 ♦
- KUZICHEV, A.S. *Combinatorially complete systems with operators  $\exists, F, Q, \Pi, \exists, P, \neg, \&, \vee, \equiv$  (Russian) (English summary)* ♦ B40 F05 ♦
- LOPEZ-ESCOBAR, E.G.K. *On an extremely restricted  $\omega$ -rule* ♦ F05 F15 F30 F50 ♦
- MEYER, R.K. *Ackermann, Takeuti, und Schnitt:  $\gamma$  for higher-order relevant logic* ♦ B46 F05 F35 ♦
- MINTS, G.E. *What can be done with PRA (Russian) (English summary)* ♦ F05 F30 F35 ♦
- NISHIMURA, T. *On cut-elimination in simple type theory (on the work of Moto-o Takahashi, winner of the third Mathematical Society Prize) (Japanese)* ♦ F05 F35 ♦
- POTTINGER, G. *A new way of normalizing intuitionist propositional logic* ♦ B40 F05 F50 ♦
- SELDIN, J.P. *Recent advances in Curry's program* ♦ B40 F05 ♦
- SLONNEGER, K. *A complete infinitary logic* ♦ C75 F05 ♦

- SZABO, M.E. *Quantifier complete categories* ♦ F05 F50 G10 G30 ♦

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- CAGNONI, D. *A note on the elimination rules* ♦ F05 F07 ♦
- CELLUCCI, C. *Proprieta di uniformita e 1-coerenza dell'aritmetica del primo ordine* ♦ F05 F30 ♦
- DRAGALIN, A.G. *Cut-elimination in the theory of definable sets of natural numbers (Russian)* ♦ F05 F35 F65 ♦
- HAYASHI, S. *On derived rules of intuitionistic second order arithmetic* ♦ F05 F35 F50 ♦
- HAYASHI, S. *Some derived rules of intuitionistic second order arithmetic* ♦ F05 F35 F50 ♦
- HINATA, S. *A normalization theorem in formal theories of natural numbers* ♦ F05 F30 F50 ♦
- JUKNA, S. *On cut-elimination in Hoare's system (Russian)* ♦ B75 F05 F50 ♦
- KREISEL, G. *Some uses of proof theory for finding computer programs* ♦ B75 F05 F20 ♦
- KUZICHEV, A.S. *A system of  $\lambda$ -conversion with logical operators and an equality operator (Russian)* ♦ B10 B40 F05 ♦
- KUZICHEV, A.S. *Cut theorem for R-theories in combinatorially complete systems (Russian) (English summary)* ♦ B40 F05 ♦
- KUZICHEV, A.S. *Formal arithmetic in the  $\mathfrak{X}$ -system of  $\lambda$ -conversion (Russian)* ♦ B40 F05 F30 ♦
- MASLOV, S.YU. & NORGELOA, S.A. *Herbrand strategies and the "greater deducibility" relation (Russian) (English summary)* ♦ B25 B35 F05 ♦
- MINTS, G.E. *Closed categories and the theory of proofs (Russian)* ♦ F05 F07 G30 ♦
- MINTS, G.E. *Gentzen's formal system (Russian)* ♦ F05 F07 ♦
- POTTINGER, G. *Normalization as a homomorphic image of cut-elimination* ♦ F05 F07 F50 ♦
- SCHWICHTENBERG, H. *Proof theory: Some applications of cut-elimination* ♦ F05 F10 F15 F30 F35 F98 ♦
- SELDIN, J.P. *The Q-consistency of  $F_{22}$*  ♦ B40 F05 ♦
- STATMAN, R. *Herbrand's theorem and Gentzen's notion of a direct proof* ♦ D15 F05 F07 F20 ♦
- WESSEL, L. *Cut elimination in a Gentzen-style  $\varepsilon$ -calculus without identity* ♦ F05 ♦

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- CELLUCCI, C. *Teoria della dimostrazione. Normalizzazioni e assegnazioni di numeri ordinali* ♦ F05 F07 F15 F30 F98 ♦
- HABERTHUE, R. *Choice sequences and reduction processes* ♦ F05 F35 F50 ♦
- HAYASHI, S. *Existence property by means of a normalization method* ♦ F05 F50 ♦
- JERVELL, H.R. *Constructive universes. I* ♦ F05 F15 F35 F50 ♦
- KUZICHEV, A.S. *A theorem on the consistency of formal arithmetic (Russian)* ♦ B40 F05 F30 ♦
- KUZICHEV, A.S. *Formal arithmetic in combinatorially complete systems I,II (Russian) (English summary)* ♦ B40 F05 F30 ♦

- KUZICHEV, A.S. *The theorem on the midsequent in the  $\mathfrak{A}$ -system of  $\lambda$ -conversion (Russian)* ◊ B40 F05 ◊
- POHLERS, W. *Ordinals connected with formal theories for transfinitely iterated inductive definitions* ◊ F05 F15 F35 ◊
- RICHTER, M.M. *Logikkalkuele* ◊ B35 B98 F05 G10 ◊
- SELDIN, J.P. *A sequent calculus formulation of type assignment with equality rules for the  $\lambda\beta$ -calculus* ◊ B40 F05 ◊
- STATMAN, R. *Bounds for proof-search and speed-up in the predicate calculus* ◊ B35 F05 F20 ◊
- SZABO, M.E. *Algebra of proofs* ◊ F05 F07 F50 F98 G30 ◊
- TAKEUTI, G. *Two applications of logic to mathematics* ◊ B98 C90 E40 E75 F05 F30 F35 G12 ◊
- ZASLAVSKIJ, I.D. *Symmetric constructive logic (Russian)* ◊ B55 F05 F30 F50 ◊
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- BIBEL, W. *Tautology testing with a generalized matrix reduction method* ◊ B35 D15 F05 ◊
- CAPORASO, S. *Consistency proof without transfinite induction for a formal system for Turing machines* ◊ D10 F05 ◊
- DALEN VAN, D. & STATMAN, R. *Equality in the presence of apartness* ◊ F05 F50 ◊
- DRAGALIN, A.G. *Mathematical intuitionism. Introduction to proof theory (Russian)* ◊ F05 F30 F35 F50 F98 ◊
- DRAGALIN, A.G. *Strong normalization theorem for derivations in Gentzen's sequent calculus (Russian)* ◊ F05 F50 ◊
- GRISHIN, V.N. *Herbrand's theorem for the logic without contraction rule (Russian)* ◊ F05 ◊
- HANAZAWA, M. *An interpretation of Skolem's paradox in the predicate calculus with  $\epsilon$ -symbol* ◊ B10 C07 F05 F25 ◊
- KREISEL, G. *Some facts from the theory of proofs and some fictions from general proof theory* ◊ A05 F05 F15 ◊
- KUR'EROV, YU.N. *Normal form of mutual-absorption tactics (Russian)* ◊ B35 F05 ◊
- KUZICHEV, A.S. *Formale Arithmetik in einem System der  $\lambda$ -Konversion mit logischen Operatoren (Russisch)* ◊ B40 F05 F30 ◊
- LEIVANT, D. *Absoluteness of intuitionistic logic* ◊ F05 F30 F50 ◊
- LEIVANT, D. *Assumption classes in natural deduction* ◊ F05 F07 ◊
- MINTS, G.E. *A new reduction sequence for arithmetic (Russian) (English summary)* ◊ F05 F15 F30 ◊
- MINTS, G.E. *A primitive recursive bound of strong normalization for predicate calculus (Russian) (English summary)* ◊ F05 ◊
- MINTS, G.E. *Normalisation of natural deduction and effectiveness of classical existence (Russian)* ◊ F05 F10 F30 F35 ◊
- O'DONNELL, M.J. *A practical programming theorem which is independent of Peano arithmetic* ◊ B40 B75 D20 F05 F30 ◊
- OREVKOV, V.P. *Lower bounds for lengthening of proofs after cut-elimination (Russian) (English summary)* ◊ F05 F07 F20 ◊
- ROGAVA, M.G. *A new decision procedure for SCI (Russian)* ◊ B25 B60 F05 ◊
- SCHWICHTERNBERG, H. *Logic and the axiom of choice* ◊ E25 F05 F50 ◊
- SEREBRYANNIKOV, O.F. *Normal forms of logical proofs (Russian)* ◊ F05 ◊
- SMULLYAN, R.M. *Trees and ball games* ◊ E05 F05 ◊
- STATMAN, R. *Lower bounds on Herbrand's theorem* ◊ F05 F07 F20 ◊
- UMEZAWA, T. *A method for cut elimination in intuitionistic predicate logic and classical predicate logic* ◊ B10 F05 F50 ◊
- VENNERI, B.M. *Arbres de deduction naturelle et programmation en LCF: possibilités de "normalisation"* ◊ F05 ◊
- WHITE, R.B. *The consistency of the axiom of comprehension in the infinite-valued predicate logic of Lukasiewicz* ◊ B50 E35 E70 F05 ◊
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- DRAGALIN, A.G. *Higher-order predicate logic in the form of calculus realization (Russian)* ◊ B15 F05 F35 F50 ◊
- GANDY, R.O. *An early proof of normalization by A. M. Turing* ◊ B40 F05 ◊
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- HOWARD, W.A. *The formulae-as-types notion of construction* ◊ B40 F05 F10 F50 ◊
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- KODERA, H. *Remark on classical logic and intuitionistic logic* ◊ B20 F05 F50 ◊
- KUZICHEV, A.A. & KUZICHEV, A.S. *On the embedding of formal arithmetic in combinatorially complete systems (Russian)* ◊ B40 F05 F30 ◊
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- MINTS, G.E. *Cartesian closed categories and proof theory (Russian)* ◊ F05 F07 G30 ◊
- MINTS, G.E. *Category theory and proof theory (Russian)* ◊ F05 F07 G30 ◊
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- TOSI, P. *Normal derivability and first-order arithmetic* ◊ F05 F30 F50 ◊
- UMEZAWA, T. *Cut elimination in intuitionistic and some intermediate predicate logics* ◊ B55 F05 F50 ◊

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- GIRARD, J.-Y. & PAEPPINGHAUS, P. *A result on  
implications of  $\Sigma_1$ -sentences and its application to  
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- KOGAN-BERNSHTEIJN, L.M. *Simplification of Gentzen's  
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- LEVANT, D. *On the proof theory of the modal logic for  
arithmetic provability* ◊ B45 F05 F30 ◊
- LYALETSKIJ, A.V. *A variant of Herbrand's theorem for  
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- NEGRI, M. *Constructive sequent reduction in Gentzen's  
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◊ A10 F05 F30 ◊
- POHLERS, W. *Cut-elimination for impredicative infinitary  
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◊ C75 F05 F15 F35 ◊
- POHLERS, W. *Proof-theoretical analysis of  $ID_v$  by the  
method of local predicativity* ◊ F05 F15 F35 F50 ◊
- PRAWITZ, D. *Validity and normalizability of proofs in 1st  
and 2nd order classical and intuitionistic logic*  
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- SCHULTE-MOENTING, J. *Cut elimination and word  
problems for varieties of lattices* ◊ F05 G10 ◊
- SIEG, W. *Inductive definitions, constructive ordinals, and  
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- SUNDHOLM, G. *Hacking's logic* ◊ F05 F55 ◊
- TANG, TONGGAO *A note on Herbrand's theorem (Chinese)  
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- TOSI, P. *Forme normali* ◊ F05 F30 ◊
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- KREISEL, G. *Finiteness theorems in arithmetic: an  
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(Russian)* ◊ B40 F05 F30 ◊

- LOPEZ-ESCOBAR, E.G.K. *Further applications of  
ultra-conservative  $\omega$ -rules* ◊ F05 F30 ◊
- MAC LANE, S. *Why commutative diagrams coincide with  
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- MINTS, G.E. *A simplified consistency proof for arithmetic  
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◊ F05 F30 ◊
- MOTOHASHI, N.  *$\varepsilon$ -theorems and elimination theorems of  
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- SAMBIN, G. & VALENTINI, S. *The modal logic of provability:  
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- HAGIYA, M. *A proof description language and its reduction  
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- KUZICHEV, A.S. *Arithmetically consistent  $\lambda$ -theories of  
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- GOODMAN, NICOLAS D. *Epistemic arithmetic is a  
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- OREVKOV, V.P. *Upper bounds for lengthening of proofs  
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◊ F05 F07 F20 ◊
- PEARCE, J. *A constructive consistency proof of a fragment  
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- PETKOV, P.P. *The uniqueness of syntactical analysis for  
some calculi that are similar to Post's calculus. A  
generalization of the cut elimination theorem for  
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◊ B50 F05 ◊
- POPOV, S.V. *Diagrams of deductions in sequential calculi  
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- UESU, T. *An axiomatization of the apartness fragment of  
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- WOJTYLAK, P. *A proof of Herbrand's theorem*  
     ◊ C10 F05 ◊
- YASHIN, A.D. *Completeness of the intuitionistic predicate calculus with the concept of "bar" (Russian)*  
     ◊ C90 F05 F50 ◊
- 1985**
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     ◊ F05 F35 ◊
- CELLUCCI, C. *Proof theory and complexity*  
     ◊ D15 F05 F20 F98 ◊
- FELSCHER, W. *Dialogues, strategies, and intuitionistic provability* ◊ F05 F07 F50 ◊

- FERBUS, M.-C. *Functorial bounds for cut elimination in  $L_{\beta\omega}$  II* ◊ F05 F35 ◊
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     ◊ F05 F07 ◊
- HAIMAN, M. *Proof theory for linear lattices*  
     ◊ F05 F07 ◊
- PRAWITZ, D. *Normalizations of proofs in set theory*  
     ◊ E30 F05 ◊
- SCHWICHTENBERG, H. *A normal form for natural deductions in a type theory with realizing terms*  
     ◊ F05 F35 F50 ◊
- TAKANO, M. *Completeness of a cut-free calculus with equality and function constants* ◊ F05 ◊

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- 1925**
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- 1928**
- HERBRAND, J. *Sur la theorie de la demonstration* ◊ A05 B10 F07 ◊
- 1930**
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- 1935**
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- 1936**
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- 1948**
- KURODA, S. *On the logic of Aristotle and the logic of Brouwer (Japanese)* ◊ A05 A10 F07 F50 ◊
- 1950**
- ACKERMANN, W. *Widerspruchsfreier Aufbau der Logik I. Typenfreies System ohne tertium non datur* ◊ B15 E70 F07 F25 F65 ◊
- SCHUETTE, K. *Schlussweisen-Kalkuele der Praedikatenlogik* ◊ B10 B25 F05 F07 F50 ◊
- 1952**
- KLEENE, S.C. *Permutability of inferences in Gentzen's calculi LK and LJ* ◊ F05 F07 ◊
- 1955**
- BETH, E.W. *Remarks on natural deduction* ◊ A05 B10 F07 ◊
- SCHROETER, K. *Theorie des logischen Schliessens I* ◊ B10 F07 F50 ◊
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- ISEKI, K. *On the cut operation in Gentzen calculi I* ◊ F05 F07 ◊
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- 1960**
- GUILLAUME, M. *Les tableaux semantiques du calcul des predicats restreint* ◊ B20 F07 F98 ◊
- KURODA, S. *An investigation on the logical structure of mathematics. I. A logical system* ◊ B15 B28 E70 F07 ◊
- KURODA, S. *An investigation on the logical structure of mathematics. III. Fundamental deductions. IV. Compendium for deductions* ◊ B15 B28 E70 F07 ◊
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- SCHUETTE, K. *Aussagenlogische Grundeigenschaften formaler Systeme* ◊ B05 F05 F07 ◊
- 1961**
- FEFERMAN, S. *Arithmetization of metamathematics in a general setting* ◊ D55 F07 F25 F30 F40 ◊
- KREISEL, G. *Ordinal logics and the characterization of informal concepts of proof* ◊ F07 F15 F30 F65 ◊
- 1962**
- ENGELER, E. *Zur Beweistheorie von Sprachen mit unendlich langen Formeln* ◊ C75 F07 ◊
- LAMBEK, J. *On the calculus of syntactic types* ◊ F07 ◊
- OGLESBY, F.C. *Report: an examination of a decision procedure* ◊ B25 F07 ◊
- PRICE, ROBERT *The stroke function in natural deduction* ◊ B05 F07 ◊
- ANDERSON, J.M. & JOHNSTONE JR., H.W. *Natural deduction. The logical basis of axiom systems* ◊ B98 F07 F98 ◊
- BETH, E.W. *Umformung einer abgeschlossenen deduktiven oder semantischen Tafel in eine natuerliche Ableitung auf Grund der derivativen bzw. klassischen Implikationslogik* ◊ B10 F07 ◊
- DOPP, J. *Logiques construites par une methode de deduction naturelle* ◊ B98 F05 F07 F50 F98 ◊
- LEBLANC, H. *Etudes sur les regles d'inference dites regles de Gentzen I* ◊ F07 ◊
- LEBLANC, H. *Structural rules of inference* ◊ F07 ◊
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- AANDERAA, S.O. & ANDREWS, P.B. & DREBEN, B. *False lemmas in Herbrand* ◊ F05 F07 ◊  
 BELNAP JR., N.D. & THOMASON, R.H. *A rule-completeness theorem* ◊ B22 F07 F50 ◊  
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 LEBLANC, H. *Etudes sur les règles d'inference dites règles de Gentzen II* ◊ F07 ◊  
 MATULIS, V.A. *Variants of the classical predicate calculus with a single deduction tree (Russian)* ◊ B10 F07 ◊  
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 LEBLANC, H. *Marginalia on Gentzen's Sequenzen-Kalkule* ◊ B10 F07 F50 ◊  
 PARRY, W.T. *Comments on a variant form of natural deduction* ◊ B10 F07 ◊  
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 DENTON JR., J.S. & DREBEN, B. *A supplement to Herbrand* ◊ F05 F07 ◊  
 FITCH, F.B. *Natural deduction rules for obligation* ◊ B45 F07 ◊  
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 MINTS, G.E. *Variation in the deduction search tactics in sequential calculi (Russian)* ◊ B35 F07 F50 ◊  
 NIELAND, J.J.F. *Beth's tableau-method* ◊ B05 B25 B50 F07 ◊  
 REICHACH, J. *On generalizations of the satisfiability definition and Gentzen-Jaskowski's sequent proof rules* ◊ B10 F07 ◊

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 GUPTA, H.N. *On the rule of existential specification in systems of natural deduction* ◊ A05 B10 F07 ◊  
 LAMBEK, J. *Deductive systems and categories I: Syntactic calculi and residuated categories* ◊ F07 G30 ◊  
 LEBLANC, H. *Subformula theorems for N-sequents* ◊ F07 F50 ◊  
 LIFSHITZ, V. *A specialization of the form of deduction in the predicate calculus with equality and functional symbols I (Russian)* ◊ F07 ◊  
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- CORCORAN, J. & WEAVER, G.E. *Logical consequences in modal logic: natural deduction in S5* ◊ B45 F07 ◊  
 GENTZEN, G. *The collected papers of Gerhard Gentzen* ◊ B96 F05 F07 F30 F50 F96 ◊  
 HAILPERIN, T. *A form of Herbrand's theorem* ◊ B10 F05 F07 ◊  
 LAMBEK, J. *Deductive systems and categories II. Standard constructions and closed categories* ◊ F07 G30 ◊  
 ONO, K. *On a method of describing formal deductions convenient for theoretical purposes* ◊ F07 ◊  
 OREVKOV, V.P. *On nonlengthening applications of equality rules (Russian)* ◊ B25 B35 F05 F07 ◊

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- GREGG, J.R. *Axiomatic quasi-natural deduction* ◊ B10 F07 ◊  
 KLEINBERG, E.M. *Recursion theory and formal deducibility* ◊ D25 F07 F40 ◊  
 SMULLYAN, R.M. *Abstract quantification theory* ◊ B10 C07 F07 ◊

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 DREBEN, B. & GOLDFARB, W.D. *Note J* ◊ B10 F05 F07 ◊  
 DREBEN, B. *Notes E-I* ◊ F05 F07 ◊  
 PARKS, R.Z. & RESCHER, N. *Restricted inference* ◊ B10 F07 ◊  
 PRAWITZ, D. *Ideas and results in proof theory* ◊ F05 F07 F10 F30 F35 F50 F98 ◊  
 ROBITASHVILI, N.G. *A combination of the inverse method and the method of resolution (Russian) (Georgian and English summaries)* ◊ B35 F07 ◊

## 1972

- AFRICK, H. *A proof theoretic proof of Scott's general interpolation theorem* ♦ C40 F07 ♦  
 CHUBARYAN, A.A. & TSEJTIN, G.S. *Certain estimates of the length of logical deductions in classical propositional calculus (Russian) (Armenian summary)*  
 ♦ B05 F07 F20 ♦  
 LEBLANC, H. & SNYDER, D.P. *Duals of Smullyan trees*  
 ♦ B10 F07 ♦  
 LEBLANC, H. & MEYER, R.K. *Matters of separation*  
 ♦ B10 F07 F50 ♦  
 MASLOV, S.YU. *Deduction search in calculi of general type (Russian) (English summary)* ♦ B35 D03 F07 ♦  
 OREVKOV, V.P. *A specialization of the form of deductions in Gentzen calculi and its applications (Russian)*  
 ♦ F05 F07 F50 ♦  
 ROGAVA, M.G. *Sequential variants of applied predicate calculi without structural deductive rules (Russian)*  
 ♦ B10 F07 ♦  
 SLAGLE, J.R. *An approach for finding C-linear complete inference systems* ♦ F07 ♦  
 SMIRNOV, V.A. *Formal derivation and logical calculi (Russian)* ♦ B98 C07 C40 C98 F05 F07 F98 ♦

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 BENNETT, D.W. *An elementary completeness proof for a system of natural deduction* ♦ B10 C07 F07 ♦  
 HINTIKKA, K.J.J. & NIINILUOTO, I. *On the surface semantics of quantificational proof procedures*  
 ♦ B35 C07 F07 ♦  
 JENSEN, D.C. *On local proof restrictions for strong theories*  
 ♦ F07 ♦  
 PRAWITZ, D. *Towards a foundation of a general proof theory* ♦ A05 F05 F07 ♦  
 TALYSHLY, S.M. *The problem of inverse logical operations (Russian)* ♦ F07 ♦

## 1974

- BENTHEM VAN, J.F.A.K. *Semantic tableaus*  
 ♦ B10 C07 F07 ♦  
 GLEASON, G.G. *Normal and skew systems*  
 ♦ B05 F07 ♦  
 GRISHIN, V.N. *A nonstandard logic, and its application to set theory (Russian)* ♦ B60 E70 F07 ♦  
 MASLOV, S.YU. & NORGELOA, S.A. *Cut-type rules for calculi of general type (Russian) (English summary)* ♦ F07 ♦  
 MAYOH, B.H. *Extracting information from logical proofs*  
 ♦ B35 F07 ♦  
 MINTS, G.E. *Gentzen's formal systems (Russian)*  
 ♦ B10 F05 F07 ♦  
 POPOV, S.V. *An equivalence relation and a complete system of schemes of equivalent transformations of deductions in propositional calculus (Russian)* ♦ B05 F07 ♦  
 PRAWITZ, D. *On the idea of a general proof theory*  
 ♦ A05 F05 F07 ♦  
 RAGGIO, A.R. *A simple proof of Herbrand's theorem*  
 ♦ B10 F05 F07 ♦  
 SZABO, M.E. *A categorical equivalence of proofs*  
 ♦ F05 F07 F50 G05 G30 ♦

URQUHART, A.I.F. *Proofs, snakes and ladders*

♦ B22 F07 ♦

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- BIBEL, W. & SCHREIBER, J. *Proof search in a Gentzen-like system of first-order logic* ♦ B35 F07 ♦  
 HENDRY, H.E. *Another system of natural deduction*  
 ♦ B10 F07 ♦  
 KREISEL, G. & MINTS, G.E. & SIMPSON, S.G. *The use of abstract language in elementary metamathematics: Some pedagogic examples*  
 ♦ A05 C07 C57 C75 F05 F07 F20 F50 ♦  
 LYALETSKIJ, A.V. & MALASHONOK, A.I. *A calculus of k-disjuncts with the rule of a latent clash-resolution (Russian)* ♦ B35 F07 ♦  
 LYALETSKIJ, A.V. *A k-disjunct calculus (Russian)*  
 ♦ B35 F07 ♦  
 MANN, C.R. *The connection between equivalence of proofs and Cartesian closed categories* ♦ F05 F07 G30 ♦  
 MINTS, G.E. *Finite investigations of transfinite derivations (Russian) (English summary)*  
 ♦ F05 F07 F10 F20 F30 F35 F50 ♦  
 PRAWITZ, D. *Comments on Gentzen-type procedures and the classical notion of truth* ♦ B10 F05 F07 F30 ♦  
 SCARPELLINI, B. *Bemerkungen zu Regel und Schema*  
 ♦ F07 F30 F50 ♦  
 SZABO, M.E. *Polycategories* ♦ F07 G30 ♦  
 TAKEUTI, G. *Proof theory*  
 ♦ F05 F07 F30 F35 F98 ♦  
 TOLEDO, S. *Tableau systems for first order number theory and certain higher order theories*  
 ♦ F05 F07 F30 F35 F98 ♦  
 XENAKIS, J. *Natural deduction "puzzle"* ♦ A05 F07 ♦

## 1976

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 ♦ C62 D55 E45 F07 F35 ♦  
 CORCORAN, J. *The nature of a correct theory of proof and its value* ♦ A05 F07 ♦  
 CORCORAN, J. *Two theories of proof* ♦ A05 F07 ♦  
 CRABBE, M. *Prelogic of logoi* ♦ B40 F07 G30 ♦  
 DARDZHANIYA, G.K. *On a variant of classical sequent calculus (Russian) (English summary)* ♦ F07 ♦  
 GILBERT, M.A. *A heuristic procedure for natural deduction derivations using reductio ad absurdum* ♦ B35 F07 ♦  
 WASILEWSKA, A. *A sequence formalization for SCI*  
 ♦ B25 F07 ♦  
 WASILEWSKA, A. *On the decidability theorems*  
 ♦ B25 F07 ♦

## 1977

- BENNETT, D.W. *A note on the completeness proof for natural deduction* ♦ B10 C07 F07 ♦  
 CAGNONI, D. *A note on the elimination rules*  
 ♦ F05 F07 ♦  
 CZERMAK, J. *A remark on Gentzen's calculus of sequents*  
 ♦ B20 F07 ♦  
 KREISEL, G. *From foundations to science: Justifying and unwinding proofs* ♦ A05 B35 F07 ♦  
 KREISEL, G. *On the kind of data needed for a theory of proofs* ♦ A05 A10 F07 ♦

- LAMBERT JR., W.M. *Un tipo de solidez para un sistema de deducción natural* ♦ B10 F07 ♦
- MINTS, G.E. *Closed categories and the theory of proofs (Russian)* ♦ F05 F07 G30 ♦
- MINTS, G.E. *Gentzen's formal system (Russian)* ♦ F05 F07 ♦
- MISAWA, T. & YASUDA, Y. *Suslin logics of Gentzen style* ♦ C75 F07 ♦
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 JAEGER, G. *A well ordering proof for Feferman's theory  $T_0$*  ◊ F15 F35 ◊  
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## F20 Complexity of proofs

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     ◊ B20 F20 ◊  
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 JUSTEN, K. *A note on regular resolution* ◊ B35 F20 ◊  
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## F25 Relative consistency and interpretations

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 MOLODSKIJ, V.N. *On interrelations of certain assertions of generality with the induction axiom in Peano's system of axioms (Russian)* ◊ C62 F30 ◊  
 MOSTOWSKI, ANDRZEJ *On models of axiomatic systems*  
   ◊ C62 F25 F30 F35 ◊  
 MOSTOWSKI, ANDRZEJ *Sentences undecidable in formalized arithmetic. An exposition of the theory of Kurt Goedel* ◊ F30 F98 ◊  
 ROBINSON, R.M. *An essentially undecidable axiom system*  
   ◊ D35 F30 ◊  
 SKOLEM, T.A. *Consideraciones sobre los fundamentos de la matematica I* ◊ B98 F30 F50 ◊  
 STENIUS, E. *Das Interpretationsproblem der formalisierten Zahlentheorie und ihre formale Widerspruchsfreiheit*  
   ◊ F30 ◊  
 WANG, HAO *Truth definitions and consistency proofs*  
   ◊ F25 F30 F65 ◊

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- ACKERMANN, W. *Widerspruchsfreier Aufbau einer typenfreien Logik II*  
   ◊ B10 B15 E35 E70 F30 F35 F65 ◊  
 FREUDENTHAL, H. *Zur Geschichte der vollstaendigen Induktion* ◊ A05 A10 F30 ◊  
 GOODSTEIN, R.L. *Permutation in recursive arithmetic*  
   ◊ F30 ◊  
 KREISEL, G. *Note on arithmetic models for consistent formulae of the predicate calculus II*  
   ◊ B10 C57 D45 D55 F30 ◊  
 KREISEL, G. *On a problem of Henkin's* ◊ F30 ◊  
 KREISEL, G. *The diagonal method in formalized arithmetic* ◊ F30 ◊  
 MCNAUGHTON, R. *Some formal relative consistency proofs* ◊ F25 F30 F35 ◊  
 MOSTOWSKI, ANDRZEJ & ROBINSON, R.M. & TARSKI, A. *Undecidability and essential undecidability in arithmetic* ◊ D35 F30 ◊  
 MOSTOWSKI, ANDRZEJ & ROBINSON, R.M. & TARSKI, A. *Undecidable theories* ◊ D35 F25 F30 ◊  
 MYHILL, J.R. *Arithmetic with creative definitions by induction* ◊ F30 ◊  
 QUINE, W.V.O. *On  $\omega$ -inconsistency and a so-called axiom of infinity* ◊ E70 F30 ◊  
 SHANIN, N.A. *On some operations on logico-arithmetical formulae (Russian)* ◊ F30 F50 ◊  
 SKOLEM, T.A. *Consideraciones sobre los fundamentos de la matematica II* ◊ B98 F30 F50 ◊  
 SKOLEM, T.A. *Some considerations concerning recursive arithmetic* ◊ F30 ◊  
 USPENSKIJ, V.A. *The Goedel theorem and the theory of algorithms (Russian)* ◊ D20 D35 F30 ◊  
 USPENSKIJ, V.A. *Theorem of Goedel and theory of algorithms (Russian)* ◊ D20 D25 F30 ◊  
 WANG, HAO *Between number theory and set theory*  
   ◊ B28 E30 F30 ◊  
 WANG, HAO *Certain predicates defined by induction schemata* ◊ D70 F30 F35 ◊  
 WANG, HAO *Quelques notions d'axiomatique*  
   ◊ B25 B30 C07 C35 E30 F30 ◊

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- GENTZEN, G. *Zusammenfassung von mehreren vollstaendigen Induktionen zu einer einzigen*  
   ◊ B28 F30 ◊  
 GOODSTEIN, R.L. *Logic-free formalisations of recursive arithmetic* ◊ F30 F50 ◊  
 GOODSTEIN, R.L. *The recursive irrationality of  $\pi$*   
   ◊ F30 F60 ◊  
 GOODSTEIN, R.L. *The relatively exponential, logarithmic and circular functions in recursive function theory*  
   ◊ D20 F30 F60 ◊  
 HENKIN, L. *A generalization of the notion of  $\omega$ -consistency* ◊ B10 C07 F30 ◊  
 KREISEL, G. *Discussion sur divers themes* ◊ F30 F50 ◊  
 KREISEL, G. *Remark on complete interpretations by models* ◊ B15 F25 F30 ◊  
 LOEB, M.H. *Solution of a problem by Leon Henkin*  
   ◊ F30 ◊

- SHANIN, N.A. *On imbeddings of the classical logico-arithmetical calculus into the constructive logico-arithmetical calculus (Russian)* ♦ F30 F50 ♦
- 1955**
- GOODSTEIN, R.L. *On non-constructive theorems of analysis and the decision problem*  
♦ B25 B28 F30 F60 ♦
- KREISEL, G. & WANG, HAO *Some applications of formalized consistency proofs* ♦ F25 F30 ♦
- LOEB, M.H. *Solution of a problem of Leon Henkin*  
♦ F30 ♦
- ROSE, A. *A Goedel theorem for an infinite-valued erweiterter Aussagenkalkuel* ♦ B50 F30 ♦
- SHANIN, N.A. *On some logical problems of arithmetic (Russian)* ♦ D20 F30 F50 ♦
- SKOLEM, T.A. *Peano's axioms and models of arithmetic*  
♦ B28 C20 C62 F30 H15 ♦
- WANG, HAO *Undecidable sentences generated by semantic paradoxes* ♦ A05 B28 F30 ♦
- 1956**
- GRZEGORCZYK, A. *Some proofs of undecidability of arithmetic* ♦ D35 F30 ♦
- HARROP, R. *On disjunctions and existential statements in intuitionistic systems of logic* ♦ F30 F50 ♦
- O'REY, S. *On  $\omega$ -consistency and related properties*  
♦ C07 F30 ♦
- ROBINSON, R.M. *Arithmetical representation of recursively enumerable sets* ♦ D25 F30 ♦
- SCHUETTE, K. *Ein System des verknuepfenden Schliessens*  
♦ B10 F07 F30 ♦
- SKOLEM, T.A. *A version of the proof of equivalence between complete induction and the uniqueness of primitive recursion* ♦ B28 F30 ♦
- SKOLEM, T.A. *An ordered set of arithmetic functions representing the least  $\varepsilon$ -number* ♦ F15 F30 ♦
- 1957**
- CHURCH, A. *Binary recursive arithmetic* ♦ D20 F30 ♦
- COBHAM, A. *Effectively decidable theories* ♦ B25 F30 ♦
- ESENIN-VOL'PIN, A.S. *Consistency proof of classical arithmetics with the aid of induction to  $\varepsilon_0$  (following Schuette) (Russian)* ♦ F05 F30 ♦
- FRIEDMAN, JOYCE *Some results in Church's restricted recursive arithmetic* ♦ F30 ♦
- GOODSTEIN, R.L. *Recursive number theory. A development of recursive arithmetic in a logic-free equation calculus*  
♦ B28 F30 F50 F60 F98 ♦
- GRZEGORCZYK, A. *Decision problems*  
♦ B25 C10 D35 D98 F30 ♦
- HENKIN, L. *A generalization of the concept of  $\omega$ -completeness* ♦ B10 C07 F30 ♦
- KREISEL, G. *Goedel's interpretation of Heyting's arithmetic* ♦ F10 F30 F50 ♦
- KUZNETSOV, A.V. *Completeness of the axiomatic system of arithmetics with the rules of constructive-infinite induction (Russian)* ♦ F30 ♦
- LADRIERE, J. *Les limitations internes des formalismes. Etude sur la signification du theoreme de Goedel et des theoremes apparentes dans la theorie des fondements des mathematiques* ♦ A05 B98 F30 F98 ♦

- MAEHARA, S. *General recursive functions in the number-theoretic formal system* ♦ D20 F30 ♦
- MAEHARA, S. *Remark on Skolem's theorem concerning the impossibility of characterization of the natural number sequence* ♦ B28 C62 F30 ♦
- MONTAGUE, R. *Non-finite axiomatizability*  
♦ B30 F25 F30 ♦
- OHASHI, K. *On undecidable theorems (Japanese)*  
♦ F30 ♦
- ROBINSON, R.M. *Restricted set-theoretical definitions in arithmetic* ♦ B28 F30 F35 ♦
- SMULLYAN, R.M. *Languages in which self reference is possible* ♦ A05 B10 B28 F30 F40 ♦
- SPECKER, E. *Eine Verschaerfung des Unvollstaendigkeitssatzes der Zahlentheorie (Russian summary)* ♦ F30 ♦
- TAKEUTI, G. *Remark on my paper: On Skolem's theorem*  
♦ C07 F25 F30 ♦
- WANG, HAO *Symbolic representations of calculating machines* ♦ B70 D05 D10 F30 ♦
- WANG, HAO *The axiomatization of arithmetic*  
♦ A05 B28 F30 ♦
- 1958**
- GODDARD, L. *"True" and "provable"* ♦ A05 F30 ♦
- GOEDEL, K. *Ueber eine bisher noch nicht benuetzte Erweiterung des finiten Standpunktes*  
♦ A05 F10 F30 F50 ♦
- GOODSTEIN, R.L. *Models of propositional calculi in recursive arithmetic* ♦ B05 B50 F30 F50 ♦
- GRZEGORCZYK, A. & MOSTOWSKI, ANDRZEJ & RYLL-NARDZEWSKI, C. *The classical and the  $\omega$ -complete arithmetic* ♦ C62 D55 D70 F30 ♦
- KEMENY, J.G. *Undecidable problems of elementary number theory* ♦ F30 H15 ♦
- KIREEVSKIJ, N.N. *Ueber die Allgemeingultigkeit gewisser Zaehlausdruecke (Russian)* ♦ B25 F30 ♦
- LEVY, A. *Comparison of subtheories*  
♦ C07 C40 E30 F30 ♦
- MAEHARA, S. *Another proof of Takeuti's theorems on Skolem's paradox* ♦ C07 F25 F30 ♦
- NAGEL, E. & NEWMAN, J.R. *Goedel's proof*  
♦ B28 D35 F30 F98 ♦
- ROBINSON, R.M. *Restricted set-theoretical definitions in arithmetic* ♦ B28 F30 F35 ♦
- SCHACH, A. *Two forms of mathematical induction*  
♦ F30 ♦
- SCHMIDT, J. *Einige Prinzipien der doppelten Induktion*  
♦ F30 ♦
- SHOENFIELD, J.R. *Open sentences and the induction axiom*  
♦ F30 ♦
- 1959**
- BOUVERE DE, K.L. *A method in proofs of undefinability, with applications to functions in the arithmetic of natural numbers* ♦ C40 F30 ♦
- EHRENFEUCHT, A. & FEFERMAN, S. *Representability of recursively enumerable sets in formal theories*  
♦ D25 F30 ♦
- ESENIN-VOL'PIN, A.S. *On Goedel's second theorem (Russian)* ♦ F30 ♦

- FALEVICH, B.YA. *Incompleteness theorems in systems with infinite induction (Russian)* ◇ F30 ◇
- KHLODOVSKIJ, I.N. *A new proof of the consistency of arithmetic (Russian)* ◇ F05 F30 ◇
- KREISEL, G. *Interpretation of analysis by means of constructive functionals of finite types* ◇ D65 F10 F30 F35 F50 ◇
- KREISEL, G. & SHOENFIELD, J.R. & WANG, HAO *Number theoretic concepts and recursive well-orderings* ◇ F15 F30 ◇
- KURODA, S. *An investigation on the logical structure of mathematics. VI. Consistent V-systems T(V) . VII. Set-theoretical contradictions* ◇ B28 B30 E70 F30 ◇
- KURODA, S. *An investigation on the logical structure of mathematics. VIII. Consistency of the natural-number theory T<sub>1</sub>(N)* ◇ B28 B30 F30 ◇
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- NISHIMURA, T. *On Goedel's theorem (Japanese)* ◇ D35 F30 ◇
- SHOENFIELD, J.R. *On a restricted ω-rule (Russian summary)* ◇ F30 ◇
- STEGMUELLER, W. *Unvollstaendigkeit und Unentscheidbarkeit. Die metamathematischen Resultate von Goedel, Church, Kleene, Rosser und ihre erkenntnistheoretische Bedeutung* ◇ A05 D35 F30 F98 ◇
- TRAKHTENBROT, B.A. *Descriptive classifications in recursive arithmetics (Russian)* ◇ D20 F30 ◇
- VUCKOVIC, V. *Partially ordered recursive arithmetics* ◇ D20 F30 ◇

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- HARROP, R. *Concerning formulas of the types A → B ∨ C, A → (Ex)B(x) in intuitionistic formal systems* ◇ F30 F50 ◇
- KOHL, H.R. & PARSONS, C. *Self-reference, truth, and provability* ◇ A05 F25 F30 ◇
- KREISEL, G. *Ordinal logics and the characterization of informal concepts of proof* ◇ F07 F15 F30 F65 ◇
- NISHIMURA, T. *On a certain system with infinite induction* ◇ F30 ◇
- ROSE, H.E. *Independence of induction schemas in recursive arithmetic* ◇ F30 ◇
- SCHUETTE, K. *Beweistheorie* ◇ B98 F05 F15 F30 F35 F98 ◇
- SOU DIEUX, C. *De l'infini arithmetique* ◇ B28 F30 F98 ◇
- VUCKOVIC, V. *Rekursive Modelle einiger nichtklassischer Aussagenkalkule (Serbo-Croatian)* ◇ B22 F30 ◇

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- GOODSTEIN, R.L. *Recursive analysis* ◇ F30 F60 F98 ◇
- HANSON, N.R. *The Goedel theorem* ◇ D20 D35 F30 ◇
- MONTAGUE, R. *Semantical closure and non-finite axiomatizability I* ◇ B15 E30 F25 F30 ◇
- MOSTOWSKI, ANDRZEJ *A generalization of the incompleteness theorem* ◇ F30 ◇
- MUELLER, GERT H. *Nicht-Standardmodelle der Zahlentheorie* ◇ C62 F30 ◇
- MUELLER, GERT H. *Ueber die unendliche Induktion* ◇ F30 ◇
- NAGEL, E. & NEWMAN, J.R. *Discussion: Putnam's review of Goedel's proof* ◇ B28 F30 ◇
- RABIN, M.O. *Non-standard models and independence of the induction axiom* ◇ B28 C62 F30 H15 ◇
- RIEGER, L. *Sur le probleme des nombres naturels* ◇ A05 A10 F30 ◇
- ROSE, H.E. *On the consistency and undecidability of recursive arithmetic* ◇ D35 F30 ◇
- SHEPHERDSON, J.C. *Representability of recursively enumerable sets in formal theories* ◇ D25 F30 ◇
- SMART, J.J.C. *Goedel's theorem, Church's theorem and mechanism* ◇ A05 B10 D35 F30 ◇
- TAKEUTI, G. *Remarks on the truth definition* ◇ F25 F30 ◇

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- CANNONITO, F.B. *The Goedel incompleteness theorem and intelligent machines* ◇ B35 D10 D25 F30 ◇
- FEFERMAN, S. & SPECTOR, C. *Incompleteness along paths in progressions of theories* ◇ D55 F15 F30 ◇
- FEFERMAN, S. *Transfinite recursive progressions of axiomatic theories* ◇ D55 F15 F30 ◇
- FEFERMAN, S. & KREISEL, G. & OREY, S. *I-consistency and faithful interpretations* ◇ F25 F30 F35 ◇
- HOERING, W. *Absolut unentscheidbare Saetze der Mathematik* ◇ A05 F30 ◇
- KRIPKE, S.A. *"Flexible" predicates of formal number theory* ◇ C90 F30 ◇
- MAEHARA, S. *Cut-elimination theorem concerning a formal system for ramified theory of types which admits quantification on types* ◇ B15 F05 F30 F35 F65 ◇
- MONTAGUE, R. *Theories incomparable with respect to relative interpretability* ◇ C07 F25 F30 ◇
- MOSTOWSKI, ANDRZEJ *Representability of sets in formal systems* ◇ D55 E15 F30 F35 ◇
- POGORZELSKI, H.A. *Recursive arithmetic of Skolem. I,II* ◇ F30 ◇
- ROSE, H.E. *Ternary recursive arithmetic* ◇ F30 ◇
- SCOTT, D.S. *Algebras of sets binumerable in complete extensions of arithmetic* ◇ C40 C62 F30 ◇
- VUCKOVIC, V. *Einfuehrung von Σ<sub>f</sub>(x) und Π<sub>f</sub>(x) in der rekursiven Gitterpunktarithmetik* ◇ D20 F30 ◇

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- HU, SHIHUA & HUANG, ZULIANG *Addition and multiplication (Chinese)* ◇ D20 F30 ◇
- KUBINSKI, T. *A proof of consistency of Borkowski's logical system containing Peano's arithmetic (Polish and Russian summaries)* ◇ B15 F25 F30 ◇
- MONTAGUE, R. *Syntactical treatments of modality, with corollaries on reflexion principles and finite axiomatizability* ◇ B45 B65 C62 F30 ◇
- WANG, HAO *Ackermann's consistency proof* ◇ F25 F30 ◇
- WANG, HAO *Partial systems of number theory* ◇ C62 F30 ◇
- WANG, HAO *Relative strength and reducibility* ◇ B10 E30 E70 F25 F30 ◇
- WANG, HAO *The arithmetization of metamathematics* ◇ F25 F30 ◇
- 1964**
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- BURGER, E. *Bemerkungen zu einigen Fassungen des Goedelschen Unvollstaendigkeitssatzes* ◇ D80 F30 ◇
- ELGOT, C.C. & RUTLEDGE, J.D. *RS-machines with almost blank tapes* ◇ D05 D10 F30 ◇
- GAO, HENGSHAN *Remarks on Ryll-Nardzewski's proof of the impossibility of finite axiomatization of Peano arithmetic (Chinese)* ◇ F30 ◇
- HERMES, H. *Unentscheidbarkeit der Arithmetik* ◇ D35 F30 ◇
- NAGORNYJ, N.M. *On realizable and completable logico-arithmetical formulas (Russian)* ◇ F30 F50 ◇
- PUTNAM, H. *On families of sets represented in theories* ◇ C40 D25 F30 ◇
- RIVETTI BARBO, F. *Il teorema e il corollario di Goedel* ◇ A05 F30 F98 ◇
- SHEPHERDSON, J.C. *A non-standard model for a free variable fragment of number theory* ◇ C62 F30 ◇
- 1965**
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- CHURCH, A. *An independence question in recursive arithmetic* ◇ F30 ◇
- DAVIS, MARTIN D. *Introduction to Goedel's paper: On formally undecidable propositions of the Principia Mathematica and related systems I* ◇ A10 D20 F30 ◇
- DAVIS, MARTIN D. (ED.) *The undecidable. Basic papers on undecidable propositions, unsolvable problems and computable functions* ◇ D20 D25 D35 D97 F30 ◇
- FINSLER, P. *Zur Goldbachschen Vermutung* ◇ F30 ◇
- FISCHER, P.C. *Theory of provably recursive functions* ◇ D20 D30 F30 ◇
- GOEDEL, K. *On undecidable propositions of formal mathematical systems* ◇ D20 D35 F30 ◇
- GOODSTEIN, R.L. *Multiple successor arithmetics* ◇ C62 F30 ◇
- KURATA, R. *Recursive progression of intuitionistic number theories* ◇ F15 F30 F50 ◇
- LEE, R.D. *The substitution schema in recursive arithmetic* ◇ F30 ◇
- MAKKAI, M. *Ueber die transfinite Induktion in zahlentheoretischen Formalismen* ◇ F30 ◇
- MO, SHAOKUI & SHEN, BAIYING *New systems of primitive recursive arithmetic (Chinese)* ◇ F30 ◇
- MO, SHAOKUI & SHEN, BAIYING *Systems of primitive recursive arithmetic (Chinese)* ◇ D20 F30 ◇
- MOLLER, S. *Induction models (Danish)* ◇ C62 F30 ◇
- NISHIMURA, T. & TANAKA, H. *On two systems for arithmetic* ◇ C75 F30 F35 ◇
- ROBINSON, T.T. *Interpretations of Kleene's metamathematical predicate  $\Gamma \vdash A$  in intuitionistic arithmetic* ◇ F30 F50 ◇
- ROSE, H.E. *A note on reducible induction schemata* ◇ F30 ◇
- SHEPHERDSON, J.C. *Non-standard models for fragments of number theory* ◇ C62 F30 ◇
- STRALBERG, A.H. *On the reduction of classical logic. An extension of some theorems of Glivenko and Goedel* ◇ B55 F30 F50 ◇
- TAIT, W.W. *The substitution method* ◇ F10 F15 F30 F35 ◇
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- ARBIB, M.A. *Speed-up theorems and incompleteness theorems* ◇ D15 F30 ◇
- ELGOT, C.C. & RABIN, M.O. *Decidability and undecidability of extensions of second (first) order theory of (generalized) successor* ◇ B15 B25 C85 D05 D35 F30 F35 ◇
- GINSBURG, S. & SPANIER, E.H. *Semigroups, Presburger formulas, and languages* ◇ D05 F30 ◇
- GOODSTEIN, R.L. & LEE, R.D. *A decidable class of equations in recursive arithmetic* ◇ B20 B25 F30 ◇
- GRANDY, R.E. *A note on the recursive unsolvability of primitive recursive arithmetic* ◇ D35 F30 ◇
- MO, SHAOKUI & SHEN, BAIYING *A new system for primitive recursive arithmetic I,II (Chinese)* ◇ F30 ◇
- PAOLA DI, R.A. *On sets represented by the same formula in distinct consistent axiomatizable Rosser theories* ◇ D25 F30 ◇
- PAOLA DI, R.A. *Pseudo-complements and ordinal logics based on consistency statements* ◇ D25 F15 F30 ◇
- PAOLA DI, R.A. *Some properties of pseudo-complements of recursively enumerable sets* ◇ D25 D30 F30 ◇
- ROUSSEAU, G. *A decidable class of number theoretic equations* ◇ B20 B25 F30 ◇
- VOPENKA, P. *A new proof of the Goedel's result on non-provability of consistency (Russian summary)* ◇ E30 E70 F30 ◇
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- BELYAKIN, N.V. *On the completeness of arithmetic (Russian)* ◇ F30 ◇

- BOTH, N. *On the bases of complete induction.*  
*Simultaneous induction (Romanian)* ♦ B28 F30 ♦
- CLEAVE, J.P. & ROSE, H.E.  $\mathcal{E}_n$ -arithmetic ♦ D20 F30 ♦
- FENSTAD, J.E. *Subsets of natural numbers (Norwegian)*  
*(English summary)*  
♦ A05 E35 E50 F30 F35 F65 ♦
- HEATH, I.J. *Omitting the replacement schema in recursive arithmetic* ♦ F30 ♦
- HEIJENOORT VAN, J. *Goedel's theorem*  
♦ A05 A10 F30 ♦
- JENSEN, R.B. *Unabhaengigkeitsbeweise in Teilsystemen der elementaren Zahlentheorie* ♦ F30 F35 ♦
- KLEENE, S.C. *Mathematical logic*  
♦ B98 D20 D25 D55 D98 F30 F98 ♦
- KOSOVSKIJ, N.K. *Sufficient conditions of incompleteness for the formalization of parts of arithmetic (Russian)*  
♦ F30 ♦
- KRIPKE, S.A. & POUR-EL, M.B. *Deduction-preserving "recursive isomorphisms" between theories*  
♦ B30 D25 D35 F30 ♦
- MINTS, G.E. & OREVKOV, V.P. *On imbedding operators (Russian)* ♦ F25 F30 F50 ♦
- MULLIN, A.A. *On new theorems for elementary number theory* ♦ F30 ♦
- NAGEL, E. & NEWMAN, J.R. *Goedel's proof*  
♦ D35 F30 ♦
- PAOLA DI, R.A. *Some theorems on extensions of arithmetic* ♦ D25 D35 F15 F30 ♦
- RITTER, W.E. *Representability of partial recursive functions in formal theories* ♦ D20 F30 ♦
- ROSE, H.E. *Some metamathematical results in recursive arithmetic* ♦ F30 ♦
- SHEPHERDSON, J.C. *The rule of induction in the free variable arithmetic based on + and \** ♦ C62 F30 ♦
- SINGH, S. *The natural number arithmetic in Goedel's axiomatic set theory* ♦ B28 F30 ♦
- TAIT, W.W. *Intensional interpretation of functionals of finite type I* ♦ F10 F30 F35 F50 ♦
- TSINMAN, L.L. *On the complete induction axiom (Russian)*  
♦ B28 F30 ♦
- VUCKOVIC, V. *A recursive model for the extended system A of B. Sobociński* ♦ B45 F30 ♦
- VUCKOVIC, V. *Mathematics of incompleteness and undecidability* ♦ D35 F30 ♦
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♦ B50 C57 C90 F30 ♦
- 1968**
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♦ D20 F30 ♦
- FEFERMAN, S. *Autonomous transfinite progressions and the extent of predicative mathematics*  
♦ F15 F30 F35 F65 ♦
- FENSTAD, J.E. *On the completeness of some transfinite recursive progressions of axiomatic theories*  
♦ F15 F30 ♦
- FOL'K, N.F. & SHESTOPAL, G.A. *The solvability of elementary theories of integral and natural numbers with addition (Russian)* ♦ B25 C10 F30 ♦
- HANATANI, Y. *Demonstration de l' $\omega$ -non-contradiction de l'arithmetique* ♦ F05 F15 F30 F50 ♦
- KINO, A. *On provably recursive functions and ordinal recursive functions* ♦ D20 F05 F30 F35 ♦
- KIPNIS, M.M. *The constructive classification of arithmetic predicates and the semantic bases of arithmetic (Russian)* ♦ D55 F30 F50 ♦
- KREISEL, G. & LEVY, A. *Reflection principles and their use for establishing the complexity of axiomatic systems*  
♦ E30 E47 F25 F30 F35 F50 ♦
- LOPEZ-ESCOBAR, E.G.K. *A decision method for the intuitionistic theory of successor*  
♦ B25 C10 F30 F50 ♦
- NJASTAD, O. *Note on the Peano axioms* ♦ F30 ♦
- POZSGAY, L.J. *Goedel's second theorem for elementary arithmetic* ♦ F30 ♦
- RITCHIE, R.W. & YOUNG, P. *Strong representability of partial functions in arithmetic theories* ♦ D20 F30 ♦
- ROEDDING, W. *Eine Art von Gleichgewicht zahlentheoretischer und mengentheoretischer Axiomensysteme* ♦ B30 E30 F30 ♦
- ROUSSEAU, G. *Note on the decidability of a certain class of number theoretic equations* ♦ B20 B25 F30 ♦
- SCHUETTE, K. *Neuere Ergebnisse der Beweistheorie*  
♦ F05 F10 F15 F30 F35 F98 ♦
- TAIT, W.W. *Constructive reasoning*  
♦ B40 F10 F15 F30 F35 F50 F65 ♦
- TAIT, W.W. *Normal derivability in classical logic*  
♦ C75 F05 F15 F30 F35 F60 ♦
- TOMPKINS, R.R. *On Kleene's recursive realizability as an interpretation for intuitionistic elementary number theory* ♦ F30 F50 ♦
- TSEJITIN, G.S. *The disjunctive rank of the formulas of constructive arithmetic (Russian)* ♦ F30 F50 ♦
- TSINMAN, L.L. *The role of the principle of induction in a formal arithmetical system (Russian)* ♦ B28 F30 ♦
- 1969**
- BARZIN, M. *Sur le mecanisme des paradoxes et le theoreme de M.K. Goedel* ♦ A05 F30 ♦
- DOU, A. *El teorema de incomplitud de Goedel* ♦ F30 ♦
- ESENIN-VOL'PIN, A.S. *On Hilbert's second problem (Russian)* ♦ A05 F30 F65 ♦
- GENTZEN, G. *The collected papers of Gerhard Gentzen*  
♦ B96 F05 F07 F30 F50 F96 ♦
- GOODSTEIN, R.L. *Decision methods in recursive arithmetic*  
♦ B25 F30 ♦
- JONES, JAMES P. *Independent recursive axiomatizability in arithmetic* ♦ D25 F30 ♦
- POGORZELSKI, H.A. *Goldbach sentences in abstract arithmetics  $\mathcal{A}^k(A)$  I* ♦ D20 F30 ♦
- SCARPELLINI, B. *Some applications of Gentzen's second consistency proof* ♦ F05 F30 F35 F50 ♦
- SHEPHERDSON, J.C. *Weak and strong induction*  
♦ C62 F30 ♦
- SZABO, M.E. *Introduction* ♦ A10 F05 F30 F98 ♦
- TSINMAN, L.L. *A theorem on normal proofs in the theory of regular formulae (Russian)* ♦ F30 ♦
- TSINMAN, L.L. *Certain algorithms in a formal arithmetic system (Russian)* ♦ B25 F30 ♦

WETTE, E. *Definition eines (relativ vollstaendigen) formalen Systems konstruktiver Arithmetik*  
 ◇ F10 F15 F30 F35 F65 ◇

**1970**

- BERNAYS, P. *The original Gentzen consistency proof for number theory* ◇ A10 B28 F30 F50 ◇  
 CIAMPA, S. *I numeri, l'aritmetica, gli insiemi*  
 ◇ A05 F30 ◇  
 COLLINS, G.E. & HALPERN, J.D. *On the interpretability of arithmetic in set theory*  
 ◇ B28 D35 E30 F25 F30 ◇  
 DENTON JR., J.S. & DREBEN, B. *Herbrand-style consistency proofs* ◇ F05 F30 F35 ◇  
 EBBINGHAUS, H.-D. *Aufzaehlbarkeit*  
 ◇ D03 D10 D20 D25 F30 ◇  
 GERMANO, G. *Metamathematische Begriffe in Standardtheorien* ◇ A05 B30 F30 ◇  
 GOODMAN, NICOLAS D. *A theory of constructions equivalent to arithmetic* ◇ F30 F50 ◇  
 KABAKOV, F.A. *On modelling of pseudo-boolean algebras by realizability (Russian)* ◇ F30 F50 G10 ◇  
 KUZICHEVA, Z.A. *On the history of incompleteness theorems (Russian)* ◇ A10 F30 ◇  
 LACEY, H.M. *The consequence of Goedel's theorem*  
 ◇ A05 F30 ◇  
 MAYOH, B.H. *The relation between an object and its name: notation systems and their fixed point theorems*  
 ◇ A05 B03 D20 D35 D45 F30 F60 ◇  
 PARSONS, C. *On a number-theoretic choice schema and its relation to induction* ◇ F10 F30 ◇  
 POGORZELSKI, H.A. *Goldbach sentences in abstract arithmetics  $\mathcal{A}^k(A)$*  II ◇ F30 ◇  
 SHMAIN, I.KH. *Imbeddings of classical systems in intuitionistic and minimal ones (Russian)*  
 ◇ F30 F50 ◇  
 UESU, T. *On the recursively restricted rules*  
 ◇ C75 F30 ◇  
 WETTE, E. *Vom Unendlichen zum Endlichen*  
 ◇ A05 B28 E30 F30 ◇

**1971**

- BECVAR, J. *Hilbert's second problem (the question of the consistency of arithmetic) (Czech)* ◇ F30 ◇  
 CANNONITO, F.B. *A note on inverses of elementary permutations* ◇ D20 D45 F30 ◇  
 DALEN VAN, D. & GORDON, C.E. *Independence problems in subsystems of intuitionistic arithmetic*  
 ◇ F30 F50 ◇  
 DREBEN, B. & GOLDFARB, W.D. *Note N*  
 ◇ A10 B10 F30 F35 ◇  
 DUMITRIU, A. *Fermat's method of infinite descent compared with the method of mathematical induction (Romanian) (French summary)* ◇ A10 F30 ◇  
 ELLENTUCK, E. *Incompleteness via simple sets*  
 ◇ D25 F30 ◇  
 FRIEDMAN, H.M. *A more explicit set theory*  
 ◇ A05 C62 E30 E35 E45 F30 F35 ◇  
 GERMANO, G. *Incompleteness and truth definitions*  
 ◇ C40 D35 F30 ◇

- GRZEGORCZYK, A. *Outline of theoretical arithmetic (Polish)* ◇ B28 C62 F30 F35 F98 ◇  
 HAJKOVA, M. *The lattice of bi-numerations of arithmetic. I,II* ◇ D45 F30 ◇  
 HANSON, W.H. *Mechanism and Goedel's theorems*  
 ◇ A05 F30 ◇  
 HAUSCHILD, K. *Nichtaxiomatisierbarkeit von Satzmengen durch Ausdruecke spezieller Gestalt*  
 ◇ B28 C20 C40 C52 F30 ◇  
 JEROSLOW, R. *Consistency statements in formal theories*  
 ◇ F30 ◇  
 JERVELL, H.R. *A normalform in first order arithmetic*  
 ◇ F05 F30 F50 ◇  
 LOLLI, G. *Formule universali dell'aritmetica di Peano*  
 ◇ F30 ◇  
 MANGIONE, C. *Su alcune questioni connesse con i principi di riflessione* ◇ F30 ◇  
 MCKENZIE, R. *Negative solution of the decision problem for sentences true in every subalgebra of  $\langle N, + \rangle$*   
 ◇ D35 F30 ◇  
 MINTS, G.E. *Exact estimation of the provability of transfinite induction in the initial segments of arithmetic (Russian) (English summary)* ◇ F05 F15 F30 ◇  
 MINTS, G.E. *Quantifier-free and one-quantifier systems (Russian) (English summary)* ◇ B20 D20 F30 ◇  
 NELSON, GEORGE C. *A further restricted  $\omega$ -rule*  
 ◇ F30 ◇  
 PARikh, R. *Existence and feasibility in arithmetic*  
 ◇ A05 D15 F30 F65 H15 ◇  
 PLIUSKEVICIENE, A. *Elimination of cut-type rules from the Robinson and Presburger axiomatic systems (Russian)*  
 ◇ F05 F30 ◇  
 PRAWITZ, D. *Ideas and results in proof theory*  
 ◇ F05 F07 F10 F30 F35 F50 F98 ◇  
 RICHARDSON, D.B. *The simple exponential constant problem* ◇ D80 F30 ◇  
 SATINDER, P.K. *Completeness and cut-elimination in constructive  $\omega$ -rule arithmetics* ◇ F05 F30 ◇  
 SCARPELLINI, B. *Proof theory and intuitionistic systems*  
 ◇ F05 F15 F30 F35 F50 F98 ◇  
 TROELSTRA, A.S. *Notions of realizability for intuitionistic arithmetic and intuitionistic arithmetic in all finite types*  
 ◇ F30 F35 F50 ◇

**1972**

- CHRISTIAN, C.C. *Konsistenzkriterien fuer formale Theorien und ihre Anwendung auf Zahlen- und Mengentheorie* ◇ B28 E30 F30 ◇  
 COOPER, D.C. *Theorem proving in arithmetic without multiplication* ◇ B25 B35 F30 ◇  
 DRAGALIN, A.G. *On the use of classical calculi for establishing constructive truth (Russian) (English summary)* ◇ B10 F30 F50 ◇  
 ENDERTON, H.B. *A mathematical introduction to logic*  
 ◇ B98 C98 F30 ◇  
 HAJEK, P. & HAJKOVA, M. *On interpretability in theories containing arithmetic* ◇ F25 F30 ◇  
 HAUCK, J. & HERRE, H. & POSEGGA, M. *Zur Metatheorie formaler Systeme* ◇ B10 C07 F30 ◇  
 JOCKUSCH JR., C.G. & SOARE, R.I. *Degrees of members of  $\Pi_1^0$  classes* ◇ D25 D30 F30 ◇

- KREISEL, G. *Which number theoretic problems can be solved in recursive progressions on  $\Pi_1^1$ -paths through  $\odot$*  ? ◊ A05 D20 D55 F15 F30 F99 ◊
- LOPEZ-ESCOBAR, E.G.K. *Refutability and elementary number theory* ◊ F30 F50 ◊
- MEDVEDEV, YU.T. *Locally finitary algorithmic problems (Russian)* ◊ D20 F30 F50 ◊
- MYHILL, J.R. *An absolutely independent set of  $\Sigma_1^0$  sentences* ◊ F30 ◊
- PARSONS, C. *On n-quantifier induction* ◊ F10 F30 ◊
- PLIUSKEVICIENE, A. *A sequential variant of R. M. Robinson's arithmetic system not containing cut rules (Russian)* ◊ F05 F30 ◊
- ROSE, H.E.  $\mathcal{E}^\alpha$ -arithmetic and transfinite induction ◊ D20 F30 ◊
- SCHWICHTENBERG, H. *Beweistheoretische Charakterisierung einer Erweiterung der Grzegorczyk-Hierarchie* ◊ D20 F15 F30 ◊
- STEEN, S.W.P. *Mathematical logic, with special reference to the natural numbers* ◊ B98 F30 F98 ◊

**1973**

- BOLLMAN, D.A. & LAPLAZA, M.L. *A set-theoretic model for nonassociative number theory* ◊ B28 E75 F30 ◊
- BUNDY, A. *A note on omitting the replacement schema* ◊ D20 F30 ◊
- CHRISTIAN, C.C. *Inhaltliche und formale Wahrheit* ◊ A05 E30 E35 E45 F30 ◊
- EHRENFEUCHT, A. *Polynomial functions with exponentiation are well ordered* ◊ E07 F30 ◊
- FRIDMAN, EH.I. & SLOBODSKOI, A.M. *The theory of the additive group of the integers with an arbitrary number of predicates that define maximal subgroups (Russian)* ◊ C10 F30 ◊
- GARRO, I. *Independence proofs in arithmetic theories with very weak induction* ◊ F30 ◊
- GERMANO, G. *Incompleteness theorem via weak definability of truth: a short proof* ◊ C40 F30 ◊
- GOODMAN, NICOLAS D. *The arithmetic theory of constructions* ◊ F30 F50 ◊
- GOODMAN, NICOLAS D. *The faithfulness of the interpretation of arithmetic in the theory of constructions* ◊ F30 F50 ◊
- JACOBS, K. (ED.) *Selecta mathematica II* ◊ D97 F30 ◊
- JEROSLOW, R. *Redundancies in the Hilbert-Bernays derivability conditions for Goedel's second incompleteness theorem* ◊ F30 ◊
- KENT, C.F. *The relation of A to Prov'A' in the Lindenbaum sentence algebra* ◊ F30 G05 ◊
- KHOMICH, V.I. *The complexity of recognition of the realizability of logico-arithmetic formulas (Russian)* ◊ F30 F50 ◊
- KOLODZIEJ, R. *On a certain subclass of formulas of recursive arithmetics (Polish) (Russian and English summaries)* ◊ F30 ◊
- LIU, SHICHAO *Ordering formulas and quasi-unsecuredness* ◊ F30 ◊
- MACINTYRE, A. & SIMMONS, H. *Goedel's diagonalization technique and related properties of theories* ◊ F30 G05 ◊

- MAGARI, R. *Meaning and truth in the Peano arithmetic (Italian summary)* ◊ F30 ◊
- MEDVEDEV, YU.T. *An interpretation of intuitionistic number theory* ◊ F15 F30 F50 ◊
- METROPOLIS, N. & ROTA, G.-C. & TANNY, S. *Significance arithmetic: the carrying algorithm* ◊ B75 F30 ◊
- OPPEN, D.C. *Elementary bounds for Presburger arithmetic* ◊ B25 C10 D15 F30 ◊
- OWINGS JR., J.C. *Diagonalization and the recursion theorem* ◊ B40 D20 F30 ◊
- PALUCH, S. *The lattices of numerations of theories containing Peano's arithmetic* ◊ F30 G10 ◊
- PARIKH, R. *Some results on the length of proofs* ◊ B25 F20 F30 ◊
- PENZIN, YU.G. *Decidability of certain theories of integers (Russian)* ◊ B25 F30 ◊
- PENZIN, YU.G. *Decidability of the theory of integers with addition, order and multiplication by an arbitrary number (Russian)* ◊ B25 F30 ◊
- PENZIN, YU.G. *Decidability of a theory of the integers with addition, order and predicates that distinguish a chain of subgroups (Russian)* ◊ B25 F30 ◊
- ROBINSON, JULIA *Axioms for number theoretic functions (Russian)* ◊ C62 D20 D75 F30 ◊
- SCANLON, T.M. *The consistency of number theory via Herbrand's theorem* ◊ B10 F05 F30 ◊
- SHEPARD, P.T. *A finite arithmetic* ◊ F30 F65 ◊
- SMORYNSKI, C.A. *Applications of Kripke models* ◊ F30 F50 ◊
- TROELSTRA, A.S. *Intuitionistic formal systems* ◊ F30 F35 F50 ◊
- TROELSTRA, A.S. (ED.) *Metamathematical investigation of intuitionistic arithmetic and analysis* ◊ F05 F10 F30 F35 F50 F55 F98 ◊
- TROELSTRA, A.S. *Models and computability* ◊ F05 F10 F30 F35 F50 ◊
- TROELSTRA, A.S. *Normalization theorems for systems of natural deduction* ◊ F05 F30 F35 F50 ◊
- TROELSTRA, A.S. *Realizability and functional interpretations* ◊ F10 F30 F35 F50 ◊
- WOLTER, H. *Eine Erweiterung der elementaren Praedikatenlogik: Anwendungen in der Arithmetik und anderen mathematischen Theorien* ◊ B28 C10 C80 F30 ◊

**1974**

- BARNES, D.W. & MONRO, G.P. *A simple model for a weak system of arithmetic* ◊ C62 F30 ◊
- CHUBARYAN, A.A. *The complexity of deductions in extensions of formal arithmetic (Russian) (Armenian summary)* ◊ F20 F30 ◊
- CHUBARYAN, A.A. *The length of derivations of formulae in extensions of formal arithmetic (Russian) (Armenian and English summaries)* ◊ F20 F30 ◊
- DREVYANKINA, E.A. *Some problems of completeness of arithmetic (Russian)* ◊ F15 F30 ◊
- DRAGALIN, A.G. *The completeness of an arithmetic with a constructive rule of infinite induction (Russian)* ◊ F30 F50 ◊
- FISCHER, MICHAEL J. & RABIN, M.O. *Super-exponential complexity of Presburger arithmetic* ◊ B25 D15 F20 F30 ◊

- GENTZEN, G. *Der erste Widerspruchsfreiheitsbeweis fuer die klassische Zahlentheorie* ♦ F05 F15 F25 F30 ♦
- GENTZEN, G. *Ueber das Verhaeltnis zwischen intuitionistischer und klassischer Arithmetik*  
♦ B30 F30 F50 ♦
- GOLDFARB, W.D. *Ordinal bounds for k-consistency*  
♦ F15 F30 ♦
- GOLDFARB, W.D. & SCANLON, T.M. *The  $\omega$ -consistency of number theory via Herbrand's theorem*  
♦ F05 F15 F30 ♦
- KENT, C.F. "Disorder" in lattices of binumerations  
♦ F30 G05 ♦
- KRAJEWSKI, S. *Mutually inconsistent satisfaction classes*  
♦ C62 F30 ♦
- LOLLI, G. *Una dimostrazione di non contraddittorietà per l'aritmetica (English summary)* ♦ F30 ♦
- LOPEZ-ESCOBAR, E.G.K. *Elementary interpretations of negationless arithmetic* ♦ F30 F50 ♦
- MAGARI, R. *Sur certe teorie non enumerabili. Sulle limitazioni dei sistemi formali I* ♦ B53 B60 F30 ♦
- MARONGIU, G. *Sequenze di predicati aritmetici di tipo "teor" (English summary)* ♦ F30 ♦
- MCMINN, T.J. *A formal number-termed number system based on recursion* ♦ B28 F30 ♦
- METEAU, G. *The foundations of mathematics - a new analysis showing Goedel's theorem based on fallacy*  
♦ A05 F30 ♦
- MINTS, G.E. *E theorems (Russian) (English summary)*  
♦ F05 F30 F50 ♦
- PABION, J.F. *L'axiomatisation de la syntaxe et le second theoreme de Goedel* ♦ B30 F30 ♦
- POGORZELSKI, H.A. *On the Goldbach conjecture and the consistency of general recursive arithmetic* ♦ F30 ♦
- RESNIK, M.D. *On the philosophical significance of consistency proofs* ♦ A05 F25 F30 ♦
- RICHARDSON, D.B. *Sets of theorems with short proofs*  
♦ F20 F30 ♦
- SAKAI, H. *On necessary but not-sufficient conditions*  
♦ B10 F30 F35 G05 ♦
- SAKAI, H. *On numerations of a formal system*  
♦ D45 F30 ♦
- SAMBIN, G. *Un'estensione del teorema di Loeb (English summary)* ♦ F30 ♦
- TROELSTRA, A.S. *Note on the fan theorem*  
♦ F30 F35 F50 ♦
- USPENSKIJ, V.A. *An elementary exposition of Goedel's incompleteness theorem (Russian)* ♦ F30 ♦
- WETTE, E. *Contradiction within pure number theory because of a system-internal "consistency"-deduction*  
♦ B10 F30 ♦
- WETTE, E. *The refutation of number theory. I*  
♦ D10 F30 ♦
- ZINOV'EV, A.A. *Certain systems of formal arithmetic (Russian)* ♦ B45 F30 ♦
- ZUCKER, J.I. *The correspondence between cut-elimination and normalization I,II* ♦ F05 F30 F50 ♦
- 1975
- ACZEL, P. *Recursive density types and Nerode extensions of arithmetic* ♦ D45 D50 F30 ♦
- BERNARDI, C. *On the equational class of diagonalizable algebras (the algebraization of the theories which express Theor. VI)* ♦ B25 F30 G05 G25 ♦
- BERNARDI, C. *The fixed-point theorem for diagonalizable algebras (the algebraization of the theories which express Theor. III)* ♦ B45 F30 G05 G25 ♦
- BOOLOS, G. *On Kalmar's consistency proof and a generalization of the notion of  $\omega$ -consistency*  
♦ F15 F30 ♦
- CELLUCCI, C. *Teoremi di normalizzazione per alcuni sistemi funzionali* ♦ F05 F10 F15 F30 ♦
- CELLUCCI, C. *Teoremi di normalizzazione per alcuni sistemi funzionali II* ♦ F05 F10 F15 F30 ♦
- CROSSLEY, J.N. *What is mathematical logic ?*  
♦ B98 F30 ♦
- DAWES, A.M. & FLORENCE, J.B. *Independent Goedel sentences and independent sets* ♦ D25 F30 ♦
- DEUTSCH, M. *Zur Benutzung der Verkettung als Basis fuer die Arithmetik* ♦ B28 F30 ♦
- DEUTSCH, M. *Zur Darstellung koaufzaehlbarer Praedikate bei Verwendung eines einzigen unbeschraenkten Quantors* ♦ D25 F30 ♦
- FRIEDMAN, H.M. *Provable equality in primitive recursive arithmetic with and without induction* ♦ F30 ♦
- GOLDFARB, W.D. *On the effective  $\omega$ -rule* ♦ F20 F30 ♦
- LEIVANT, D. *Strong normalization for arithmetic (Variations on a theme of Prawitz.)*  
♦ F05 F30 F50 ♦
- LEVITZ, H. *An ordered set of arithmetic functions representing the least  $\varepsilon$ -number* ♦ C62 F15 F30 ♦
- MAGARI, R. *Metodi algebrici in teoria della dimostrazione*  
♦ F30 G05 ♦
- MAGARI, R. *Representation and duality theory for diagonalizable algebras (The algebraization of theories which express Theor. IV.)* ♦ F30 G25 ♦
- MAGARI, R. *Significato e verita nell'aritmetica peaniana (English summary)* ♦ A05 F30 ♦
- MAGARI, R. *The diagonalizable algebras (The algebraization of the theories which express Theor. II)*  
♦ F30 G25 ♦
- MCALEOON, K. *Applications alternees de theoremes d'incomplétude et des theoremes de complétude (English summary)* ♦ C62 E35 F30 ♦
- MEZHLOMBEKOVA, V.F. *Cut-elimination in a system of negationless arithmetic (Russian) (English summary)*  
♦ B20 F05 F30 F50 ♦
- MEZHLOMBEKOVA, V.F. *Deductive capabilities of negationless intuitionistic arithmetic (Russian) (English summary)* ♦ F30 F50 ♦
- MINTS, G.E. *Finite investigations of transfinite derivations (Russian) (English summary)*  
♦ F05 F07 F10 F20 F30 F35 F50 ♦
- MINTS, G.E. *Proof theory (arithmetic and analysis) (Russian)* ♦ F05 F10 F30 F35 F50 F98 ♦
- MINTS, G.E. *Transfinite expansions of arithmetic formulas (Russian) (English summary)* ♦ F30 F50 ♦
- MONTAGNA, F. *For every  $n$ , the  $n$ -freely generated algebra is not functionally free in the equational class of diagonalizable algebras (the algebraization of theories which express Theor. V)* ♦ F30 G05 ♦

- PAOLA DI, R.A. *A theorem on shortening the length of proof in formal systems of arithmetic* ♦ F20 F30 ♦
- PODNIJEKS, K.M. *The double-incompleteness theorem (Russian) (English summary)* ♦ D35 F30 ♦
- PRÄWITZ, D. *Comments on Gentzen-type procedures and the classical notion of truth* ♦ B10 F05 F07 F30 ♦
- SCARPELLINI, B. *Bemerkungen zu Regel und Schema* ♦ F07 F30 F50 ♦
- SIMMONS, H. *Topological aspects of suitable theories* ♦ B45 F30 G05 ♦
- TAKEUTI, G. *Proof theory* ♦ F05 F07 F30 F35 F98 ♦
- TOLEDO, S. *Tableau systems for first order number theory and certain higher order theories* ♦ F05 F07 F30 F35 F98 ♦
- TOMAS, F. *A test for consistency and its application to recursive arithmetic (Spanish)* ♦ B28 F30 ♦
- WANDSCHNEIDER, D. *Zur Eliminierung des Goedelschen Unvollständigkeitsproblems im Zusammenhang mit dem Antinomien-Problem* ♦ A05 E30 F30 ♦
- WAUW-DE KINDER VAN DE, G. *Arithmetique de premier ordre dans les topos (English summary)* ♦ F30 F50 G30 H15 ♦
- WOLTER, H. *Entscheidbarkeit der Arithmetik mit Addition und Ordnung in Logiken mit verallgemeinerten Quantoren* ♦ B25 C10 C55 C80 F30 ♦
- 1976**
- BARENDEGT, H.P. *The incompleteness theorems* ♦ D35 F30 ♦
- BEL'YUKOV, A.P. *Decidability of the universal theory of natural numbers with addition and divisibility (Russian)* ♦ B25 B28 F30 ♦
- BERNARDI, C. *The uniqueness of the fixed-point in every diagonalizable algebra (The algebraization of the theories which express Theor. VIII.)* ♦ B45 F30 G05 G25 ♦
- BEZBORUAH, A. & SHEPHERDSON, J.C. *Goedel's second incompleteness theorem for Q* ♦ C62 F30 ♦
- BOOLOS, G. *On deciding the truth of certain statements involving the notion of consistency* ♦ B25 B45 F30 ♦
- BORGIA, M. *On a preliminary reduction step in Gentzen's second consistency proof* ♦ F30 ♦
- CHERNIAVSKY, J.C. *Simple programs realize exactly Presburger formulas* ♦ B75 D15 D20 F30 ♦
- CHERNYAKHOVSKIJ, N.P. *The expressibility of realizability, in the language of formal arithmetic (Russian)* ♦ D80 F30 F50 ♦
- CHRISTIAN, C.C. *Peano-Systeme* ♦ B28 F30 F35 ♦
- EHRENFEUCHT, A. & JENSEN, D.C. *Some problems in elementary arithmetics* ♦ C62 F30 H15 ♦
- FRIEDMAN, H.M. *Uniformly defined descending sequences of degrees* ♦ D30 D55 F30 F35 ♦
- FRIEDRICHSDORF, U. *Einige Bemerkungen zur Peano-Arithmetik* ♦ C25 C52 C62 F30 ♦
- GERMANO, G. *An arithmetical reconstruction of the liar's antinomy using addition and multiplication* ♦ F30 ♦
- HISCHER, HORST & LUCHT, L. *Zum Verstaendnis des Induktionsaxioms* ♦ B28 F30 ♦
- KREISEL, G. *Wie die Beweistheorie zu ihren Ordinalzahlen kam und kommt* ♦ F05 F15 F30 F35 ♦
- LIVCHAK, A.B. *Definable sets of integers (Russian)* ♦ C60 C62 F30 ♦
- LOPEZ-ESCOBAR, E.G.K. *On an extremely restricted  $\omega$ -rule* ♦ F05 F15 F30 F50 ♦
- MAREK, W. & SREBRNY, M. *Urelements and extendability* ♦ C62 E30 E70 F25 F30 F35 ♦
- MEYER, R.K. *Relevant arithmetic* ♦ B46 F30 ♦
- MINTS, G.E. *The universality of the canonical tree (Russian)* ♦ F15 F30 ♦
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- MLCEK, J. *Twin prime problem in an arithmetic without induction* ♦ F30 ♦
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- POGORZELSKI, H.A. *Dirichlet theorems and prime number hypotheses of a conditional Goldbach theorem* ♦ F30 ♦
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- SAMBIN, G. *An effective fixed-point theorem in intuitionistic diagonalizable algebras (The algebraisation of the theories which express Theor. IX)* ♦ F30 F50 G10 G25 ♦
- SOLOVAY, R.M. *Provability interpretations of modal logic* ♦ B45 E30 F30 ♦
- STANFORD, P.H. *A formalisation of the integers in a multi-successor arithmetic* ♦ F30 ♦
- WANDSCHNEIDER, D. *Reflexive Unbeweisbarkeitsaussagen. Anmerkungen zur Grundsatzdiskussion um Goedels Unvollständigkeitsproblem* ♦ A05 E30 F30 ♦
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- BERMAN, L. *Precise bounds for Presburger arithmetic and the reals with addition: preliminary report* ♦ B25 D15 F30 ♦
- BOOLOS, G. *On deciding the provability of certain fixed point statements* ♦ B25 B45 F30 ♦
- BUTRICK, R. *The numeral axioms* ♦ F30 ♦
- CARSTENS, H.G. *The theorem of Matijasevic is provable in Peano's arithmetic by finitely many axioms* ♦ C52 D25 D35 F30 H15 ♦
- CELLUCCI, C. *Proprieta di uniformita e 1-coerenza dell'aritmetica del primo ordine* ♦ F05 F30 ♦
- CHUBARYAN, A.A. *The complexity of deductions in formal arithmetic and predicate calculus (Russian)* ♦ B10 F20 F30 ♦
- FRANZ, W. *Ueber mathematische Aussagen, die samt ihrer Negation nachweislich unbeweisbar sind. Der Unvollständigkeitssatz von Goedel* ♦ F30 ♦
- GIRARD, J.-Y. *Functional interpretation and Kripke models* ♦ C90 F10 F30 F50 ♦
- HAFNER, I. *On some subtheory of formal arithmetic* ♦ F30 ♦

- HAJEK, P. *Experimental logics and  $\Pi_3^0$  theories*  
     ◊ B60 C62 D55 F30 ◊
- HALMOS, P.R. *Logic from A to G* ◊ A10 F30 ◊
- HARRINGTON, L.A. & PARIS, J.B. *A mathematical incompleteness in Peano arithmetic*  
     ◊ C30 C62 E05 F30 ◊
- HINATA, S. *A normalization theorem in formal theories of natural numbers* ◊ F05 F30 F50 ◊
- KIRBY, L.A.S. & PARIS, J.B. *Initial segments of models of Peano's axioms* ◊ C62 F30 ◊
- KUZICHEV, A.S. *Formal arithmetic in the  $\lambda$ -system of  $\lambda$ -conversion (Russian)* ◊ B40 F05 F30 ◊
- LIVCHAK, A.B. *Expressible subsets of the ordered group of integers (Russian)* ◊ C60 C62 F30 ◊
- LOPEZ-ESCOBAR, E.G.K. *Infinite rules in finite systems*  
     ◊ F30 F35 ◊
- MANIN, YU.I. *A course in mathematical logic*  
     ◊ B98 C07 D98 E35 E50 F30 G12 ◊
- MART'YANOV, V.I. *Extended universal theories of the integers (Russian)* ◊ B25 D35 F30 ◊
- MCALOON, K. *Consistency statements and number theories* ◊ C62 F30 ◊
- MINTS, G.E. *Formal arithmetic (Russian)* ◊ F30 ◊
- MINTS, G.E. *Goedel's incompleteness theorem (Russian)*  
     ◊ F30 ◊
- NAKAMURA, A. & ONO, H. *Two-dimensional finite automata and their application to the decision problem of monadic first-order arithmetic  $A[P, F(x), G(x)]$*   
     ◊ D05 D35 F30 F35 ◊
- NEPEJVODA, N.N. *Level Beth models and realizability (Russian)* ◊ F30 F50 ◊
- POGORZELSKI, H.A. *Semisemiological structure of the prime numbers and conditional Goldbach theorems*  
     ◊ F30 ◊
- SCHWICHTENBERG, H. *Proof theory: Some applications of cut-elimination* ◊ F05 F10 F15 F30 F35 F98 ◊
- SEMEONOV, A.L. *Presburgerness of predicates regular in two number systems (Russian)* ◊ B10 D20 F30 ◊
- SHIRAI, K. *A relation between transfinite induction and mathematical induction in elementary number theory*  
     ◊ F15 F30 ◊
- SHOSTAK, R.E. *On the SUP-INF method for proving Presburger formulas* ◊ B25 B35 F30 ◊
- SMORYNSKI, C.A.  $\omega$ -consistency and reflection ◊ F30 ◊
- SMORYNSKI, C.A. *The incompleteness theorems*  
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- SORNIKOV, YA.A. *On quantifier-free  $\varepsilon_0$ -recursive arithmetic (Russian) (English summary)*  
     ◊ F15 F30 ◊
- TAKAHASHI, MOTO-O *A foundation of finite mathematics*  
     ◊ F30 ◊
- TAKAHASHI, MOTO-O *An abstract form of Goedel's theorem on consistency and Loeb's* ◊ F30 ◊
- TOMAS, F. *A free formalism for the general recursive arithmetic (Spanish)* ◊ F30 ◊
- TROELSTRA, A.S. *Aspects of constructive mathematics*  
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- URSINI, A. *A sequence of theories for arithmetic whose union is complete* ◊ C62 F30 ◊
- YANOV, YU.I. *Computations in a class of programs (Russian)* ◊ B75 D20 F30 ◊
- YUKAMI, T. *A theorem on the formalized arithmetic with function symbols 'and +'* ◊ F20 F30 ◊
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- BUCHHOLZ, W. & POHLERS, W. *Provable well orderings of formal theories for transfinitely iterated inductive definitions* ◊ F15 F30 F35 F50 ◊
- CELLUCCI, C. *Teoria della dimostrazione. Normalizzazioni e assegnazioni di numeri ordinali*  
     ◊ F05 F07 F15 F30 F98 ◊
- FRIEDMAN, H.M. *Classically and intuitionistically provably recursive functions* ◊ B15 D20 E70 F30 F50 ◊
- GOODMAN, NICOLAS D. *The nonconstructive content of sentences of arithmetic*  
     ◊ D20 D30 D55 F30 F50 ◊
- KANOVICH, M.I. *An estimate of the complexity of arithmetic incompleteness (Russian)*  
     ◊ D15 F20 F30 ◊
- KIRBY, L.A.S. & PARIS, J.B.  *$\Sigma_n$ -collection schemas in arithmetic* ◊ C62 F30 ◊
- KUZICHEV, A.S. *A theorem on the consistency of formal arithmetic (Russian)* ◊ B40 F05 F30 ◊
- KUZICHEV, A.S. *Formal arithmetic in combinatorially complete systems I,II (Russian) (English summary)*  
     ◊ B40 F05 F30 ◊
- KUZICHEV, A.S. *On the consistency of formal arithmetic (Russian)* ◊ B40 F30 ◊
- LEVITZ, H. *An ordinal bound for the set of polynomial functions with exponentiation*  
     ◊ D15 D20 E07 E10 F15 F30 ◊
- LIPTON, R.J. *Model theoretic aspects of computational complexity* ◊ C62 D15 F30 F65 H15 ◊
- LOVELAND, D.W. & REDDY, C.R. *Presburger arithmetic with bounded quantifier alternation*  
     ◊ B25 C10 D15 F20 F30 ◊
- MCALOON, K. *Completeness theorems, incompleteness theorems and models of arithmetic*  
     ◊ C25 C62 F30 ◊
- MCALOON, K. *Diagonal methods and strong cuts in models of arithmetic* ◊ C57 C62 D80 F30 ◊
- MLCEK, J. *End-extensions of countable structures and the induction schema* ◊ C15 C62 F30 ◊
- MONTAGNA, F. *On the algebraization of a Feferman's predicate (the algebraization of theories, which express Theor. X)* ◊ C05 F30 G05 G25 ◊
- OPPEN, D.C. *A  $2^{2^m}$  upper bound on the complexity of Presburger arithmetic* ◊ B25 C10 D15 F30 ◊
- PARIS, J.B. *Note on an induction axiom*  
     ◊ B28 C62 F30 ◊
- PARIS, J.B. *Some independence results for Peano arithmetic* ◊ C62 F30 ◊
- PARLAMENTO, F. *Sui sistemi metaformali e le progressioni ricorsive di teorie* ◊ F15 F30 ◊
- PARLAMENTO, F. *Sulla completezza della  $\omega$ -regola (English summary)* ◊ F20 F30 ◊
- PRIDA, J.F. *Una nueva prueba del teorema de incompletitud de la aritmética* ◊ F30 ◊

- RYAN, W.J. *Goedel's second incompleteness theorem for general recursive arithmetic* ◊ D20 F30 ◊  
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 TAKEUTI, G. *Two applications of logic to mathematics* ◊ B98 C90 E40 E75 F05 F30 F35 G12 ◊  
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 WILKIE, A.J. *Some results and problems on weak systems of arithmetic* ◊ C62 F30 H15 ◊  
 YUKAMI, T. *A note on a formalized arithmetic with function symbols 'and +'* ◊ F20 F30 ◊  
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- KANOVICH, M.I. *A complexity version of Goedel's incompleteness theorem* ◊ D15 F20 F30 ◊  
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- WOEHL, K. *Zur Komplexitaet der Presburger Arithmetik und des Aequivalenz-Problems einfacher Programme* ◇ B25 B75 D15 F20 F30 ◇
- ZINOV'EV, A.A. *Complete (rigorous) induction & Fermat's great theorem* ◇ F30 ◇
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- BENDA, M. *On strong axioms of induction in set theory and arithmetic* ◇ E35 F30 ◇
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- BOOLOS, G. *On systems of modal logic with provability interpretations* ◇ B45 F30 ◇
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- DETLEFSEN, M. *On a theorem of Feferman* ◇ A05 F25 F30 ◇
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- DRAGALIN, A.G. *New forms of realizability and Markov's rule (Russian)* ◇ F30 F50 ◇
- DRIES VAN DEN, L. *Some model theory and number theory for models of weak systems of arithmetic* ◇ B25 C62 F30 H15 ◇
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- KIRBY, L.A.S. *La méthode des indicatrices et le théorème d'incomplétude* ◇ C62 F30 ◇
- KUZICHEV, A.A. & KUZICHEV, A.S. *On the embedding of formal arithmetic in combinatorially complete systems (Russian)* ◇ B40 F05 F30 ◇
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- LASCAR, D. *Une indicatrice de type "Ramsey" pour l'arithmétique de Peano et la formule de Paris-Harrington* ◇ C62 F30 ◇
- LEVANT, D. *Innocuous substitutions* ◇ F30 F50 ◇
- MACINTYRE, A. *Ramsey quantifiers in arithmetic* ◇ C62 C80 F30 F35 ◇
- MANEVITZ, L.M. & STAVI, J.  *$\Delta_0^2$  operators and alternating sentences in arithmetic* ◇ C62 F30 H15 ◇

- MCALOON, K. *Les rapports entre la méthode des indicatrices et la méthode de Goedel pour obtenir des résultats d'indépendance* ◇ C62 E35 F30 ◇
- MCALOON, K. (ED.) *Modèles de l'arithmétique* ◇ C62 C97 F30 ◇
- MCALOON, K. *Progressions transfinies de théories axiomatiques, formes combinatoires du théorème d'incomplétude et fonctions récursives à croissance rapide* ◇ C62 D20 F15 F30 ◇
- MILLS, G. *A tree analysis of unprovable combinatorial statements* ◇ F30 ◇
- MISERCQUE, D. *Sur le treillis distributif des  $\forall_1$ -formules fermées de l'arithmétique de Peano (English summary)* ◇ B20 F30 G10 ◇
- MIYATAKE, T. *On the length of proofs in formal systems* ◇ F20 F30 ◇
- MONTAGNA, F. *Interpretations of the first-order theory of diagonalizable algebras in Peano arithmetic* ◇ F30 G25 ◇
- PAEPINGHAUS, P. *A version of the  $\Sigma_1$ -reflection principle for CFA provable in PRA* ◇ F30 F35 ◇
- PARIS, J.B. *A hierarchy of cuts in models of arithmetic* ◇ C15 C62 F30 ◇
- SAMBIN, G. & VALENTINI, S. *A modal sequent calculus for a fragment of arithmetic* ◇ B45 F05 F30 ◇
- SIMMONS, H. *The lattice of universal sentences modulo Peano arithmetic* ◇ F30 G10 ◇
- SMORYNSKI, C.A. *Calculating self-referential statements* ◇ B45 F30 G25 ◇
- STEIN, M. *Interpretations of Heyting's arithmetic - An analysis by means of a language with set symbols* ◇ F10 F30 F50 ◇
- TOSI, P. *Normal derivability and first-order arithmetic* ◇ F05 F30 F50 ◇
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- VISSEUR, A. *Numerations,  $\lambda$ -calculus & arithmetic* ◇ B40 D45 F30 ◇
- WETTE, E. *Inconsistenza dell'induzione matematica* ◇ F30 ◇
- WILKIE, A.J. *Applications of complexity theory to  $\Sigma_0$ -definability problems in arithmetic* ◇ C62 D15 F30 ◇
- YASUGI, M. *Gentzen reduction revisited* ◇ F05 F15 F30 F35 ◇
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- ABRUSCI, V.M. *Due note sul principio di induzione matematica* ◇ A10 F30 ◇
- ACZEL, P. *Two notes on the Paris independence result I: A generalization of Ramsey's theorem. II: The ordinal height of a density* ◇ C62 E05 F15 F30 ◇
- BELLISSIMA, F. & MIROLI, M. *Metodi algebrici nella teoria della dimostrazione* ◇ F30 ◇
- BERLINE, C. & MCALOON, K. & RESSAYRE, J.-P. (EDS.) *Model theory and arithmetic. Comptes rendus d'une action thématique programmée du C.N.R.S. sur la*

- theorie des modeles et l'arithmetique*  
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- BERNARDI, C. *On the relation provable equivalence and on partitions in effectively inseparable sets*  
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- CEGIELSKI, P. *Theorie elementaire de la multiplication des entiers naturels* ◇ B25 C10 C80 F30 ◇
- CELLUCCI, C. *Proof theory and theory of meaning*  
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- CHARLESWORTH, A. *A proof of Goedel's theorem in terms of computer programs* ◇ D10 F30 ◇
- CHRISTIAN, C.C. *Das rekursive Inaccessibilitaetstheorem und der Goedelsche Unvollstaendigkeitssatz in ihrer Bedeutung fuer die Informatik*  
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- CLOTE, P. *Anti-basis theorems and their relation to independence results in Peano arithmetic*  
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- ERDOES, P. & MILLS, G. *Some bounds for the Ramsey-Paris-Harrington numbers* ◇ F30 ◇
- ESAKIA, L.L. *Diagonal constructions, the Loeb formula and rarefied Cantor spaces* ◇ F30 ◇
- GALVAN, S. *Nota sull'aritmetica formalizzata di Peano (Dimostrazione del piccolo teorema di Fermat mediante una procedura ristretta ai numerali)* ◇ A10 F30 ◇
- GIRARD, J.-Y. & PAEPINGHAUS, P. *A result on implications of  $\Sigma_1$ -sentences and its application to normal form theorems* ◇ F05 F30 F35 ◇
- GURARI, E.M. & IBARRA, O.H. *The complexity of the equivalence problem for two characterizations of Presburger sets* ◇ B25 D05 D15 F30 ◇
- HAJEK, P. *Completion closed algebras and models of Peano arithmetic* ◇ C62 F30 ◇
- HAJEK, P. *On interpretability in theories containing arithmetics II* ◇ B28 B45 F25 F30 ◇
- HELLMAN, GEOFFREY *How to Goedel a Frege-Russell: Goedel's incompleteness theorems and logicism*  
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- IBARRA, O.H. & LEININGER, B.S. *Characterizations of Presburger functions* ◇ D20 F30 ◇
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- JOSEPH, D. & YOUNG, P. *A survey of some recent results on computational complexity in weak theories of arithmetic*  
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- KETONEN, J. & SOLOVAY, R.M. *Rapidly growing Ramsey functions* ◇ F30 ◇
- KOGAN-BERNSHTEIJN, L.M. *Simplification of Gentzen's reductions in classical arithmetic (Russian)*  
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- KOSOVSKIJ, N.K. *Elements of mathematical logic and its applications to the theory of subrecursive algorithms (Russian)* ◇ B98 D20 D98 F30 F60 F98 ◇
- KOSSAK, R. & PARIS, J.B. *Subsets of models of arithmetic*  
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- KURATA, R. *The reflection principle, transfinite induction, and the Paris-Harrington principle (Japanese)*  
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- KUZICHEV, A.S. *Arithmetic theories constructed on the basis of  $\lambda$ -conversion (Russian)* ◇ B40 F30 ◇
- LEIVANT, D. *Implicational complexity in intuitionistic arithmetic* ◇ F30 F50 ◇
- LEIVANT, D. *On the proof theory of the modal logic for arithmetic provability* ◇ B45 F05 F30 ◇
- MCALOON, K. & RESSAYRE, J.-P. *Les methodes de Kirby-Paris et la theorie des ensembles*  
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- MIYATAKE, T. *On the length of proofs in a formal system of recursive arithmetic* ◇ F20 F30 ◇
- NADEL, M.E. *The completeness of Peano multiplication*  
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WILMERS, G.M. *Bounded existential induction*  
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- APT, K.R. *Infinitistic rules of proof and their semantics (Russian summary)* ♦ C62 F07 F35 ♦  
 BELYAKIN, N.V. *Generalized computations (Russian)* ♦ F35 ♦  
 BOWEN, K.A. *Cut elimination in transfinite type theory* ♦ B15 F05 F35 ♦  
 FRIEDMAN, H.M. *Countable models of set theories* ♦ C15 C62 E45 F35 H20 ♦  
 FRIEDMAN, H.M. *Some applications of Kleene's methods for intuitionistic systems* ♦ F35 F50 ♦  
 GIRARD, J.-Y. *Quelques resultats sur les interpretations fonctionnelles* ♦ F10 F35 F50 ♦  
 HOWARD, W.A. *Appendix: Hereditarily majorizable functionals of finite type* ♦ E25 F10 F35 F50 ♦  
 HUET, G. *The undecidability of unification on third order logic* ♦ B15 F35 ♦  
 LEVIN, A.M. *Some applications of truth definitions (Russian) (English summary)* ♦ E35 E70 F35 ♦  
 LUCKHARDT, H. *Extensional Goedel functional interpretation. A consistency proof of classical analysis* ♦ F10 F35 F50 F98 ♦  
 MARTIN-LÖF, P. *Hauptsatz for intuitionistic simple type theory* ♦ B15 F05 F35 F50 ♦  
 MOSCHOVAKIS, J.R. *A topological interpretation of second-order intuitionistic arithmetic* ♦ F35 F50 ♦  
 NEPEJVODA, N.N. *A new concept of predicative truth and definability (Russian)* ♦ F35 F65 ♦  
 NEPEJVODA, N.N. *On a generalization of the Kleene-Mostowski hierarchy (Russian)* ♦ D55 F15 F35 ♦  
 OSSWALD, H. *Ein syntaktischer Beweis fuer die Zuverlaessigkeit der Schnittregel im Kalkuel von Schuette fuer die intuitionistische Typenlogik* ♦ F05 F35 F50 ♦  
 PIETRZYKOWSKI, T. *A complete mechanization of second-order type theory* ♦ B15 B35 F35 ♦  
 POHLERS, W. *Ein starker Normalisationssatz fuer die intuitionistische Typentheorie* ♦ F05 F35 F50 ♦  
 SCARPELLINI, B. *On barinduction of higher types for decidable predicates* ♦ F35 F50 ♦  
 STAPLES, J. *Combinator realizability of constructive finite type analysis* ♦ B40 F35 F50 ♦  
 TAKEUTI, G. & YASUGI, M. *The ordinals of the systems of second order arithmetic with the provably  $\Delta_2^1$ -comprehension axiom and with the  $\Delta_2^1$ -comprehension axiom respectively* ♦ F05 F15 F35 ♦  
 TITANI, S. *A proof of the cut-elimination theorem in simple type theory* ♦ B15 F05 F35 ♦

- TROELSTRA, A.S. *Intuitionistic formal systems*  
 ◇ F30 F35 F50 ◇
- TROELSTRA, A.S. (ED.) *Metamathematical investigation of intuitionistic arithmetic and analysis*  
 ◇ F05 F10 F30 F35 F50 F55 F98 ◇
- TROELSTRA, A.S. *Models and computability*  
 ◇ F05 F10 F30 F35 F50 ◇
- TROELSTRA, A.S. *Normalization theorems for systems of natural deduction* ◇ F05 F30 F35 F50 ◇
- TROELSTRA, A.S. *Notes on intuitionistic second order arithmetic* ◇ F35 F50 ◇
- TROELSTRA, A.S. *Realizability and functional interpretations* ◇ F10 F30 F35 F50 ◇
- ZUCKER, J.I. *Iterated inductive definitions, trees, and ordinals* ◇ F10 F15 F35 ◇
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- ANDREWS, P.B. *Provability in elementary type theory*  
 ◇ B15 B25 D35 F35 ◇
- ANDREWS, P.B. *Resolution and the consistency of analysis*  
 ◇ B15 F05 F25 F35 ◇
- APT, K.R. & MAREK, W. *Second order arithmetic and related topics* ◇ C62 D55 E45 F25 F35 ◇
- BARENDEGT, H.P. *Pairing without conventional restraints* ◇ B40 F35 ◇
- BELYAKIN, N.V. *Generalized computations, and third order arithmetic (Russian)* ◇ D65 F35 ◇
- BILY, J. & BUKOVSKY, L. *On expansion of  $\beta$ -models*  
 ◇ C62 E25 E40 E70 F35 ◇
- BOWEN, K.A. *Systems of transfinite type theory based on intuitionistic and modal logics*  
 ◇ B15 F05 F35 F50 ◇
- DALEN VAN, D. *A model for HAS. A topological interpretation of the theory of species of natural numbers* ◇ F35 F50 ◇
- DILLER, J. & NAHM, W. *Eine Variante zur Dialectica-Interpretation der Heyting-Arithmetik endlicher Typen* ◇ F10 F35 F50 ◇
- DRAGALIN, A.G. *Constructive model of intuitionistic analysis (Russian)* ◇ F35 F50 ◇
- GABBAY, D.M. *On 2nd order intuitionistic propositional calculus with full comprehension* ◇ F35 F50 ◇
- GUZICKI, W. *Elementary extensions of Levy's model of  $A_2^-$*  ◇ C55 C62 C80 E25 E35 E40 F35 ◇
- KOLODZIEJ, R. *Reducibility of formulae of weak second order arithmetic to pseudo-canonical forms I,II,III*  
 ◇ F35 ◇
- KREISEL, G. & TAKEUTI, G. *Formally self-referential propositions for cut free classical analysis and related systems* ◇ F05 F35 ◇
- KREJNOVICH, V.YA. *From what does the law of the excluded middle follow? (Russian) (English summary)*  
 ◇ F35 F50 ◇
- LUKAS, J.D. & PUTNAM, H. *Systems of notations and the ramified analytical hierarchy*  
 ◇ D30 D55 E45 F15 F35 ◇
- MYHILL, J.R. *Embedding classical type theory in "intuitionistic" type theory, a correction*  
 ◇ B15 F35 F50 ◇
- PERRIN, M.J. & ZALC, A. *Sous-systèmes bicommutables d'analyse et de théorie des ensembles*  
 ◇ E25 E30 F25 F35 ◇
- ROBERTSON, E.L. *Structure of complexity in the weak monadic second-order theories of the natural numbers*  
 ◇ D15 D55 F35 ◇
- SAKAI, H. *On necessary but not-sufficient conditions*  
 ◇ B10 F30 F35 G05 ◇
- STAPLES, J. *Combinator realizability of constructive Morse theory* ◇ B40 F35 F50 ◇
- TANAKA, H. *Some analytical rules of inference in the second-order arithmetic* ◇ C62 D55 F35 ◇
- TROELSTRA, A.S. *Note on the fan theorem*  
 ◇ F30 F35 F50 ◇
- UMEZAWA, T. *Disjunction property in higher order number theory with intuitionistic rules of inference I*  
 ◇ F05 F35 F50 ◇
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- BUCHHOLZ, W. *Ein ausgezeichnetes Modell fuer die intuitionistische Typenlogik* ◇ B15 F05 F35 F50 ◇
- DILLER, J. & VOGEL, HELMUT *Intensionale Funktionalinterpretation der Analysis*  
 ◇ F10 F35 F50 ◇
- FEFERMAN, S. *A language and axioms for explicit mathematics* ◇ D55 F35 F50 F65 ◇
- FERRANTE, J. & RACKOFF, C.W. *A decision procedure for the first order theory of real addition with order*  
 ◇ B25 C10 C60 D15 F35 ◇
- FRIEDMAN, H.M. *Some systems of second order arithmetic and their use* ◇ E30 F35 ◇
- HANATANI, Y. *Calculability of the primitive recursive functionals of finite type over the natural numbers*  
 ◇ D65 F10 F35 F50 ◇
- INOUE, K. & NAKAMURA, A. *On the expressive power of logical metalanguages  $I^n$  and  $I_+$*  ◇ B15 F35 ◇
- KANOVAJ, V.G. *On the independence of some propositions of descriptive set theory and second-order arithmetic (Russian)* ◇ D55 E15 E35 F35 ◇
- KREISEL, G. *Observations on a recent generalization of completeness theorems due to Schutte*  
 ◇ A05 C07 C57 F05 F20 F35 F50 ◇
- LEVIN, A.M. *A comparison of various forms of the axiom of choice in classical analysis (Russian)*  
 ◇ E25 E35 F35 ◇
- LEVIN, A.M. *The axiom of choice in classical analysis (Russian) (English summary)*  
 ◇ B30 E15 E25 E35 E75 F35 ◇
- LUCKHARDT, H. *The real elements in a consistency proof for simple type theory I* ◇ F10 F35 F50 ◇
- MAREK, W. & SREBRNY, M. *No minimal transitive model of  $Z^-$*  ◇ C62 E30 E70 F35 ◇
- MARTIN-LOEF, P. *About models for intuitionistic type theories and the notion of definitional equality*  
 ◇ B40 F35 F50 ◇
- MARTIN-LOEF, P. *An intuitionistic theory of types: predicative part* ◇ F05 F35 F50 ◇
- MINTS, G.E. *Finite investigations of transfinite derivations (Russian) (English summary)*  
 ◇ F05 F07 F10 F20 F30 F35 F50 ◇

- MINTS, G.E. *Proof theory (arithmetic and analysis) (Russian)* ♦ F05 F10 F30 F35 F50 F98 ♦  
 NAGATA, M. & NAKANISHI, M. & NISHIMURA, T. *TKP 1.2 - the extension of TKP 1 by adding some facilities* ♦ B35 F35 ♦  
 POHLERS, W. *An upper bound for the provability of transfinite induction in systems with N-times iterated inductive definitions* ♦ F15 F35 F50 ♦  
 SCHWICHTENBERG, H. *Elimination of higher type levels in definitions of primitive recursive functionals by means of transfinite recursion* ♦ C75 F10 F15 F35 F50 ♦  
 SIEFKES, D. *The recursive sets in certain monadic second order fragments of arithmetic* ♦ D20 F35 ♦  
 TAIT, W.W. *A realizability interpretation of the theory of species* ♦ D65 F05 F35 F50 ♦  
 TAKEUTI, G. *Proof theory*  
 ♦ F05 F07 F30 F35 F98 ♦  
 THOMAS, WOLFGANG *A note on undecidable extensions of monadic second order successor arithmetic*  
 ♦ D35 F35 ♦  
 TOLEDO, S. *Tableau systems for first order number theory and certain higher order theories*  
 ♦ F05 F07 F30 F35 F98 ♦  
 TROELSTRA, A.S. *Markov's principle and Markov's rule for theories of choice sequences* ♦ F35 F50 ♦  
 UMEZAWA, T. *Disjunction property in higher order number theory with intuitionistic rules of inference II*  
 ♦ F05 F35 F50 ♦

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- APT, K.R. *Semantics of the infinitistic rules of proof*  
 ♦ C62 D55 E45 F07 F35 ♦  
 BERNINI, S. *A very strong intuitionistic theory*  
 ♦ F35 F50 ♦  
 CHRISTIAN, C.C. *Peano-Systeme* ♦ B28 F30 F35 ♦  
 DRAGALIN, A.G. *Cut-elimination in the theory of definable sets of natural numbers (Russian)* ♦ F05 F35 F65 ♦  
 FRIEDMAN, H.M. *Uniformly defined descending sequences of degrees* ♦ D30 D55 F30 F35 ♦  
 GIRARD, J.-Y. *Three-valued logic and cut-elimination: The actual meaning of Takeuti's conjecture*  
 ♦ B50 C85 C90 F05 F35 F50 ♦  
 GOODMAN, NICOLAS D. *The theory of the Goedel functionals* ♦ F10 F35 F50 ♦  
 GUZICKI, W. *On weaker forms of choice in second order arithmetic* ♦ E25 E35 F35 ♦  
 JONGH DE, D.H.J. & SMORYNSKI, C.A. *Kripke models and the intuitionistic theory of species* ♦ C90 F35 F50 ♦  
 KANOVAJ, V.G. *Definability with the help of degrees of constructibility (Russian)* ♦ E25 E35 E45 F35 ♦  
 KREISEL, G. *Wie die Beweistheorie zu ihren Ordinalzahlen kam und kommt* ♦ F05 F15 F30 F35 ♦  
 KROL', M.D. *The topological models of intuitionistic analysis. One counter-example (Russian)*  
 ♦ C90 F35 F50 ♦  
 MAASS, W. *Eine Funktionalinterpretation der praedikativen Analysis* ♦ D20 F10 F35 F65 ♦  
 MAREK, W. & SREBRNY, M. *Urelements and extendability*  
 ♦ C62 E30 E70 F25 F30 F35 ♦  
 MEYER, R.K. *Ackermann, Takeuti, und Schnitt:  $\gamma$  for higher-order relevant logic* ♦ B46 F05 F35 ♦

- MINTS, G.E. *What can be done with PRA (Russian) (English summary)* ♦ F05 F30 F35 ♦  
 NISHIMURA, T. *On cut-elimination in simple type theory (on the work of Moto-o Takahashi, winner of the third Mathematical Society Prize) (Japanese)* ♦ F05 F35 ♦  
 POSY, C.J. *Varieties of indeterminacy in the theory of general choice sequences* ♦ F35 F50 ♦  
 VOGEL, HELMUT *Ein starker Normalisationssatz fuer die bar-rekursiven Funktionale* ♦ F10 F35 ♦  
 ZARACH, A. *Generic extension of admissible sets*  
 ♦ C62 E25 E35 F35 ♦

**1977**

- ACZEL, P. *The strength of Martin-Loef's intuitionistic type theory with one universe* ♦ F35 F50 ♦  
 ARTIGUE, M. & ISAMBERT, E. *Quelques resultats de bicommutabilite en arithmetique du troisieme ordre (English summary)* ♦ E30 F25 F35 ♦  
 BEESON, M.J. *Principles of continuous choice and continuity of functions in formal systems for constructive mathematics* ♦ F35 F50 ♦  
 BERNINI, S. *Interpretazione intuizionista di teorie a logica classica; una particolare applicazione del metodo della traduzione negativa via concetti empirici e anomici (lawless)* ♦ F35 F50 ♦  
 DALEN VAN, D. *The use of Kripke's schema as a reduction principle* ♦ F35 F50 ♦  
 DRAGALIN, A.G. *Cut-elimination in the theory of definable sets of natural numbers (Russian)* ♦ F05 F35 F65 ♦  
 FEFERMAN, S. *Theories of finite type related to mathematical practice*  
 ♦ B15 D55 D65 F10 F15 F35 F98 ♦  
 HAYASHI, S. *On derived rules of intuitionistic second order arithmetic* ♦ F05 F35 F50 ♦  
 HAYASHI, S. *Some derived rules of intuitionistic second order arithmetic* ♦ F05 F35 F50 ♦  
 KROL', M.D. *Disjunctive and existential properties of intuitionistic analysis with Kripke's scheme (Russian)*  
 ♦ C90 F35 F50 ♦  
 LEVIN, A.M. *A conservative extension of formal mathematical analysis with a scheme of dependent choice (Russian)* ♦ E25 F35 ♦  
 LOPEZ-ESCOBAR, E.G.K. *Infinite rules in finite systems*  
 ♦ F30 F35 ♦  
 NABEBIN, A.A. *Expressibility in restricted second-order arithmetic (Russian)* ♦ B15 C40 D05 F35 ♦  
 NAKAMURA, A. & ONO, H. *Two-dimensional finite automata and their application to the decision problem of monadic first-order arithmetic  $A[P, F(x), G(x)]$*   
 ♦ D05 D35 F30 F35 ♦  
 SCARPELLINI, B. *A new realizability notion for intuitionistic analysis* ♦ F35 F50 ♦  
 SCHWICHTENBERG, H. *Proof theory: Some applications of cut-elimination* ♦ F05 F10 F15 F30 F35 F98 ♦  
 SIMPSON, S.G. *Degrees of unsolvability: A survey of results*  
 ♦ D25 D30 D35 F35 ♦  
 SIMPSON, S.G. *First order theory of the degrees of recursive unsolvability* ♦ D30 D35 F35 ♦  
 TROELSTRA, A.S. *A note on non-extensional operations in connection with continuity and recursiveness*  
 ♦ F35 F50 ♦

- TROELSTRA, A.S. *Aspects of constructive mathematics*  
◊ F30 F35 F50 F55 F60 F98 ◊
- TROELSTRA, A.S. *Axioms for intuitionistic mathematics incompatible with classical logic* ◊ A05 F35 F50 ◊
- TROELSTRA, A.S. *Choice sequences, a chapter of intuitionistic mathematics*  
◊ A05 A10 F35 F50 F55 F98 ◊
- TROELSTRA, A.S. *Some models for intuitionistic finite type arithmetic with fan functional* ◊ F35 F50 ◊
- TROELSTRA, A.S. *Special instances of generalized continuity which are conservative over intuitionistic arithmetic* ◊ F35 F50 ◊

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- ACZEL, P. *The type theoretic interpretation of constructive set theory* ◊ E70 F35 F50 ◊
- APT, K.R. *Inductive definitions, models of comprehension and invariant definability*  
◊ C40 C62 D55 D70 F35 ◊
- ARTIGUE, M. & ISAMBERT, E. & PERRIN, M.J. & ZALC, A. *Some remarks on bicommutability*  
◊ C62 E30 F25 F35 ◊
- BERNINI, S. *A note on my paper: "A very strong intuitionistic theory"* ◊ F35 F50 ◊
- BUCHHOLZ, W. & POHLERS, W. *Provable well orderings of formal theories for transfinitely iterated inductive definitions* ◊ F15 F30 F35 F50 ◊
- DALEN VAN, D. *An interpretation of intuitionistic analysis*  
◊ C90 F35 F50 ◊
- DELON, F. *Definition de l'arithmetique dans la theorie des anneaux de series formelles (English summary)*  
◊ C60 D35 F25 F35 ◊
- FRIEDMAN, H.M. *A proof of foundation from the axioms of cumulation* ◊ E30 F35 ◊
- GOODMAN, NICOLAS D. *Relativized realizability in intuitionistic arithmetic of all finite types*  
◊ F35 F50 ◊
- HABERTHUE, R. *Choice sequences and reduction processes* ◊ F05 F35 F50 ◊
- JERVELL, H.R. *Constructive universes. I*  
◊ F05 F15 F35 F50 ◊
- KANOVEJ, V.G. *The significance of the parameters and of the complexity of the basic formula in the comprehension axiom schema for second order arithmetic (Russian)*  
◊ F35 ◊
- KROL', M.D. *A topological model for intuitionistic analysis with Kripke's scheme* ◊ C90 F35 F50 ◊
- KROL', M.D. *Distinct variants of Kripke's scheme in intuitionistic analysis (Russian)* ◊ C90 F35 F50 ◊
- LEVIN, A.M. *A fragment of classical analysis (Russian) (English summary)* ◊ E25 E35 F35 ◊
- MAREK, W.  *$\omega$ -models of second order arithmetic and admissible sets* ◊ C62 E30 E45 F35 ◊
- MAREK, W. *Some comments on the paper by Artigue, Isambert, Perrin and Zalc: "Some remarks on bicommutability"* ◊ C62 E30 E45 F25 F35 ◊
- POHLERS, W. *Ordinals connected with formal theories for transfinitely iterated inductive definitions*  
◊ F05 F15 F35 ◊
- SCOTT, P.J. *The "Dialectica" interpretation and categories*  
◊ F10 F35 F50 G30 ◊

- STEEL, J.R. *Forcing with tagged trees*  
◊ C62 D30 D55 E40 F35 ◊
- TAKEUTI, G. *Two applications of logic to mathematics*  
◊ B98 C90 E40 E75 F05 F30 F35 G12 ◊
- TROELSTRA, A.S. *Appendix to D. van Dalen's "An interpretation of intuitionistic analysis"* ◊ F35 F50 ◊
- VOGEL, HELMUT *Eine beweistheoretische Anwendung partieller stetiger Funktionale* ◊ F10 F35 F50 ◊
- WENDEL, N. *The inconsistency of Bernini's very strong intuitionistic theory* ◊ B55 F35 F50 ◊
- YASUGI, M. *A formalization of Od( $\Omega$ )* ◊ F15 F35 ◊
- ZBIERSKI, P. *Axiomatizability of second order arithmetic with  $\omega$ -rule* ◊ B15 C62 E45 E70 F35 ◊

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- BEESON, M.J. *Goodman's theorem and beyond*  
◊ F35 F50 ◊
- DILLER, J. *Functional interpretations of Heyting's arithmetic in all finite types* ◊ F10 F35 F50 ◊
- DRAGALIN, A.G. *Mathematical intuitionism. Introduction to proof theory (Russian)*  
◊ F05 F30 F35 F50 F98 ◊
- FEFERMAN, S. *A more perspicuous system for predicativity*  
◊ F35 F65 ◊
- FOURMAN, M.P. & HYLAND, J.M.E. *Sheaf models for analysis* ◊ C65 C90 F35 F50 G10 G30 ◊
- FOURMAN, M.P. & SCOTT, D.S. *Sheaves and logic*  
◊ C90 C98 E70 F35 F50 G30 ◊
- GOLDBLATT, R.I. *Topoi. The categorial analysis of logic*  
◊ B98 C98 E98 F35 F50 F98 G30 ◊
- HOEVEN VAN DER, G.F. & TROELSTRA, A.S. *Projections of lawless sequences II* ◊ F35 F50 ◊
- JAEGER, G. & SCHUETTE, K. *Eine syntaktische Abgrenzung der ( $\Delta_1^1$ -CA)-Analysis* ◊ F15 F35 ◊
- KANOVEJ, V.G. *On descriptive forms of the countable axiom of choice (Russian)*  
◊ D55 E15 E25 E35 F35 ◊
- KANOVEJ, V.G. *The definability of forcing in analysis (Russian) (English summary)* ◊ D55 E40 F35 ◊
- LEVIN, A.M. *On an interesting axiomatic theory (Russian)*  
◊ B28 F35 ◊
- MINTS, G.E. *Normalisation of natural deduction and effectiveness of classical existence (Russian)*  
◊ F05 F10 F30 F35 ◊
- NAKAMURA, A. & ONO, H. *Undecidability of the first-order arithmetic  $A[P(x), 2x, x+1]$*   
◊ D05 D35 F30 F35 ◊
- NEPEJVODA, N.N. *Stable truth and computability (Russian)* ◊ C90 F35 F50 ◊
- SCHWABHAEUSER, W. *Non-finitizability of a weak second-order theory* ◊ B15 C62 C65 C85 F35 ◊
- SCHWICHTENBERG, H. *On bar recursion of types 0 and 1*  
◊ F10 F35 F50 ◊
- SCOTT, D.S. *Identity and existence in intuitionistic logic*  
◊ F35 F50 ◊
- SHVARTS, G.F. *Some extensions of intuitionistic type theory (Russian) (English summary)*  
◊ B15 F35 F50 ◊
- STEIN, M. *Interpretationen der Heyting-Arithmetik endlicher Typen* ◊ F10 F35 F50 ◊

- SVENONIUS, L. *Two kinds of extensions of primitive recursive arithmetic* ◊ D20 F30 F35 ◊  
 TROELSTRA, A.S. *On Ashvinikumar's principle of microscopic completeness* ◊ F35 F50 ◊  
 VOGEL, HELMUT *Über ein mit der Bar-Induktion verwandtes Schema* ◊ F10 F35 F50 ◊  
 WEINSTEIN, S. *Some applications of Kripke models to formal systems of intuitionistic analysis*  
     ◊ C90 F35 F50 ◊  
 ZASHEV, J.A. *On a stepwise semantic system with deductive understanding of the second order universal quantifier (Russian)* ◊ F35 ◊

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- COSTE-ROY, M.-F. & COSTE, M. & MAHE, L. *Contribution to the study of the natural number object in elementary topoi* ◊ D20 F35 F50 G30 ◊  
 DILLER, J. *Modified realization and the formulae-as-types notion* ◊ F05 F10 F30 F35 F50 ◊  
 DRAGALIN, A.G. *Higher-order predicate logic in the form of calculus realization (Russian)*  
     ◊ B15 F05 F35 F50 ◊  
 FRIEDMAN, H.M. *A strong conservative extension of Peano arithmetic* ◊ B28 F30 F35 ◊  
 FRIEDRICH, W. & LUCKHARDT, H. *Intuitionistic uniformity principles for propositions and some applications*  
     ◊ F35 F50 ◊  
 HAYASHI, S. *Derived rules related to a constructive theory of metric spaces in intuitionistic higher order arithmetic without countable choice* ◊ F35 F50 G30 ◊  
 HODGES, W. *Interpreting number theory in nilpotent groups* ◊ C25 C60 C62 F25 F35 ◊  
 HOWARD, W.A. *Ordinal analysis of terms of finite type*  
     ◊ F10 F15 F35 F50 ◊  
 HOWARD, W.A. *Ordinal analysis of bar recursion of type zero* ◊ F10 F15 F35 F50 ◊  
 JAMBU-GIRAUDET, M. *Theorie des modeles de groupes d'automorphismes d'ensembles totalement ordonnes 2-homogenes (English summary)*  
     ◊ C07 C60 C62 C65 D35 E07 F25 F35 ◊  
 KHAKHANYAN, V.KH. *The consistency of intuitionistic set theory with formal mathematical analysis (Russian)*  
     ◊ D20 E35 E70 F25 F35 F50 ◊  
 LAMBEK, J. *From types to sets* ◊ F35 F50 G30 ◊  
 LAMBEK, J. & SCOTT, P.J. *Intuitionist type theory and the free topos* ◊ F35 F50 G30 ◊  
 MACINTYRE, A. *Ramsey quantifiers in arithmetic*  
     ◊ C62 C80 F30 F35 ◊  
 NERODE, A. & SHORE, R.A. *Second order logic and first order theories of reducibility orderings*  
     ◊ B10 B15 D30 D35 F35 F40 ◊  
 PABION, J.F. *TT<sub>3</sub>I est équivalent à l'arithmétique du second ordre (English summary)* ◊ B15 F25 F35 ◊  
 PAEPINGHAUS, P. *A version of the Σ<sub>1</sub>-reflection principle for CFA provable in PRA* ◊ F30 F35 ◊  
 PRANK, R.K. *Semantics of realizability for a language with variables for recursively enumerable sets (Russian)*  
     ◊ B60 D25 F35 F50 ◊  
 SCHUETTE, K. *Beweistheoretische Abgrenzung von Teilsystemen der Analysis* ◊ F15 F35 ◊

- SCHULTZ, KONRAD *A topological model for Troelstra's system CS of intuitionistic analysis*  
     ◊ C90 E70 F35 F50 ◊  
 SHVARTS, G.F. *The existence property with parameters for some extensions of the intuitionistic theory of types (Russian)* ◊ F35 F50 ◊  
 TROELSTRA, A.S. *Extended bar induction of type zero*  
     ◊ F35 F50 ◊  
 TROELSTRA, A.S. *Intuitionistic extensions of the reals*  
     ◊ F35 F50 F55 ◊  
 VESLEY, R.E. *Intuitionistic analysis: the search for axiomatization and understanding*  
     ◊ A10 F35 F50 ◊  
 YASUGI, M. *A progression of consistency proofs*  
     ◊ F05 F15 F35 ◊  
 YASUGI, M. *Gentzen reduction revisited*  
     ◊ F05 F15 F30 F35 ◊
- 1981**
- BUCHHOLZ, W. & FEFERMAN, S. & POHLERS, W. &  
     SIEG, W. *Iterated inductive definitions and subsystems of analysis: recent proof-theoretical studies*  
     ◊ F05 F15 F35 F50 F98 ◊  
 BUCHHOLZ, W. *Ordinal analysis of ID<sub>v</sub>*  
     ◊ F15 F35 F50 ◊  
 BUCHHOLZ, W. & SCHUETTE, K. *Syntaktische Abgrenzungen von formalen Systemen der Π<sub>1</sub><sup>1</sup>-Analysis und Δ<sub>2</sub><sup>1</sup>-Analysis* ◊ F15 F35 ◊  
 BUCHHOLZ, W. *The Ω<sub>μ+1</sub>-rule*  
     ◊ F05 F15 F35 F50 ◊  
 FEFERMAN, S. & SIEG, W. *Inductive definitions and subsystems of analysis* ◊ F35 F50 ◊  
 FEFERMAN, S. & SIEG, W. *Proof-theoretic equivalence between classical and constructive theories for analysis*  
     ◊ F35 F50 ◊  
 GAVRILENKO, YU.V. *Recursive realizability from the intuitionistic point of view (Russian)* ◊ F35 F50 ◊  
 GIRARD, J.-Y. & PAEPINGHAUS, P. *A result on implications of Σ<sub>1</sub>-sentences and its application to normal form theorems* ◊ F05 F30 F35 ◊  
 GRAYSON, R.J. *Concepts of general topology in constructive mathematics and in sheaves*  
     ◊ C90 E35 E70 E75 F35 F50 F55 G30 ◊  
 GUZICKI, W. *The equivalence of definable quantifiers in second order arithmetic*  
     ◊ C30 C55 C62 C80 E40 E45 F35 ◊  
 HOWARD, W.A. *Computability of ordinal recursion of type level two* ◊ D20 F10 F15 F35 F50 ◊  
 HOWARD, W.A. *Ordinal analysis of simple cases of bar recursion* ◊ F10 F15 F35 F50 ◊  
 LAMBEK, J. & SCOTT, P.J. *Independence of premisses and the free topos* ◊ F35 F50 G30 ◊  
 LAMBEK, J. & SCOTT, P.J. *Intuitionist type theory and foundations* ◊ F35 F50 ◊  
 MOSCHOVAKIS, J.R. *A disjunctive decomposition theorem for classical theories* ◊ F35 F50 ◊  
 MOSTOWSKI, A.WŁODZIMIERZ *The complexity of automata and subtheories of monadic second order arithmetics* ◊ B15 B25 D05 D15 F35 ◊

- NEGRI, M. *L'aritmetizzazione della computabilità dei funzionali di tipo finito* ♦ F10 F35 F50 ♦
- PLIUSKEVICIUS, R. *On the Gentzen type proof theory for program analysis* ♦ B75 F07 F35 F50 ♦
- POHLERS, W. *Cut-elimination for impredicative infinitary systems I. Ordinal-analysis for ID<sub>1</sub>*  
♦ C75 F05 F15 F35 ♦
- POHLERS, W. *Proof-theoretical analysis of ID<sub>v</sub> by the method of local predicativity* ♦ F05 F15 F35 F50 ♦
- PRAWITZ, D. *Validity and normalizability of proofs in 1st and 2nd order classical and intuitionistic logic*  
♦ F05 F07 F35 F50 ♦
- REYES, G.E. *Logic and category theory*  
♦ F35 F50 G30 ♦
- SHORE, R.A. *The degrees of unsolvability: global results*  
♦ C40 D30 D35 F35 ♦
- SIEG, W. *Inductive definitions, constructive ordinals, and normal derivations* ♦ F05 F15 F35 F50 ♦
- STEIN, M. *A general theorem on existence theorems*  
♦ B40 F10 F35 F50 ♦
- TROELSTRA, A.S. *Lawless sequences and their uses*  
♦ F35 F50 ♦
- TROELSTRA, A.S. *On a second order propositional operator in intuitionistic logic* ♦ B55 F35 F50 ♦
- YAKUBOVICH, A.M. *On the consistency of the theory of types with the axiom of choice relative to type theory (Russian)* ♦ B15 E25 E35 F35 ♦
- YASUGI, M. *The Hahn-Banach theorem and a restricted inductive definition* ♦ F35 F65 ♦
- ZBIERSKI, P. *Nonstandard interpretations of higher order theories* ♦ C62 F35 H15 ♦
- ZHANG, JINWEN *Higher order and transfinite incompleteness (Chinese)* ♦ F35 ♦

**1982**

- ACZEL, P. *The type theoretic interpretation of constructive set theory: choice principles* ♦ E25 E70 F35 F50 ♦
- BESON, M.J. *Recursive models for constructive set theories* ♦ E70 F35 F50 ♦
- CANTINI, A. *Non-extensional theories of predicative classes over PA* ♦ F30 F35 ♦
- DALEN VAN, D. & LODDER, J.S. *Lawlessness and independence* ♦ F35 F50 ♦
- FEFERMAN, S. *Inductively presented systems and the formalization of meta-mathematics*  
♦ F30 F35 F40 ♦
- FEFERMAN, S. *Iterated inductive fixed-point theories: application to Hancock's conjecture*  
♦ F15 F35 F65 ♦
- FEFERMAN, S. *Monotone inductive definitions*  
♦ F35 F50 ♦
- FOURMAN, M.P. *Notions of choice sequence*  
♦ F35 F50 G30 ♦
- FRIEDMAN, H.M. & MCALOON, K. & SIMPSON, S.G. *A finite combinatorial principle which is equivalent to the l-consistency of predicative analysis*  
♦ F15 F35 F65 ♦
- GIRARD, J.-Y. *A survey of Π<sub>2</sub><sup>1</sup>-logic* ♦ F15 F35 ♦
- GIRARD, J.-Y. *Herbrand's theorem and proof-theory*  
♦ F05 F07 F10 F35 ♦
- GIRARD, J.-Y. *Proof-theoretic investigations of inductive definitions I* ♦ F05 F35 F50 ♦
- HAYASHI, S. *A note on the bar induction rule*  
♦ F35 F50 ♦
- HOEVEN VAN DER, G.F. *An application of projections of lawless sequences* ♦ F35 F50 ♦
- HOEVEN VAN DER, G.F. *Models for the theory of lawless sequences constructed from a single generator*  
♦ F35 F50 ♦
- HOEVEN VAN DER, G.F. *Projections of lawless sequences*  
♦ F35 F50 ♦
- HYLAND, J.M.E. *Applications of constructivity*  
♦ F35 F50 ♦
- HYLAND, J.M.E. *The effective topos*  
♦ D75 D80 F35 F50 G30 ♦
- JAEGER, G. *Iterating admissibility in proof theory*  
♦ F35 F50 ♦
- JAEGER, G. *Zur Beweistheorie der Kripke-Platek-Mengenlehre ueber den natuerlichen Zahlen* ♦ C70 E30 F15 F35 ♦
- JANSOHN, H.-S. & LANDWEHR, R. & WRIGHTSON, G. *An interactive proof system for higher order logic*  
♦ B15 B35 F35 ♦
- KOLETSOS, G. *A Goedel-functional interpretation of the ω-rule* ♦ F10 F35 ♦
- MARTIN-LOEF, P. *Constructive mathematics and computer programming* ♦ B75 F35 F50 ♦
- MOERDIJK, I. *Glueing topoi and higher-order disjunction and existence* ♦ F35 F50 G30 ♦
- POHLERS, W. *Admissibility in proof theory; a survey*  
♦ C70 F15 F35 F98 ♦
- POHLERS, W. *Cut elimination for impredicative infinitary systems II. Ordinal analysis for iterated inductive definitions* ♦ C75 F05 F15 F35 ♦
- SCEDROV, A. & SCOTT, P.J. *A note on the Friedman slash and Freyd covers* ♦ F35 F50 G30 ♦
- SCEDROV, A. *Independence of the fan theorem in the presence of continuity principles* ♦ F35 F50 G30 ♦
- SCHMERL, U.R. *A proof theoretical fine structure in systems of ramified analysis* ♦ F15 F35 F65 ♦
- SEELY, R.A.G. *Locally Cartesian closed categories and type theory I* ♦ B15 F35 F50 G30 ♦
- SIMPSON, S.G.  $\Sigma_1^1$  and  $\Pi_1^1$  transfinite induction ♦ F35 ♦
- SIMPSON, S.G. *Set theoretic aspects of ATR<sub>0</sub>*  
♦ C62 E30 F35 ♦
- STEPANOV, V.I. *Second-order arithmetic and the consistency of first-order theories (Russian)*  
♦ F30 F35 ♦
- TROELSTRA, A.S. *Intuitionistic extensions of the reals II*  
♦ F35 F50 F55 ♦
- WIELE VAN DE, J. *Recursive dilators and generalized recursions* ♦ D60 D65 F15 F35 ♦

**1983**

- ARZARELLO, F. *Un'interpretazione categoriale degli oggetti anomici* ♦ F35 F50 G30 ♦
- BELYAKIN, N.V. *A means of modeling a classical second-order arithmetic (Russian)*  
♦ B15 C62 D55 F35 ♦

- BOFFA, M. *Arithmetic and theory of types*  
     ◊ B15 C62 E70 F35 ◊
- BUCHHOLZ, W. & SCHUETTE, K. *Ein Ordinalzahlensystem fuer die beweistheoretische Abgrenzung der  $\Pi_2^1$ -Separation und Bar-Induktion* ◊ F15 F35 ◊
- CANTINI, A. *A note on the theory of admissible sets with  $\epsilon$ -induction restricted to formulas with one quantifier and related systems (Italian summary)*  
     ◊ C62 E30 E45 E70 F10 F15 F35 ◊
- FEFERMAN, S. & JAEGER, G. *Choice principles, the bar rule and autonomously iterated comprehension schemes in analysis* ◊ F15 F35 ◊
- FRIEDMAN, H.M. & SIMPSON, S.G. &  
     SMITH, RICK L. *Countable algebra and set existence axioms* ◊ E30 F35 ◊
- FRIEDMAN, H.M. & SCEDROV, A. *Set existence property for intuitionistic theories with dependent choice*  
     ◊ E70 F35 F50 ◊
- FRIEDMAN, H.M. *Unary Borel functions and second-order arithmetic* ◊ E30 E40 F35 ◊
- GRAYSON, R.J. *Forcing in intuitionistic systems without power-set* ◊ E40 E70 F35 F50 ◊
- GRAYSON, R.J. & MOERDIJK, I. *Some remarks on extending bar induction* ◊ F35 F50 ◊
- GUZICKI, W. *Definable quantifiers in second order arithmetic and elementary extensions of  $\omega$ -models*  
     ◊ C30 C55 C62 C80 E40 E50 F35 ◊
- HAYASHI, S. *Extracting Lisp programs from constructive proofs: a formal theory of constructive mathematics based on Lisp* ◊ B35 F35 F50 ◊
- HOEVEN VAN DER, G.F. & MOERDIJK, I. *On an independence result in the theory of lawless sequences*  
     ◊ F35 F50 ◊
- JAEGER, G. *A well ordering proof for Feferman's theory T<sub>0</sub>*  
     ◊ F15 F35 ◊
- JAEGER, G. & POHLERS, W. *Eine beweistheoretische Untersuchung von  $(\Delta_2^1\text{-CA}) + (BI)$  und verwandter Systeme* ◊ F15 F35 ◊
- KHAKHANYAN, V.KH. *Set theory and Church's thesis (Russian)* ◊ D20 E35 E70 F30 F35 F50 ◊
- KOVVTUN, M.R. *A system of intuitionistic analysis that is equivalent to classical analysis (Russian) (English summary)* ◊ F35 F50 ◊
- LAMBEK, J. & SCOTT, P.J. *New proofs of some intuitionistic principles* ◊ F35 F50 G30 ◊
- MOERDIJK, I. *On the Freyd cover of a topos*  
     ◊ F35 F50 G30 ◊
- NORMANN, D. *General type-structures of continuous and countable functionals* ◊ D55 D65 D75 F35 ◊
- PAEPINGHAUS, P. *Completeness properties of classical theories of finite type and the normal form theorem*  
     ◊ B15 F05 F35 ◊
- SCEDROV, A. & VESLEY, R.E. *On a weakening of Markov's principle* ◊ F35 F50 ◊
- SCHWICHTENBERG, H. *On Martin-Loef's theory of types*  
     ◊ B15 F35 F50 ◊
- SHVARTS, G.F. *Properties of effectiveness of logical connectives in the intuitionistic theory of types (Russian)*  
     ◊ F35 F50 ◊
- SMITH, JAN *The identification of propositions and types in Martin-Loef's type theory: a programming example*  
     ◊ B75 F35 F50 ◊
- TROELSTRA, A.S. *Analysing choice sequences*  
     ◊ A05 F35 F50 ◊
- TROELSTRA, A.S. *Definability of finite sum types in Martin-Loef's type theories* ◊ F35 F50 ◊
- WENDEL, N. *Kontextuelle Definition neuer Wahlfolgen*  
     ◊ F35 F50 ◊
- YASUGI, M. *Definability in  $L^p$ -spaces* ◊ F35 ◊
- 1984**
- ABRUSCI, V.M. *Recenti risultati e metodi nella teoria della dimostrazione: dilatatori,  $\beta$ -logica*  
     ◊ F15 F35 G30 ◊
- ARAI, T. *A subsystem of classical analysis proper to Takeuti's reduction method for  $\Pi_1^1$ -analysis* ◊ F35 ◊
- ARAI, T. *An accessibility proof of ordinal diagrams in intuitionistic theories for iterated inductive definitions*  
     ◊ F15 F35 F50 ◊
- BOFFA, M. *Arithmetic and the theory of types*  
     ◊ B15 F30 F35 ◊
- DALEN VAN, D. *How to glue analysis models*  
     ◊ C65 C90 F35 F50 ◊
- DILLER, J. & TROELSTRA, A.S. *Realizability and intuitionistic logic* ◊ A05 F30 F35 F50 ◊
- FARRINGTON, PADDY *The first-order theory of the c-degrees* ◊ D30 D35 E45 E55 F35 ◊
- FEFERMAN, S. *Between constructive and classical mathematics* ◊ A05 F35 F50 F55 ◊
- FOURMAN, M.P. *Continuous truth. I. Nonconstructive objects* ◊ A05 E70 F35 F50 G30 ◊
- FRIEDRICH, W. *Spielquantorinterpretation unstetiger Funktionale der hoeheren Analysis* ◊ F10 F35 ◊
- GIRARD, J.-Y. *The  $\Omega$ -rule* ◊ B15 C62 C75 F35 ◊
- GRAYSON, R.J. *Heyting-valued semantics*  
     ◊ B15 C90 F35 F50 G30 ◊
- HENSON, C.W. & KAUFMANN, M. & KEISLER, H.J. *The strength of nonstandard methods in arithmetic*  
     ◊ C62 E30 F30 F35 H05 H15 ◊
- HOEVEN VAN DER, G.F. & MOERDIJK, I. *Constructing choice sequences from lawless sequences of neighbourhood functions* ◊ C90 F35 F50 ◊
- HOEVEN VAN DER, G.F. & MOERDIJK, I. *On choice sequences determined by spreads*  
     ◊ D30 D55 F35 F50 G30 ◊
- HOEVEN VAN DER, G.F. & MOERDIJK, I. *Sheaf models for choice sequences* ◊ C90 F35 F50 G30 ◊
- JAEGER, G. *A version of Kripke-Platek set theory which is conservative over Peano arithmetic*  
     ◊ E30 F30 F35 ◊
- JAEGER, G. *The strength of admissibility without foundation* ◊ E30 F15 F35 ◊
- JENSEN, C.U. *Theorie des modeles pour des anneaux de fonctions entieres et des corps de fonctions meromorphes*  
     ◊ C60 C65 D35 F35 ◊
- KASHAPOVA, F.R. *Constructive set theory with types, and consistency with Church's thesis (Russian)*  
     ◊ D20 E70 F35 F50 ◊

- KASHAPOVA, F.R. *Determination of classes of constructively derivable theorems in a many-sorted intuitionistic set theory equivalent to second-order arithmetic (Russian)* ♦ F35 F50 ♦
- KRIVTSOV, V.N. *Deductive possibilities of intuitionistic analysis without negation (Russian)* ♦ F35 F50 ♦
- KRIVTSOV, V.N. *Imbedding of the intuitionistic theory of types into the negationless intuitionistic theory of types (Russian)* ♦ F35 F50 ♦
- LAMBEK, J. & SCOTT, P.J. *Aspects of higher order categorical logic* ♦ B15 F35 F50 G30 ♦
- MARTIN-LOEF, P. *Intuitionistic type theory. Notes by Giovanni Sambin of a series of lectures given in Padua, June 1980* ♦ F35 F50 F98 ♦
- MOERDIJK, I. *Heine-Borel does not imply the Fan theorem* ♦ C90 E35 F35 F50 G30 ♦
- MOERDIJK, I. & REYES, G.E. *Smooth spaces versus continuous spaces in models for synthetic differential geometry* ♦ F35 F50 G30 ♦
- NORDSTROEM, B. & SMITH, JAN *Propositions and specifications of programs in Martin-Löf's type theory* ♦ B75 F35 F50 ♦
- PEARCE, J. *A constructive consistency proof of a fragment of set theory* ♦ E30 E35 F05 F15 F35 ♦
- SCOWCROFT, P. *The real algebraic structure of Scott's model of intuitionistic analysis* ♦ B25 C90 F35 F50 ♦
- SEELY, R.A.G. *Locally Cartesian closed categories and type theory* ♦ F35 F50 ♦
- SIEG, W. *Foundations of analysis and proof theory* ♦ A10 F30 F35 F98 ♦
- SIMPSON, S.G. *Which set existence axioms are needed to prove the Cauchy/Peano theorem for ordinary differential equations?* ♦ E30 F35 ♦
- TOMAS, F. *Formally recursive arithmetic and analysis (Catalan)* ♦ F30 F35 ♦
- VETULANI, Z. *Ramified analysis and the minimal  $\beta$ -models of higher order arithmetics* ♦ C62 D55 E45 F35 F65 ♦
- 1985**
- ABRUSCI, V.M. *Bachmann collections. Gardens. Recent applications (Italian)* ♦ F15 F35 ♦
- ABRUSCI, V.M. *Uses of dilators: combinatorial problems and combinatorial results not provable in PA or in ID<sub>1</sub> (Italian)* ♦ F15 F30 F35 ♦
- ARAI, T. *A subsystem of classical analysis proper to Takeuti's reduction method for  $\Pi$ -analysis* ♦ F05 F35 ♦
- BARR, M. & WELLS, C. *Toposes, triples and theories* ♦ C98 E98 F35 F50 G30 ♦
- BAUVAL, A. *Polynomial rings and weak second-order logic* ♦ C60 C85 F35 ♦
- BEZEM, M. *Strongly majorizable functionals of finite type: A model for barrecursion containing discontinuous functionals* ♦ F10 F35 F50 ♦
- CANTINI, A. *A note on a predicatively reducible theory of iterated elementary induction (Italian summary)* ♦ F15 F35 ♦
- CONSTABLE, R.L. & MENDLER, N.P. *Recursive definitions in type theory* ♦ B15 F35 ♦
- FEFERMAN, S. *High-level programs and typed vs. untyped constructive foundations* ♦ A05 F35 F50 ♦
- FERBUS, M.-C. *Functorial bounds for cut elimination in  $L_{\beta\omega}$  II* ♦ F05 F35 ♦
- FRIEDRICH, W. *Goedelsche Funktionalinterpretation fuer eine Erweiterung der klassischen Analysis* ♦ F10 F35 F50 ♦
- GIRARD, J.-Y. & RESSAYRE, J.-P. *Elements de logique  $\Pi_n^1$*  ♦ D60 F15 F35 ♦
- GIRARD, J.-Y. *Introduction to  $\Pi_2^1$ -logic* ♦ E10 F15 F35 ♦
- HARNIK, V. *Stability theory and set existence axioms* ♦ C45 F35 ♦
- JANKOWSKI, A.W. & ZAWADOWSKI, M. *Sheaves over Heyting lattices* ♦ C90 F35 F50 G10 G30 ♦
- KOLETSOS, G. *Functional interpretation of the  $\beta$ -rule* ♦ F10 F30 F35 ♦
- PAEPPINGHAUS, P. *A typed  $\lambda$ -calculus and Girard's model of ptykes* ♦ B40 F10 F15 F35 ♦
- ROSENZWEIG, D. *Inductive definitions in  $ML_0$*  ♦ F35 ♦
- SCARPELLINI, B. *Lower bound results on lengths of second-order formulas* ♦ B15 C13 D10 F20 F35 ♦
- SCEDROV, A. *Extending Goedel's modal interpretation to type theory and set theory* ♦ B15 B45 E70 F35 F50 ♦
- SCHWICHTENBERG, H. *A normal form for natural deductions in a type theory with realizing terms* ♦ F05 F35 F50 ♦
- SIEG, W. *Fragments of arithmetic* ♦ F30 F35 ♦
- SIEG, W. *Reductions of theories for classical analysis* ♦ F35 ♦
- SIMPSON, S.G. *Friedman's research on subsystems of second order arithmetic* ♦ C62 C98 F35 F98 ♦
- SIMPSON, S.G. *Reverse mathematics* ♦ E30 F35 ♦
- STRAUSS, P. *Number-theoretic set theories* ♦ E70 F35 ♦
- TROELSTRA, A.S. *Choice sequences and informal rigour* ♦ A05 F35 F50 ♦

## F40 Goedel numberings in proof theory

- 1939**
- HILBERT, D. & BERNAYS, P. *Grundlagen der Mathematik II* ◊ A05 B98 F05 F15 F30 F40 F98 ◊
- 1957**
- SMULLYAN, R.M. *Languages in which self reference is possible* ◊ A05 B10 B28 F30 F40 ◊
- 1958**
- ROGERS JR., H. *Goedel numberings of partial recursive functions* ◊ D20 D45 F40 ◊
- 1960**
- FEFERMAN, S. *Arithmetization of metamathematics in a general setting* ◊ D55 F07 F25 F30 F40 ◊
- 1969**
- WAGNER, E.G. *Uniformly reflexive structures: on the nature of Goedelization and relative computability* ◊ B40 D45 D75 F40 ◊
- 1970**
- KLEINBERG, E.M. *Recursion theory and formal deducibility* ◊ D25 F07 F40 ◊
- 1973**
- HELM, J.P. & MEYER, A.R. & YOUNG, P. *On orders of translations and enumerations* ◊ D15 D20 D25 D45 F40 ◊
- 1977**
- CALUDE, C. *Une construction grammaticale des codages de Goedel* (English summary) ◊ F40 ◊
- 1978**
- CALUDE, C. *On the category of recursive languages* ◊ B03 D45 F40 G30 ◊
- MACHTEY, M. & WINKLmann, K. & YOUNG, P. *Simple Goedel numberings, isomorphisms, and programming properties* ◊ D05 D10 D15 D20 D45 F40 ◊
- 1980**
- NERODE, A. & SHORE, R.A. *Second order logic and first order theories of reducibility orderings* ◊ B10 B15 D30 D35 F35 F40 ◊
- 1981**
- SMORYNSKI, C.A. *Fifty years of self-reference in arithmetic* ◊ A10 F30 F40 ◊
- 1982**
- DAPUETO, C. *Sull' aritmetizzazione della sintassi del primo ordine* (French summary) ◊ B28 F30 F40 ◊
- FEFERMAN, S. *Inductively presented systems and the formalization of meta-mathematics* ◊ F30 F35 F40 ◊
- 1983**
- STREINU, I. *Grammar directed Goedel numberings* ◊ F40 ◊
- 1984**
- LONGO, G. & MOGGI, E. *Goedel numberings, principal morphisms, combinatory algebras* ◊ B40 F40 G30 ◊
- 1985**
- SOLOVAY, R.M. *Explicit Henkin sentences* ◊ F30 F40 ◊

## F50 Metamathematics of constructive systems

**1925**

KOLMOGOROV, A.N. *On the principle of excluded middle (Russian)* ◊ A05 F50 ◊

**1926**

LEVY, P. *Sur le principe du tiers exclu et sur les theoremes non susceptibles de demonstration* ◊ A05 F50 ◊

**1927**

BARZIN, M. & ERRERA, A. *Sur la logique de M.Brouwer* ◊ F50 ◊

LEVY, P. *Logique classique, logique Brouwerienne et logique mixte* ◊ A05 B55 F50 ◊

**1928**

BROUWER, L.E.J. *Intuitionistische Betrachtungen ueber den Formalismus* ◊ A05 F50 ◊

CHURCH, A. *On the law of excluded middle* ◊ A05 B05 F50 ◊

GLIVENKO, V.I. *Sur la logique de M. Brouwer* ◊ F50 ◊

LEVY, P. *Logique classique, logique Brouwerienne et logique mixte* ◊ A05 F50 ◊

REYMOND, A. *L'axiomatique logique et le principe du tiers exclu* ◊ A05 F50 ◊

WEYL, H. *Diskussionsbemerkungen zu dem zweiten Hilbertschen Vortrag ueber die Grundlagen der Mathematik* ◊ A05 F50 ◊

**1929**

BARZIN, M. & ERRERA, A. *Sur le principe du tiers exclu* ◊ A05 F50 ◊

GLIVENKO, V.I. *Sur quelques points de la logique de M.Brouwer* ◊ F50 ◊

**1930**

HEYTING, A. *Die formalen Regeln der intuitionistischen Logik* ◊ F50 ◊

HEYTING, A. *Die formalen Regeln der intuitionistischen Mathematik* ◊ F30 F35 F50 ◊

HEYTING, A. *Sur la logique intuitionniste* ◊ F50 ◊

**1931**

GOEDEL, K. *Eine Interpretation des intuitionistischen Aussagenkalkuels* ◊ A05 B45 F50 ◊

GOEDEL, K. *Zum intuitionistischen Aussagenkalkuel* ◊ F50 F55 ◊

HEYTING, A. *Die intuitionistische Grundlegung der Mathematik* ◊ A05 F50 F55 ◊

HILBERT, D. *Beweis des "tertium non datur"* ◊ A05 B28 F50 ◊

**1932**

BARZIN, M. & ERRERA, A. *Note sur la logique de M.Heyting* ◊ A05 F50 ◊

BARZIN, M. & ERRERA, A. *Sur la logique de M.Heyting* ◊ A05 F50 ◊

BARZIN, M. & ERRERA, A. *Sur la logique intuitionniste. Reponse a M.A.Heyting* ◊ A05 F50 ◊

GOEDEL, K. *Zur intuitionistischen Arithmetik und Zahlentheorie* ◊ F30 F50 ◊

HEYTING, A. *Anwendung der intuitionistischen Logik auf die Definition der Vollstaendigkeit eines Kalkuels* ◊ F50 ◊

KOLMOGOROV, A.N. *Zur Deutung der intuitionistischen Logik* ◊ A05 F50 ◊

**1933**

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YANKOV, V.A. *The relationship between deducibility in the intuitionistic propositional calculus and finite implicational structures (Russian)*  
 ◇ B55 F50 G25 ◇

YASUGI, M. *Intuitionistic analysis and Goedel's interpretation* ◇ F10 F35 F50 ◇

ZASLAVSKIJ, I.D. *Ueber gewisse Unterschiede zwischen den Basis- und den untergeordneten Variablen in logisch-mathematischen Sprachen (Russisch)* ◇ F50 ◇

## 1964

GRZEGORCZYK, A. *A philosophically plausible formal interpretation of intuitionistic logic* ◇ F50 ◇

HAO, K. *The location in the Kleene hierarchy of some fundamental predicates of constructive analysis (Chinese)* ◇ F50 ◇

IDEL'SON, A.V. *Calculi of constructive logic with subordinate variables (Russian)* ◇ F50 ◇

- MINTS, G.E. *On predicate and operator variants of the formation of theories of constructive mathematics* (Russian) ♦ F50 ♦
- NAGORNYJ, N.M. *On realizable and completable logico-arithmetical formulas* (Russian) ♦ F30 F50 ♦
- SHANIN, N.A. *Concerning the constructive interpretation of auxiliary formulas I* (Russian) ♦ F50 ♦
- VOROB'EV, N.N. *A constructive calculus of statements with strong negation* (Russian) ♦ B55 F50 ♦

**1965**

- HE, KEGANG *On the types of some basic predicates of constructive real number theory in the S.C.Kleene classifications* (Chinese) ♦ F50 F60 ♦
- KLEENE, S.C. *Classical extensions of intuitionistic mathematics* ♦ F35 F50 ♦
- KLEENE, S.C. *Logical calculus and realizability* ♦ F50 ♦
- KLEENE, S.C. & VESLEY, R.E. *The foundations of intuitionistic mathematics, especially in relation to recursive functions* ♦ F35 F50 F98 ♦
- KREISEL, G. *Mathematical logic* ♦ B98 F10 F35 F50 F98 ♦
- KRIPKE, S.A. *Semantical analysis of intuitionistic logic I* ♦ B55 C90 F50 ♦
- KURATA, R. *Recursive progression of intuitionistic number theories* ♦ F15 F30 F50 ♦
- KUZNETSOV, A.V. *Analogs of the "Sheffer stroke" in constructive logic* (Russian) ♦ F50 ♦
- LEBLANC, H. *Marginalia on Gentzen's Sequenzen-Kalkule* ♦ B10 F07 F50 ♦
- MASLOV, S.YU. & MINTS, G.E. & OREVKOV, V.P. *Unsolvability in the constructive predicate calculus of certain classes of formulas containing only monadic predicate variables* (Russian) ♦ B20 D35 F50 ♦
- OREVKOV, V.P. *Certain reduction classes and solvable classes of sequents for the constructive predicate calculus* (Russian) ♦ F50 ♦
- OREVKOV, V.P. *Unsolvability of the class of formulas of the type  $\neg\neg\forall\exists$  in the constructive predicate calculus* (Russian) ♦ F50 ♦
- PLIUSKEVICIUS, R. *A version of the constructive calculus of predicates without structural deduction rules* (Russian) ♦ F50 ♦
- PRAWITZ, D. *Natural deduction. A proof-theoretical study* ♦ B15 B98 F05 F07 F50 F98 ♦
- RAGGIO, A.R. *Gentzen's Hauptsatz for the systems NI and NK* ♦ F05 F50 ♦
- ROBINSON, T.T. *Interpretations of Kleene's metamathematical predicate  $\Gamma \vdash A$  in intuitionistic arithmetic* ♦ F30 F50 ♦
- STEGMUELLER, W. *Die Äquivalenz des klassischen und intuitionistischen Ableitungsbegriffs im Gentzen-Quine-Kalkül und in Kleenes Kalkül H* ♦ F50 ♦
- STRALBERG, A.H. *On the reduction of classical logic. An extension of some theorems of Glivenko and Gödel* ♦ B55 F30 F50 ♦
- TAIT, W.W. *Infinitely long terms of transfinite type* ♦ C75 F10 F15 F50 ♦
- VARPAKHOVSKIY, F.L. *The nonrealizability of a disjunction of nonrealizable formulas of propositional logic* (Russian) ♦ B55 F50 ♦

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- HANATANI, Y. *Calculabilite des fonctionnelles recursives primitives de type fini sur les nombres naturels* ♦ D65 F10 F35 F50 ♦
- HANAZAWA, M. *A characterization of axiom schema playing the role of tertium non datur in intuitionistic logic* ♦ F50 ♦
- HOSOI, T. *The separation theorem on the classical system* ♦ B10 F50 ♦
- HOWARD, W.A. & KREISEL, G. *Transfinite induction and bar induction of types zero and one, and the role of continuity in intuitionistic analysis* ♦ F10 F35 F50 ♦
- IMAI, Y. & ISEKI, K. *On Griss algebra. I* ♦ F50 G10 ♦
- JONGH DE, D.H.J. & TROELSTRA, A.S. *On the connection of partially ordered sets with some pseudo-boolean algebras* ♦ F50 G10 ♦
- KOTAS, J. & PIECZKOWSKI, A. *On a generalized cylindrical algebra and intuitionistic logic* (Polish and Russian summaries) ♦ F50 G15 ♦
- KUTSCHERA VON, F. *Zur semantischen Begründung der klassischen und der intuitionistischen Logik* ♦ A05 F50 ♦
- LEBLANC, H. & THOMASON, R.H. *The demarcation line between intuitionistic logic and classical logic* ♦ A05 F50 ♦
- LEBLANC, H. *Two separation theorems for natural deduction* ♦ B10 F07 F50 ♦
- MEDVEDEV, YU.T. *Interpretation of logical formulae by means of finite problems* (Russian) ♦ D80 F50 ♦
- MINTS, G.E. *Skolem's method of elimination of positive quantifiers in sequential calculi* (Russian) ♦ B25 C10 F50 ♦
- MYHILL, J.R. *Notes towards an axiomatization of intuitionistic analysis* ♦ F35 F50 ♦
- NAGASHIMA, T. *An extension of the Craig-Schutte interpolation theorem* ♦ C40 F50 ♦
- NELSON, D. *Non-null implication* ♦ B20 B28 F50 ♦
- ONO, K. *Taboo versus axiom* ♦ F50 ♦
- RESCHER, N. *On modal renderings of intuitionistic propositional logic* ♦ B45 F50 ♦
- REZNICKOFF, I. *Sur les ensembles denombrables de formules en logique intuitionniste* ♦ C40 C90 F50 ♦
- SCHULTZ, KONRAD *Zur Darstellung der intuitionistischen Mathematik im Rahmen eines Beweisbarkeitskalküls* ♦ F50 ♦

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- CRAIG, W. *Modus ponens and derivations from Horn formulas* ♦ B20 F05 F50 ♦
- DRABBE, J. *Quelques notions de la logique algébrique* ♦ F50 G15 ♦
- DRAGALIN, A.G. *Constructive transfinite systems and the construction of an algorithm by transfinite recursion* (Russian) ♦ F50 ♦
- DRAGALIN, A.G. *Justification of A.A. Markov's constructive selection principle* (Russian) ♦ F50 ♦
- GRZEGORCZYK, A. *Non-classical propositional calculi in relation to methodological patterns of scientific investigation* (Polish) (Russian and English summaries) ♦ A05 B45 F50 ♦

- IDE'L'SON, A.V. *Remarks on the calculi of constructive logic with subordinate variables and the Axiom of complete induction (Russian)* ◊ F50 ◊
- KAWADA, K. & MUTI, N. *A generalization of Curry's theorem* ◊ F50 ◊
- KREISEL, G. *Informal rigour and completeness proofs* ◊ A05 B30 C07 E30 E50 F50 ◊
- LIFSHITZ, V. *Constructive mathematical theories consistent with classical logic (Russian)* ◊ F50 ◊
- LIFSHITZ, V. *The decision problem for some constructive theories of equality (Russian)* ◊ B25 D35 F50 ◊
- LOPEZ-ESCOBAR, E.G.K. *Remarks on an infinitary language with constructive formulas* ◊ C40 C70 C75 F50 ◊
- LORENTS, A.A. *Certain problems in the theory of finite probabilistic automata (Russian)* ◊ D05 F50 ◊
- MASLOV, S.YU. *An invertible sequential version of the constructive predicate calculus (Russian)* ◊ F50 ◊
- MCKAY, C.G. *A note on the Jaskowski sequence* ◊ B55 F50 ◊
- MCKAY, C.G. *Implicationless WFFS in IC* ◊ F50 ◊
- MINTS, G.E. *Analog of Herbrand's theorem for non-prenex formulas of the constructive predicate calculus (Russian)* ◊ F05 F50 ◊
- MINTS, G.E. *Choice of terms in quantifier rules of the constructive predicate calculus (Russian)* ◊ F50 ◊
- MINTS, G.E. & OREVKOV, V.P. *On imbedding operators (Russian)* ◊ F25 F30 F50 ◊
- MINTS, G.E. *Variation in the deduction search tactics in sequential calculi (Russian)* ◊ B35 F07 F50 ◊
- MOSCHOVAKIS, J.R. *Disjunction and existence in formalized intuitionistic analysis* ◊ F35 F50 ◊
- PHAN DINH DIEU *A language of constructive mathematics involving systems of sets (Russian)* ◊ F50 ◊
- PLIUSKEVICIUS, R. *A sequential version of the calculus of constructive logic for normal formulas without structural rules of interference (Russian)* ◊ F50 ◊
- REZNIKOFF, I. *On independent recursive axiomatisation in intuitionistic logic (Russian)* ◊ F50 ◊
- TAIT, W.W. *Intensional interpretation of functionals of finite type I* ◊ F10 F30 F35 F50 ◊
- WANG, HAO *Introductory note* ◊ A10 F50 ◊
- YANKOV, V.A. *Finite validity of formulas of a special form (Russian)* ◊ B55 C13 F50 ◊

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- ACZEL, P. *Saturated intuitionistic theories* ◊ F30 F50 ◊
- DILLER, J. *Zur Berechenbarkeit primitiv-rekursiver Funktionale endlicher Typen* ◊ F10 F15 F50 ◊
- DRAGALIN, A.G. *The computability of primitive recursive terms of finite type, and primitive recursive realization (Russian)* ◊ F10 F35 F50 ◊
- GHOSE, A. *Free choice sequences I,II* ◊ F50 ◊
- HANATANI, Y. *Demonstration de l' $\omega$ -non-contradiction de l'arithmetique* ◊ F05 F15 F30 F50 ◊
- HEYTING, A. *Intuitionism in mathematics* ◊ A05 F50 F98 ◊
- HINATA, S. *Calculability of primitive recursive functionals of finite type* ◊ F10 F50 ◊
- HOWARD, W.A. *Functional interpretation of bar induction by bar recursion* ◊ F10 F35 F50 ◊
- JONGH DE, D.H.J. *Essay on i-valuations* ◊ F50 ◊
- KIPNIS, M.M. *The constructive classification of arithmetic predicates and the semantic bases of arithmetic (Russian)* ◊ D55 F30 F50 ◊
- KLEENE, S.C. *Constructive functions in "The foundations of intuitionistic mathematics"* ◊ F50 ◊
- KREISEL, G. *Functions, ordinals, species* ◊ F10 F35 F50 ◊
- KREISEL, G. *Lawless sequences of natural numbers* ◊ F50 ◊
- KREISEL, G. & LEVY, A. *Reflection principles and their use for establishing the complexity of axiomatic systems* ◊ E30 E47 F25 F30 F35 F50 ◊
- KUTSCHERA VON, F. *Die Vollstaendigkeit des Operatorensystems {¬, ∧, ∨, →} fuer die intuitionistische Aussagenlogik im Rahmen der Gentzensemantik* ◊ F50 ◊
- LEBLANC, H. *Subformula theorems for N-sequents* ◊ F07 F50 ◊
- LOPEZ-ESCOBAR, E.G.K. *A decision method for the intuitionistic theory of successor* ◊ B25 C10 F30 F50 ◊
- LORENZ, K. *Dialogspiele als semantische Grundlage von Logikkalkuelen I,II* ◊ B60 F50 ◊
- LORENZEN, P. *Operative Logik. Eine Uebersicht 1956-1966* ◊ A05 F50 ◊
- MALMNAES, P.E. & PRAWITZ, D. *A survey of some connections between classical, intuitionistic and minimal logic* ◊ B55 F05 F25 F50 ◊
- MARKOV, A.A. *An approach to constructive mathematical logic* ◊ F50 ◊
- MEREDITH, C.A. & PRIOR, A.N. *Equational logic* ◊ B20 F50 G05 ◊
- MINTS, G.E. *Admissible and deductive rules (Russian)* ◊ B10 F07 F50 ◊
- MINTS, G.E. *Disjunctive interpretation of the LJ calculus (Russian)* ◊ F50 ◊
- MINTS, G.E. *Implicative complexity of axiomatic systems (Russian)* ◊ F07 F50 ◊
- MINTS, G.E. *Independence of the postulates of natural calculi (Russian)* ◊ F07 F50 ◊
- MINTS, G.E. *Solvability of the problem of deducibility in LJ for a class of formulas which do not contain negative occurrences of quantors (Russian)* ◊ B25 F50 ◊
- MINTS, G.E. *The construction of conservative logical inferences (Russian)* ◊ F07 F50 ◊
- MYHILL, J.R. *Formal systems of intuitionistic analysis I* ◊ F35 F50 ◊
- MYHILL, J.R. *The formalization of intuitionism* ◊ F50 ◊
- OREVKOV, V.P. *Glivenko classes of sequents (Russian)* ◊ B10 F50 ◊
- OREVKOV, V.P. *Glivenko's sequence classes (Russian)* ◊ B10 B20 F50 ◊
- PERLATOV, G.N. *The law of the excluded middle, and intuitionistic propositional logic (Russian)* ◊ F50 ◊
- PLIUSKEVICIUS, R. *A sequential variant of constructive logic calculi for normal formulas not containing structural rules (Russian)* ◊ F50 ◊
- REZNIKOFF, I. *Axiomatisation independante des ensembles denombrables de formules en logique intuitionniste* ◊ F50 ◊

- ROUSSEAU, G. *Note on a problem of Porte* ♦ F50 ♦  
 ROUSSEAU, G. *Sheffer functions in intuitionistic logic*  
     ♦ F50 ♦  
 SCHUETTE, K. *Vollstaendige Systeme modaler und  
intuitionistischer Logik* ♦ B45 C90 F50 F98 ♦  
 SCHUETTE, K. *Zur Semantik der intuitionistischen  
Aussagenlogik* ♦ F50 ♦  
 SCOTT, D.S. *Extending the topological interpretation to  
intuitionistic analysis I* ♦ F35 F50 ♦  
 SEGERBERG, K. *Propositional logics related to Heyting and  
Johansson* ♦ B55 F50 ♦  
 TAIT, W.W. *Constructive reasoning*  
     ♦ B40 F10 F15 F30 F35 F50 F65 ♦  
 THOMASON, R.H. *On the strong semantical completeness  
of the intuitionistic predicate calculus* ♦ F50 ♦  
 TOMPKINS, R.R. *On Kleene's recursive realizability as an  
interpretation for intuitionistic elementary number  
theory* ♦ F30 F50 ♦  
 TROELSTRA, A.S. *The theory of choice sequences*  
     ♦ F35 F50 ♦  
 TSEJIN, G.S. *The disjunctive rank of the formulas of  
constructive arithmetic (Russian)* ♦ F30 F50 ♦  
 YANKOV, V.A. *On the extension of the intuitionist  
propositional calculus to the classical calculus, and the  
minimal calculus to the intuitionist calculus*  
     ♦ B55 F50 ♦  
 ZEMAN, J.J. *Some calculi with strong negation primitive*  
     ♦ B45 F50 ♦

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- CELLUCCI, C. *Un'osservazione sul teorema di  
Minc-Orevkov (English summary)* ♦ F50 ♦  
 DRAGALIN, A.G. *Transfinite completions of constructive  
arithmetical calculus (Russian)* ♦ F50 ♦  
 FITTING, M. *Intuitionistic logic, model theory, and forcing*  
     ♦ B98 C90 C98 E25 E35 E45 E50 F50  
     F98 ♦  
 GENTZEN, G. *The collected papers of Gerhard Gentzen*  
     ♦ B96 F05 F07 F30 F50 F96 ♦  
 GOLOTA, YA.YA. *Nets of marks and deducibility in the  
intuitionistic propositional calculus (Russian)*  
     ♦ B55 B75 F50 ♦  
 GOLOTA, YA.YA. *Some techniques for simplifying the  
construction of nets of marks (Russian)*  
     ♦ B25 B75 F50 ♦  
 HULL, R.G. *Counterexamples in intuitionistic analysis  
using Kripke's schema* ♦ F35 F50 ♦  
 KLEENE, S.C. *Formalized recursive functionals and  
formalized realizability* ♦ D65 F35 F50 ♦  
 LEVIN, L.A. *Some syntactic theorems on the calculus of  
finite problems of Ju.T.Medvedev (Russian)*  
     ♦ B55 F50 ♦  
 LUCKHARDT, H. *Kodifikation und Aussagenlogik*  
     ♦ B05 B25 F50 ♦  
 MEDVEDEV, YU.T. *A method for proving the unsolvability  
of algorithmic problems (Russian)* ♦ D35 F50 ♦  
 MINICIELLO, J.K. *An extension of negationless logic*  
     ♦ F50 ♦  
 SCARPELLINI, B. *Some applications of Gentzen's second  
consistency proof* ♦ F05 F30 F35 F50 ♦

- TROELSTRA, A.S. *Informal theory of choice sequences  
(Polish and Russian summaries)* ♦ F35 F50 F55 ♦  
 TROELSTRA, A.S. *Notes on the intuitionistic theory of  
sequences I* ♦ F35 F50 ♦  
 TROELSTRA, A.S. *Principles of intuitionism*  
     ♦ F35 F50 F55 F98 ♦  
 YANKOV, V.A. *Conjunctively indecomposable formulas in  
propositional calculi (Russian)* ♦ B55 F50 G10 ♦  
 ZASLAVSKIY, I.D. *The axiomatic determination of  
constructive objects and operations (Russian) (Armenian  
and English summaries)* ♦ D20 F50 ♦

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- BERNAYS, P. *The original Gentzen consistency proof for  
number theory* ♦ A10 B28 F30 F50 ♦  
 BISHOP, E.A. *Mathematics as a numerical language*  
     ♦ A05 F50 F55 ♦  
 DALEN VAN, D. & TROELSTRA, A.S. *Projections of lawless  
sequences* ♦ F35 F50 ♦  
 FEFERMAN, S. *Formal theories for transfinite iteration of  
generalized inductive definitions and some subsystems of  
analysis* ♦ F35 F50 ♦  
 FITTING, M. *Intuitionistic model theory and the Cohen  
independence proofs* ♦ A05 C90 E35 E40 F50 ♦  
 GABBAY, D.M. *The decidability of the Kreisel-Putnam  
system* ♦ B25 B55 F50 ♦  
 GERBER, H. *Brouwer's bar theorem and a system of ordinal  
notations* ♦ F15 F35 F50 ♦  
 GOODMAN, NICOLAS D. *A theory of constructions  
equivalent to arithmetic* ♦ F30 F50 ♦  
 HOMAGK, F. *Zur klassischen Deutung der  
intuitionistischen Speziestheorie und Arithmetik  
(Russian) (English and French summaries)* ♦ F50 ♦  
 HOWARD, W.A. *Assignment of ordinals to terms for  
primitive recursive functionals of finite type*  
     ♦ F10 F15 F50 ♦  
 JONGH DE, D.H.J. *A characterization of the intuitionistic  
propositional calculus* ♦ F50 ♦  
 KABAKOV, F.A. *Intuitionistic deducibility of some  
realizable formulae of propositional logic (Russian)*  
     ♦ F50 ♦  
 KABAKOV, F.A. *On modelling of pseudo-boolean algebras  
by realizability (Russian)* ♦ F30 F50 G10 ♦  
 KHOMICH, V.I. *On the complexity of realization of  
propositional formulae (Russian)* ♦ B35 F50 ♦  
 KREISEL, G. *Church's thesis: a kind of reducibility axiom  
for constructive mathematics* ♦ F50 ♦  
 KREISEL, G. & TROELSTRA, A.S. *Formal systems for some  
branches of intuitionistic analysis* ♦ F35 F50 ♦  
 LAEUCHLI, H. *An abstract notion of realizability for which  
intuitionistic predicate calculus is complete* ♦ F50 ♦  
 LUCKHARDT, H. *Ein Henkin-Vollstaendigkeitsbeweis fuer  
die intuitionistische Praedikatenlogik bezueglich der  
Kripke-Semantik* ♦ C90 F50 ♦  
 LUCKHARDT, H. *Kripke-Semantik der derivativen  
Praedikatenlogik* ♦ C90 F50 ♦  
 MAEHARA, S. *A general theory of completeness proofs*  
     ♦ C07 C90 F50 ♦  
 MARKOV, A.A. *On the logic of constructive mathematics  
(Russian)* ♦ F50 ♦

- MARTIN-LOEF, P. *Notes on constructive mathematics* ♦ F50 F60 F98 ♦
- McCALL, S. *A non-classical theory of truth, with an application to intuitionism* ♦ F50 ♦
- MUTI, N. *A characterization of the intuitionistic propositional logic* ♦ F50 ♦
- MYHILL, J.R. *Formal systems of intuitionistic analysis II. The theory of species* ♦ F35 F50 ♦
- OSSWALD, H. *Modelltheoretische Untersuchungen in der Kripke-Semantik* ♦ C20 C90 F50 ♦
- PRAWITZ, D. *Constructive semantics* ♦ F50 ♦
- PRAWITZ, D. *Some results for intuitionistic logic with second order quantification rules* ♦ F05 F35 F50 ♦
- ROOTSELAAR VAN, B. *On subjective mathematical assertions* ♦ F50 ♦
- ROUSSEAU, G. *The separation theorem for fragments of the intuitionistic propositional calculus* ♦ B55 F50 ♦
- SCARPELLINI, B. *A model for intuitionistic analysis* ♦ F35 F50 ♦
- SCARPELLINI, B. *On cut elimination in intuitionistic systems of analysis* ♦ F05 F35 F50 ♦
- SCOTT, D.S. *Constructive validity* ♦ F50 ♦
- SCOTT, D.S. *Extending the topological interpretation to intuitionistic analysis, II* ♦ F35 F50 ♦
- SEMENENKO, M.I. *Properties of some subsystems of classical and intuitionistic propositional calculi (Russian)* ♦ B55 F50 ♦
- SHMAIN, I.Kh. *Imbeddings of classical systems in intuitionistic and minimal ones (Russian)* ♦ F30 F50 ♦
- SMIRNOV, V.A. *A syllogistics without the law of the excluded middle and its inclusion into the predicate calculus (Russian)* ♦ F50 ♦
- TROELSTRA, A.S. *Notes on the intuitionistic theory of sequences II, III* ♦ F35 F50 ♦
- VESLEY, R.E. *A palatable substitute for Kripke's schema* ♦ F35 F50 ♦
- WOJCICKI, R. *On reconstructability of the classical propositional logic in intuitionistic logic (Russian summary)* ♦ B55 F50 ♦
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- ASHVINIKUMAR *Another proof of the intuitionistic inconsistency of the axiom of choice (Dutch)* ♦ E25 F50 F55 ♦
- BERTOLINI, F. *Kripke models and manyvalued logics* ♦ B50 F50 ♦
- BOWEN, K.A. *An extension of the intuitionistic propositional calculus* ♦ B55 F50 ♦
- CELLUCCI, C. *Operazioni di Brouwer e realizzabilità formalizzata (English summary)* ♦ F50 ♦
- DALEN VAN, D. & GORDON, C.E. *Independence problems in subsystems of intuitionistic arithmetic* ♦ F30 F50 ♦
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- FEFERMAN, S. *Ordinals and functionals in proof theory* ♦ F10 F15 F35 F50 ♦
- GABBAY, D.M. *Semantic proof of the Craig interpolation theorem for intuitionistic logic and extensions I, II* ♦ B55 C40 C90 F50 ♦
- GIRARD, J.-Y. *Une extension de l'interprétation de Gödel à l'analyse et son application à l'élimination des coupures dans l'analyse et la théorie des types* ♦ F05 F10 F35 F50 ♦
- GOERNEMANN, S. *A logic stronger than intuitionism* ♦ B55 C90 F50 ♦
- GRZEGORCZYK, A. *Classical relativistic and constructivistic ways of assertions of theorems (Polish) (Russian and English summaries)* ♦ F50 ♦
- JERVELL, H.R. *A normalform in first order arithmetic* ♦ F05 F30 F50 ♦
- KIPNIS, M.M. *On the realizations of predicate formulas (Russian) (English summary)* ♦ F50 ♦
- KLEMKE, D. *Ein Henkin-Beweis für die Vollständigkeit eines Kalküls relativ zur Grzegorczyk-Semantik* ♦ B55 C90 F50 ♦
- KREISEL, G. *A survey of proof theory II* ♦ F50 F98 ♦
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- MARTIN-LOEF, P. *Hauptsatz for the intuitionistic theory of iterated inductive definitions* ♦ F05 F35 F50 ♦
- MARTIN-LOEF, P. *Hauptsatz for the theory of species* ♦ F05 F35 F50 ♦
- MCCULLOUGH, D.P. *Logical connectives for intuitionistic propositional logic* ♦ F50 ♦
- MOSCHOVAKIS, J.R. *Can there be no nonrecursive functions?* ♦ F35 F50 ♦
- MYHILL, J.R. *Embedding classical type theory in "intuitionistic" type theory* ♦ B15 F35 F50 ♦
- NADIU, G.S. *Sur la logique de Heyting* ♦ C90 F50 G10 G30 ♦
- PETKOV, P.P. *On the question of the possibility of introducing disjunction on the lower levels of A.A. Markov's hierarchy of mathematical logic (Russian)* ♦ B60 F50 ♦
- PRAWITZ, D. *Ideas and results in proof theory* ♦ F05 F07 F10 F30 F35 F50 F98 ♦
- RATSA, M.F. *A criterion for functional completeness in the intuitionistic propositional logic (Russian)* ♦ F50 ♦
- REZNIKOFF, I. *Logique mathématique. II Théorie de la démonstration et intuitionnisme* ♦ F50 F98 ♦
- SCARPELLINI, B. *A model for barrecursion of higher types* ♦ F35 F50 ♦
- SCARPELLINI, B. *Proof theory and intuitionistic systems* ♦ F05 F15 F30 F35 F50 F98 ♦
- SHIRAI, K. *Intuitionistic predicate calculus with ε-symbol* ♦ F50 ♦
- SMIRNOV, V.A. *Elimination des termes ε dans la logique intuitionniste* ♦ F50 ♦
- SURMA, S.J. *Jaskowski's matrix criterion for the intuitionistic propositional calculus (Polish summary)* ♦ F50 ♦
- TAIT, W.W. *Normal form theorem for bar recursive functions of finite type* ♦ F05 F10 F35 F50 ♦
- TAKAHASHI, MOTO-O *Cut-elimination theorem and Brouwerian-valued models for intuitionistic type theory* ♦ F05 F35 F50 ♦
- THARP, L.H. *A quasi-intuitionistic set theory* ♦ E35 E70 F50 ♦

- TOKARZ, M. & WOJCICKI, R. *The problem of reconstructability of propositional calculi (Polish and Russian summaries)* ♦ B22 F50 ♦
- TOLSTOVA, YU.N. *A weakening of intuitionistic logic (Russian) (English summary)* ♦ B60 F50 ♦
- TROELSTRA, A.S. *Computability of terms and notions of realizability for intuitionistic analysis* ♦ F35 F50 ♦
- TROELSTRA, A.S. *Notions of realizability for intuitionistic arithmetic and intuitionistic arithmetic in all finite types* ♦ F30 F35 F50 ♦
- VARPAKHOVSKIY, F.L. *A class of realizable propositional formulae (Russian) (English summary)* ♦ F50 ♦
- VARPAKHOVSKIY, F.L. *The nonrealizability of the disjunction of nonrealizable formulas of propositional logic (Russian)* ♦ F50 ♦
- WRONSKI, A. *Axiomatization of the implicational Goedel's matrices by Kalmar's method (Polish summary)* ♦ B55 F50 ♦

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- ANIKEEV, A.S. *Classification of derivable propositional formulas (Russian)* ♦ B15 D05 F20 F50 ♦
- DRAGALIN, A.G. *On the use of classical calculi for establishing constructive truth (Russian) (English summary)* ♦ B10 F30 F50 ♦
- GABBAY, D.M. *Decidability of some intuitionistic predicate theories* ♦ B25 C90 F50 ♦
- GABBAY, D.M. *Model theory for intuitionistic logic* ♦ B55 C20 C90 F50 ♦
- GABBAY, D.M. *Sufficient conditions for the undecidability of intuitionistic theories with applications* ♦ D35 F50 ♦
- GOODMAN, NICOLAS D. & MYHILL, J.R. *The formalization of Bishop's constructive mathematics* ♦ F35 F50 F55 ♦
- GRZEGORCZYK, A. *An approach to logical calculus (Polish and Russian summaries)* ♦ B22 F50 ♦
- HOMAGK, F. *Zur Axiomatisierung der Nichtidentitaeten des intuitionistischen Aussagenkalkuels (Russian, English and French summaries)* ♦ F50 ♦
- HOWARD, W.A. *A system of abstract constructive ordinals* ♦ F10 F15 F35 F50 ♦
- JERVELL, H.R. *On Skolem and Herbrand theorems for intuitionistic logic* ♦ F05 F50 ♦
- KURKA, P. *The Heyting doctrines* ♦ F50 G30 ♦
- LAMBEK, J. *Deductive systems and categories III. Cartesian closed categories, intuitionist propositional calculus, and combinatory logic* ♦ B40 F50 G30 ♦
- LAWVERE, F.W. (ED.) *Toposes, algebraic geometry and logic* ♦ F50 G30 G97 ♦
- LEBLANC, H. & MEYER, R.K. *Matters of separation* ♦ B10 F07 F50 ♦
- LIFSCHITZ, V. *Metamathematical interpretation of the fan theorem (Russian) (English summary)* ♦ F50 ♦
- LOPEZ-ESCOBAR, E.G.K. *Constructions and negationless logic (Polish and Russian summaries)* ♦ B20 E70 F50 ♦
- LOPEZ-ESCOBAR, E.G.K. *Refutability and elementary number theory* ♦ F30 F50 ♦
- LORENZEN, P. *Dialogkalkuele* ♦ B60 F50 ♦

- LORENZEN, P. *Zur konstruktiven Deutung der semantischen Vollstaendigkeit klassischer Quantoren- und Modalkalkuele* ♦ B45 F50 ♦
- MARTIN-LOEF, P. *About models for intuitionistic type theories and the notion of definitional equality* ♦ C90 F50 ♦
- MARTIN-LOEF, P. *Infinite terms and a system of natural deduction* ♦ C75 F05 F50 ♦
- MEDVEDEV, YU.T. *Locally finitary algorithmic problems (Russian)* ♦ D20 F30 F50 ♦
- MINTS, G.E. *Derivability of admissible rules (Russian) (English summary)* ♦ B55 F50 ♦
- MINTS, G.E. *The Skolem method in intuitionistic calculi (Russian)* ♦ F50 ♦
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- OREVKOV, V.P. *A specialization of the form of deductions in Gentzen calculi and its applications (Russian)* ♦ F05 F07 F50 ♦
- OREVKOV, V.P. *Undecidable classes of formulas for the constructive predicate calculus I (Russian)* ♦ D35 F50 ♦
- OSSWALD, H. *Homomorphie-invariante Formeln in der intuitionistischen Logik* ♦ C40 C90 F50 ♦
- OSSWALD, H. *Unterstruktur-invariante Formeln in der intuitionistischen Logik* ♦ F50 ♦
- OSSWALD, H. *Vollstaendigkeit und Schnittelimination in der intuitionistischen Typenlogik (English summary)* ♦ F05 F35 F50 ♦
- SCARPELLINI, B. *Formally constructive model for barrecursion of higher types* ♦ F35 F50 ♦
- SCARPELLINI, B. *Induction and transfinite induction in intuitionistic systems* ♦ F35 F50 ♦
- SHIRAI, K. *On the intuitionistic predicate calculus with the ε-symbol* ♦ F50 ♦
- STENLUND, S. *Combinators, λ-terms and proof theory* ♦ B40 F05 F10 F50 F98 ♦
- TAUTS, A. *A connection between generalized Beth models and topological pseudo-Boolean algebras (Russian) (Estonian and German summaries)* ♦ C90 F50 G10 ♦
- TAUTS, A. *A semantic interpretation of formulas in generalized Beth models and in pseudo-Boolean algebras (Russian) (Estonian and German summaries)* ♦ C90 F50 G10 ♦
- VESLEY, R.E. *Choice sequences and Markov's principle* ♦ F35 F50 ♦
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- ZARNECKA-BIALY, E. *The deduction theorems for propositional calculi when implication and falsum is present (Polish summary)* ♦ B20 F50 ♦

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- BARENDEGRT, H.P. *Combinatory logic and the axiom of choice* ♦ B40 E25 F50 ♦
- CHERNIAVSKY, J.C. *The complexity of some non-classical logics* ♦ B45 D15 F20 F50 ♦

- DALEN VAN, D. *Lectures on intuitionism* ◇ F50 F55 F98 ◇
- DRAGALIN, A.G. *Constructive mathematics and models of intuitionistic theories* ◇ F50 ◇
- DRAGALIN, A.G. *Intuitionistic model theory (Russian)* ◇ C90 F50 ◇
- ERSHOV, YU.L. *Skolem functions and constructive models (Russian)* ◇ C57 C65 F50 ◇
- FITTING, M. *Model existence theorems for modal and intuitionistic logics* ◇ B45 F50 ◇
- FRIEDMAN, H.M. *Some applications of Kleene's methods for intuitionistic systems* ◇ F35 F50 ◇
- FRIEDMAN, H.M. *The consistency of classical set theory relative to a set theory with intuitionistic logic* ◇ B15 E30 E35 F50 ◇
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- GEORGIEVA, N.V. *On the logical signs in Schuette's interpolation formulae (Bulgarian) (Russian and English summaries)* ◇ C40 F50 ◇
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- IBRAGIMOV, S.G. *Consequence logic of Paul Lorenzen (Russian)* ◇ B60 F50 ◇
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- KHOMICH, V.I. *The complexity of recognition of the realizability of logico-arithmetic formulas (Russian)* ◇ F30 F50 ◇
- KLEENE, S.C. *Realizability: a retrospective survey* ◇ F50 ◇
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- MARTIN-LOEF, P. *Hauptsatz for intuitionistic simple type theory* ◇ B15 F05 F35 F50 ◇
- MEDVEDEV, YU.T. *An interpretation of intuitionistic number theory* ◇ F15 F30 F50 ◇
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- OSSWALD, H. *Ein syntaktischer Beweis fuer die Zuverlaessigkeit der Schnittregel im Kalkuel von Schuette fuer die intuitionistische Typenlogik* ◇ F05 F35 F50 ◇
- PETKOV, P.P. *The possibility of introducing disjunction at the level  $\omega$  in A.A. Markov's graduated semantic system* ◇ F50 ◇
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- POHLERS, W. *Ein starker Normalisationssatz fuer die intuitionistische Typentheorie* ◇ F05 F35 F50 ◇
- RADU, E. *On Goedel's argument for the completeness of intuitionistic logic (Romanian) (French summary)* ◇ F50 ◇
- REICHBACH, J. *Generalized models for intuitionistic and classical predicate calculi with ultraproducts* ◇ C20 C25 C80 C90 F50 ◇
- SANCHIS, L.E. *Formally defined operations in Kripke models* ◇ C90 F50 ◇
- SCARPELLINI, B. *On barinduction of higher types for decidable predicates* ◇ F35 F50 ◇
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- SMORYNSKI, C.A. *Applications of Kripke models* ◇ F30 F50 ◇
- SMORYNSKI, C.A. *Elementary intuitionistic theories* ◇ B25 C90 D35 F50 ◇
- SMORYNSKI, C.A. *Investigations of intuitionistic formal systems by means of Kripke models* ◇ B55 C90 F50 ◇
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- STAPLES, J. *Combinator realizability of constructive finite type analysis* ◇ B40 F35 F50 ◇
- SURMA, S.J. *Jaskowski's matrix criterion for the intuitionistic propositional calculus* ◇ B55 F50 ◇
- TROELSTRA, A.S. *Intuitionistic formal systems* ◇ F30 F35 F50 ◇
- TROELSTRA, A.S. (ED.) *Metamathematical investigation of intuitionistic arithmetic and analysis* ◇ F05 F10 F30 F35 F50 F55 F98 ◇

- TROELSTRA, A.S. *Models and computability*  
◊ F05 F10 F30 F35 F50 ◊
- TROELSTRA, A.S. *Normalization theorems for systems of natural deduction* ◊ F05 F30 F35 F50 ◊
- TROELSTRA, A.S. *Notes on intuitionistic second order arithmetic* ◊ F35 F50 ◊
- TROELSTRA, A.S. *Realizability and functional interpretations* ◊ F10 F30 F35 F50 ◊
- VERKHOZINA, M.I. *The undecidability of the separation problem for positive fragments of logical calculi (Russian)* ◊ D35 F50 ◊
- WASILEWSKA, A. *The diagrams of formulas of the intuitionistic propositional calculus (Polish and Russian summaries)* ◊ F50 ◊
- ZARNECKA-BIALY, E. *Modal functors and their definability in propositional calculus systems (Polish) (English summary)* ◊ B45 F50 ◊
- ZARNECKA-BIALY, E. *Negation in Ch.S. Peirce's propositional calculus* ◊ A10 B20 F50 ◊
- ZASLAVSKIY, I.D. *On predicate and arithmetic calculi of symmetric constructive logic (Russian)* ◊ F50 ◊

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- BARTHELEMY, J.-P. *Sur la refutabilité*  
◊ B20 F50 G30 ◊
- BOWEN, K.A. *Systems of transfinite type theory based on intuitionistic and modal logics*  
◊ B15 F05 F35 F50 ◊
- CELLUCCI, C. *On the role of reducibility principles*  
◊ A05 E30 F50 ◊
- CELLUCCI, C. *Un connettivo per la logica intuizionista (English summary)* ◊ F50 ◊
- DALEN VAN, D. *A model for HAS. A topological interpretation of the theory of species of natural numbers* ◊ F35 F50 ◊
- DILLER, J. & NAHM, W. *Eine Variante zur Dialectica-Interpretation der Heyting-Arithmetik endlicher Typen* ◊ F10 F35 F50 ◊
- DRAGALIN, A.G. *Constructive models of the theories of intuitionistic sequences of sampling (Russian)* ◊ F50 ◊
- DRAGALIN, A.G. *Constructive model of intuitionistic analysis (Russian)* ◊ F35 F50 ◊
- DRAGALIN, A.G. *Die intuitionistische Logik und das  $\varepsilon$ -Symbol Hilberts (Russian)* ◊ F50 ◊
- DRAGALIN, A.G. *The completeness of an arithmetic with a constructive rule of infinite induction (Russian)*  
◊ F30 F50 ◊
- EPSTEIN, G. & HORN, A. *Propositional calculi based on subresiduation* ◊ B50 F50 G10 ◊
- ERSHOV, YU.L. *The model G of the theory BR (Russian)*  
◊ F10 F50 ◊
- ERSHOV, YU.L. *Theory of numerations, III: Constructive models (Russian)* ◊ B25 C57 C98 D45 F50 ◊
- FRIEDMAN, H.M. *On existence proofs of Hanf numbers*  
◊ C55 C75 E30 E70 F50 ◊
- GABBAY, D.M. *On 2nd order intuitionistic propositional calculus with full comprehension* ◊ F35 F50 ◊
- GEISER, J.R. *A formalization of Esenin-Volpin's proof theoretical studies by means of nonstandard analysis*  
◊ C75 F50 H10 H15 ◊

- GENTZEN, G. *Ueber das Verhaeltnis zwischen intuitionistischer und klassischer Arithmetik*  
◊ B30 F30 F50 ◊
- GIMON, V.V. *Version of the semantical stratified system for formulas without quantifiers (Russian)* ◊ F50 ◊
- GOBLE, L.F. *Gentzen systems for modal logic*  
◊ B45 F50 ◊
- GOLOTA, YA.YA. *A matrix notation for nets of marks (Russian) (English summary)* ◊ B25 F50 ◊
- GORGY, F.W. *The dependence and independence of the rules of inference of the step-by-step semantic system of constructive mathematical logic (Russian)* ◊ F50 ◊
- KANOVICH, M.I. *A certain extension of the step-by-step semantic system of A. A. Markov (Russian)*  
◊ D15 F50 ◊
- KREJNOVICH, V.YA. *From what does the law of the excluded middle follow? (Russian) (English summary)*  
◊ F35 F50 ◊
- LOPEZ-ESCOBAR, E.G.K. *Elementary interpretations of negationless arithmetic* ◊ F30 F50 ◊
- MARKOV, A.A. *On the language  $\mathbf{H}_0$  (Russian)*  
◊ B25 F50 F65 ◊
- MARKOV, A.A. *On the language  $\mathbf{H}_1$  (Russian)*  
◊ D03 D35 F50 ◊
- MARKOV, A.A. *On the language  $\mathbf{H}_2$  (Russian)* ◊ F50 ◊
- MARKOV, A.A. *On the language  $\mathbf{H}_3$  (Russian)* ◊ F50 ◊
- MARKOV, A.A. *On the languages  $\mathbf{H}_4, \mathbf{H}_5, \dots$  (Russian)*  
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- MARKOV, A.A. *On the language  $\mathbf{H}_\omega$  (Russian)* ◊ F50 ◊
- MARKOV, A.A. *On the language  $\mathbf{H}_{\omega_1}$  (Russian)* ◊ F50 ◊
- MARKOV, A.A. *The completeness of the classical predicate calculus in constructive logic (Russian)* ◊ C07 F50 ◊
- MINTS, G.E. *E theorems (Russian) (English summary)*  
◊ F05 F30 F50 ◊
- MINTS, G.E. *Heyting predicate calculus with  $\varepsilon$  symbol (Russian) (English summary)* ◊ F05 F50 ◊
- MULVEY, C.J. *Intuitionistic algebra and representations of rings* ◊ C60 C90 F50 F55 G30 ◊
- MYHILL, J.R. *Embedding classical type theory in "intuitionistic" type theory, a correction*  
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- PLISKO, V.E. *A certain formal system that is connected with realizability (Russian)* ◊ F50 ◊
- PLISKO, V.E. *On interpretations of predicate formulae that are connected with constructive logic (Russian)*  
◊ F50 ◊
- PLISKO, V.E. *Recursive realizability and constructive predicate logic (Russian)* ◊ F50 ◊
- POREBSKA, M. & WRONSKI, A. *A characterization of fragments of the intuitionistic propositional logic*  
◊ F50 ◊
- RASIOWA, H. *An algebraic approach to non-classical logics*  
◊ B98 F50 G05 G10 G20 G25 G98 ◊
- RAUSZER, C. *A formalization of the propositional calculus of H-B logic* ◊ B55 F50 G10 ◊
- RAUSZER, C. *Semi-boolean algebras and their applications to intuitionistic logic with dual operations*  
◊ F50 G10 ◊

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- ROUTLEY, R. *Semantical analyses of propositional systems of Fitch and Nelson* ♦ B25 B46 C90 F50 ♦
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- SHIMADA, K. *A theorem prover for intuitionistic propositional logic* ♦ B35 F50 ♦
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- SMYTH, M.B. *Involutive basis for propositional calculi* ♦ B05 F50 ♦
- STAPLES, J. *Combinator realizability of constructive Morse theory* ♦ B40 F35 F50 ♦
- SURMA, S.J. & WRONSKI, A. & ZACHOROWSKI, S. *On Jaskowski-type semantics for the intuitionistic propositional logic* ♦ B55 F50 ♦
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- TAUTS, A. *A game for the construction of a propositional semantics in generalized Beth models (Russian) (Estonian and German summaries)* ♦ C75 C90 E60 F50 ♦
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- TROELSTRA, A.S. *Note on the fan theorem* ♦ F30 F35 F50 ♦
- UMEZAWA, T. *Disjunction property in higher order number theory with intuitionistic rules of inference I* ♦ F05 F35 F50 ♦
- URQUHART, A.I.F. *Implicational formulas in intuitionistic logic* ♦ F50 G05 G25 ♦
- VAKARELOV, D. *Representation theorems for semi-boolean algebras and semantics for Heyting-Brouwer predicate logic* ♦ F50 G05 G10 ♦
- WRONSKI, A. *On cardinalities of matrices strongly adequate for the intuitionistic propositional logic* ♦ B55 F50 ♦
- WRONSKI, A. & ZYGMUNT, J. *Remarks on the free pseudo-boolean algebra with one-element free-generating set* ♦ F50 G10 ♦
- WRONSKI, A. *The degree of completeness of some fragments of the intuitionistic propositional logic* ♦ B20 F50 ♦
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- BEESON, M.J. *The nonderivability in intuitionistic formal systems of theorems on the continuity of effective operations* ♦ D20 F50 ♦
- BUCHHOLZ, W. *Ein ausgezeichnetes Modell fuer die intuitionistische Typenlogik* ♦ B15 F05 F35 F50 ♦
- DIACONESCU, R. *Axiom of choice and complementation* ♦ E25 F50 G30 ♦
- DILLER, J. & VOGEL, HELMUT *Intensionale Funktionalinterpretation der Analysis* ♦ F10 F35 F50 ♦
- DUMMETT, M. *The justification of deduction* ♦ A05 F50 ♦
- DZIK, W. *On structural completeness of some nonclassical predicate calculi* ♦ B22 F50 ♦
- FEFERMAN, S. *A language and axioms for explicit mathematics* ♦ D55 F35 F50 F65 ♦
- FRIEDMAN, H.M. *The disjunction property implies the numerical existence property* ♦ F50 ♦
- GABBAY, D.M. *Decidability results in non-classical logics I* ♦ B25 B45 C90 F50 ♦
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- HANATANI, Y. *Calculability of the primitive recursive functionals of finite type over the natural numbers* ♦ D65 F10 F35 F50 ♦
- JOYAL, A. *Les theoremes de Chevalley-Tarski et remarque sur l'algèbre constructive* ♦ C60 F50 G30 ♦
- KABZINSKI, J.K. & WRONSKI, A. *On equivalential algebras* ♦ F50 G25 ♦
- KABZINSKI, J.K. & POREBSKA, M. *Proof of the separability of the intuitionistic propositional logic by the Wajsberg method* ♦ F50 ♦
- KANOVICH, M.I. *A hierarchical semantic system with set variables (Russian)* ♦ B20 B65 C40 D05 F50 ♦
- KHOMICH, V.I. *Weakly and strongly nonrealizable propositional formulae (Russian)* ♦ B20 D15 D20 F50 ♦
- KOCK, A. & LECOUTURIER, P. & MIKKELSEN, C.J. *Some topos theoretic concepts of finiteness* ♦ F50 G30 ♦
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- LOPEZ-ESCOBAR, E.G.K. & VELDMAN, W. *Intuitionistic completeness of a restricted second-order logic* ♦ B15 C90 F50 ♦
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- OKEE, J. *A semantical proof of the undecidability of the monadic intuitionistic predicate calculus of first order* ◊ D35 F50 ◊
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- OSSIUS, G. *Logical and set theoretical tools in elementary topoi* ◊ C90 E70 F50 G30 ◊
- OSSWALD, H. *Ueber Skolemmerweiterungen in der intuitionistischen Logik mit Gleichheit* ◊ F50 ◊
- POHLERS, W. *An upper bound for the provability of transfinite induction in systems with N-times iterated inductive definitions* ◊ F15 F35 F50 ◊
- POREBSKA, M. & WRONSKI, A. *A characterization of fragments of the intuitionistic propositional logic* ◊ B55 F50 ◊
- POWELL, W.C. *Extending Goedel's negative interpretation to ZF* ◊ E35 E70 F50 ◊
- PREVIALE, F. *Tavole semantiche per sistemi astratti di logica estensionale* ◊ B50 F50 ◊
- RADU, E. *Le "sujet creatif" dans les mathematiques intuitionnistes* ◊ A05 F50 ◊
- REICHBACH, J. *Generalized models for classical and intuitionistic predicate calculi* ◊ B10 B25 C90 F50 ◊
- REYES, G.E. *Faisceaux et concepts* ◊ C90 F50 G30 ◊
- SCARPELLINI, B. *Bemerkungen zu Regel und Schema* ◊ F07 F30 F50 ◊
- SCHWICHTENBERG, H. *Elimination of higher type levels in definitions of primitive recursive functionals by means of transfinite recursion* ◊ C75 F10 F15 F35 F50 ◊
- SHIRAI, K. *Intuitionistic version of the Los-Tarski-Robinson theorem* ◊ C40 F05 F50 ◊
- SONOBE, O. *Bi-relational frameworks for minimal and intuitionistic logics* ◊ B45 C90 F50 ◊
- STENLUND, S. *Description in intuitionistic logic* ◊ F50 ◊
- STOUT, L.N. *Topological space objects in a topos. II:  $\mathfrak{E}$ -completeness and  $\mathfrak{E}$ -cocompleteness* ◊ E75 F50 G30 ◊
- SURMA, S.J. & WRONSKI, A. & ZACHOROWSKI, S. *On Jaskowski-type semantics for the intuitionistic propositional logic* ◊ B55 F50 ◊
- TAIT, W.W. *A realizability interpretation of the theory of species* ◊ D65 F05 F35 F50 ◊
- TAUTS, A. *A semantic model for infinite formulas (Russian) (Estonian and German summaries)* ◊ C75 C90 F50 G10 ◊
- TAUTS, A. *Search for deduction by means of a semantic model (Russian) (Estonian and German summaries)* ◊ B55 C75 C90 F50 ◊
- TAUTS, A. *Strong tautology and construction of a countermodel for nonderivable propositions (Russian) (Estonian and German summaries)* ◊ C75 C90 F50 ◊
- TROELSTRA, A.S. *Markov's principle and Markov's rule for theories of choice sequences* ◊ F35 F50 ◊
- UMEZAWA, T. *Disjunction property in higher order number theory with intuitionistic rules of inference II* ◊ F05 F35 F50 ◊
- WAUW-DE KINDER VAN DE, G. *Arithmetique de premier ordre dans les topos (English summary)* ◊ F30 F50 G30 H15 ◊
- YEVICK, M.L. *Holographic or Fourier logic* ◊ F50 ◊
- ZACHOROWSKI, S. *A proof of a conjecture of Roman Suszko* ◊ B45 B50 F50 ◊
- ZASLAVSKIJ, I.D. *On constructive truth of judgements and some untraditional systems of constructive logic (Russian)* ◊ F50 ◊

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- BEESON, M.J. *Derived rules of inference related to the continuity of effective operations* ◊ D20 F50 ◊
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- BERNINI, S. *A very strong intuitionistic theory* ◊ F35 F50 ◊
- BOWEN, K.A. *An Herbrand theorem for prenex formulas of LJ* ◊ F05 F50 ◊
- CHERNYAKHOVSKIJ, N.P. *The expressibility of realizability, in the language of formal arithmetic (Russian)* ◊ D80 F30 F50 ◊
- EPSTEIN, G. & HORN, A. *Logics which are characterized by subresiduated lattices* ◊ B50 F50 G10 ◊
- FELSCHER, W. *On interpolation when function symbols are present* ◊ C40 C75 F50 ◊
- FISCHER SERVI, G. *Un'algebrizzazione del calcolo intuizionista monadico (English summary)* ◊ B55 F50 G10 ◊
- GABBAY, D.M. *Completeness properties of Heyting's predicate calculus with respect to RE models* ◊ B55 F50 ◊
- GABBAY, D.M. *On Kreisel's notion of validity in Post systems* ◊ B50 D03 F50 ◊
- GIRARD, J.-Y. *Three-valued logic and cut-elimination: The actual meaning of Takeuti's conjecture* ◊ B50 C85 C90 F05 F35 F50 ◊
- GOODMAN, NICOLAS D. *The theory of the Goedel functionals* ◊ F10 F35 F50 ◊

- HERMES, H. *Dialog games* ♦ A05 B60 F50 ♦  
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 KOCK, A. *Universal projective geometry via topos theory* ♦ E75 F50 G30 ♦  
 KROL', M.D. *The topological models of intuitionistic analysis. One counter-example (Russian)* ♦ C90 F35 F50 ♦  
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 LEVIN, L.A. *On the principle of conservation of information in intuitionistic mathematics (Russian)* ♦ D15 D80 F50 F55 ♦  
 LOEB, M.H. *Embedding first order predicate logic in fragments of intuitionistic logic* ♦ B10 D35 F50 ♦  
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 NAGORNYJ, N.M. *A variant of the definition of realization of a logical arithmetical formula (Russian)* ♦ F30 F50 ♦  
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 OREVKOV, V.P. *Solvable classes of pseudoprenex formulas (Russian) (English summary)* ♦ B25 F50 ♦  
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 POSY, C.J. *Varieties of indeterminacy in the theory of general choice sequences* ♦ F35 F50 ♦  
 POTTINGER, G. *A new way of normalizing intuitionist propositional logic* ♦ B40 F05 F50 ♦  
 RAUSZER, C. *On the strong semantical completeness of any extension of the intuitionistic predicate calculus* ♦ B55 F50 ♦  
 SAMBIN, G. *An effective fixed-point theorem in intuitionistic diagonalizable algebras (The algebraisation of the theories which express Theor. IX)* ♦ F30 F50 G10 G25 ♦  
 SHANIN, N.A. *On the quantifier of limiting realizability (Russian)* ♦ C57 C80 F50 ♦  
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 BERNINI, S. *Interpretazione intuizionista di teorie a logica classica: una particolare applicazione del metodo della traduzione negativa via concetti empirici e anomici (lawless)* ♦ F35 F50 ♦  
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- RAUSZER, C. *An algebraic approach to the Heyting-Brouwer predicate calculus* ◇ F50 G10 ◇
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- SCARPELLINI, B. *A new realizability notion for intuitionistic analysis* ◇ F35 F50 ◇
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- SOBOLEV, S.K. *On finite-dimensional superintuitionistic logics (Russian)* ◇ B55 D05 F50 G10 G25 ◇
- SOBOLEV, S.K. *The intuitionistic propositional calculus with quantifiers (Russian)* ◇ B55 C80 C90 D35 F50 ◇
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- TROELSTRA, A.S. *Axioms for intuitionistic mathematics incompatible with classical logic* ◇ A05 F35 F50 ◇
- TROELSTRA, A.S. *Choice sequences, a chapter of intuitionistic mathematics* ◇ A05 A10 F35 F50 F55 F98 ◇
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- TROELSTRA, A.S. *Some models for intuitionistic finite type arithmetic with fan functional* ◇ F35 F50 ◇
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- TSITKIN, A.I. *On admissible rules of intuitionistic propositional logic (Russian)* ◇ B55 F50 ◇
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- ACZEL, P. *The type theoretic interpretation of constructive set theory* ◇ E70 F35 F50 ◇
- ARRUDA, A.I. *Some remarks on Griss' logic of negationless intuitionistic mathematics* ◇ B55 F50 F55 G25 ◇
- BEESON, M.J. *A type-free Goedel interpretation* ◇ F50 ◇
- BEESON, M.J. *Some relations between classical and constructive mathematics* ◇ F50 F55 ◇
- BERNINI, S. *A note on my paper: "A very strong intuitionistic theory"* ◇ F35 F50 ◇
- BRIDGES, D.S. *A note on Morse's lambda-notation in set theory* ◇ F50 ◇
- BUCHHOLZ, W. & POHLERS, W. *Provable well orderings of formal theories for transfinitely iterated inductive definitions* ◇ F15 F30 F35 F50 ◇
- CRISCUOLO, G. & TORTORA, R. *Duals of intuitionistic tableaus* ◇ F50 ◇
- DALEN VAN, D. *An interpretation of intuitionistic analysis* ◇ C90 F35 F50 ◇
- DRUGUSH, YA.M. *A class of logics without disjunction property (Russian)* ◇ B55 F50 ◇

- FIDEL, M.M. *An algebraic study of a propositional system of Nelson* ◇ B55 F50 G10 G25 ◇
- FISCHER SERVI, G. *The finite model property for MIPQ and some consequences* ◇ B55 F50 G10 ◇
- FRIEDMAN, H.M. *Classically and intuitionistically provably recursive functions* ◇ B15 D20 E70 F30 F50 ◇
- GOAD, C.A. *Monadic infinitary propositional logic: a special operator* ◇ B25 B60 C75 F50 ◇
- GOLDBLATT, R.I. *Arithmetical necessity, provability and intuitionistic logic* ◇ B45 F50 ◇
- GOODMAN, NICOLAS D. & MYHILL, J.R. *Choice implies excluded middle* ◇ E25 F50 ◇
- GOODMAN, NICOLAS D. *Relativized realizability in intuitionistic arithmetic of all finite types*  
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- GOODMAN, NICOLAS D. *The nonconstructive content of sentences of arithmetic*  
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- GREENLEAF, N. *Linear order in lattices: A constructive study* ◇ F50 F55 ◇
- HABERTHUE, R. *Choice sequences and reduction processes* ◇ F05 F35 F50 ◇
- HART, A.M. & HENDRY, H.E. *Some observations on a method of McKinsey* ◇ B50 F50 ◇
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- JERVELL, H.R. *Constructive universes. I*  
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- KEARNS, J.T. *Intuitionist logic, a logic of justification*  
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- KHACHATRYAN, M.A. *On the derivation complexity of some formulas in sequential calculi (Russian)*  
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- KHOSROVSHAH, G.B. *A few words on intuitionism (Persian)* ◇ F50 ◇
- KROL', M.D. *A topological model for intuitionistic analysis with Kripke's scheme* ◇ C90 F35 F50 ◇
- KROL', M.D. *Distinct variants of Kripke's scheme in intuitionistic analysis (Russian)* ◇ C90 F35 F50 ◇
- LUCKHARDT, H. *A fundamental effect in computations on real numbers* ◇ F50 ◇
- NADEL, M.E. *Infinitary intuitionistic logic from a classical point of view* ◇ C75 C90 F50 ◇
- NEPEJVODA, N.N. *A relation between the natural deduction rules and operators of higher level algorithmic languages (Russian)* ◇ B75 F07 F50 ◇
- NEPEJVODA, N.N. *The construction of correct programs (Russian)* ◇ F50 ◇
- PLISKO, V.E. *Some variants of the notion of realizability for predicate formulas (Russian)* ◇ B10 F50 ◇
- REYES, G.E. *Theorie des modeles et faisceaux*  
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- ROUSSEAU, C. *Topos theory and complex analysis*  
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- ROUTLEY, R. *An inadequacy in Kripke-semantics for intuitionistic quantificational logic*  
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- SCOTT, P.J. *The "Dialectica" interpretation and categories*  
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- SMORYNSKI, C.A. *The axiomatization problem for fragments* ◇ B55 F50 ◇
- STAPLES, J. *Truth in constructive metamathematics*  
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- STOUT, L.N. *Quels sont les espaces topologiques dans les topos?* ◇ F50 G30 ◇
- SWART DE, H.C.M. *First steps in intuitionistic model theory* ◇ C90 F50 ◇
- SZABO, M.E. *Algebra of proofs*  
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- TRAGESSER, R.S. & ZUCKER, J.I. *The adequacy problem for inferential logic* ◇ A05 B55 F50 ◇
- TROELSTRA, A.S. *A. Heyting on the formalization of intuitionistic mathematics* ◇ A10 F50 ◇
- TROELSTRA, A.S. *Appendix to D. van Dalen's "An interpretation of intuitionistic analysis"* ◇ F35 F50 ◇
- TROELSTRA, A.S. *Some remarks on the complexity of Henkin-Kripke models* ◇ C90 D55 F50 ◇
- VOGEL, HELMUT *Eine beweistheoretische Anwendung partieller stetiger Funktionale* ◇ F10 F35 F50 ◇
- WENDEL, N. *The inconsistency of Bernini's very strong intuitionistic theory* ◇ B55 F35 F50 ◇
- ZASLAVSKIJ, I.D. *Symmetric constructive logic (Russian)*  
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- AKIMOV, A.P. *On imbeddings of classical modal calculi in constructive calculi (Russian)* ◇ B45 F50 ◇
- BEESON, M.J. *Continuity in intuitionistic set theories*  
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- BEESON, M.J. *Goodman's theorem and beyond*  
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- DALEN VAN, D. & STATMAN, R. *Equality in the presence of apartness* ◇ F05 F50 ◇
- DALEN VAN, D. *Interpreting intuitionistic logic*  
◇ A05 F50 F98 ◇
- DARDZHANIYA, G.K. *On the complexity of countermodels for intuitionistic propositional calculus (Russian) (English summary)* ◇ B55 F50 ◇
- DILLER, J. *Functional interpretations of Heyting's arithmetic in all finite types* ◇ F10 F35 F50 ◇
- DOMBROVSKIY-KABANCHENKO, M.N. *A transfinite extension of the stepped semantic system (Russian)*  
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- DRAGALIN, A.G. *Algebraic models of intuitionistic theories (Russian)* ◇ F50 G10 ◇
- DRAGALIN, A.G. *An algebraic approach to intuitionistic models of the realizability type (Russian)*  
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- DRAGALIN, A.G. *Calculus of constructions, equivalent to the intuitionistic predicate calculus (Russian)* ◇ F50 ◇
- DRAGALIN, A.G. *Intuitionism (Russian)*  
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- DRAGALIN, A.G. *Mathematical intuitionism. Introduction to proof theory (Russian)*  
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- DRAGALIN, A.G. *Strong normalization theorem for derivations in Gentzen's sequent calculus (Russian)*  
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- FEFERMAN, S. *Constructive theories of functions and classes* ◇ F50 F55 F60 F98 ◇
- FOURMAN, M.P. & HYLAND, J.M.E. *Sheaf models for analysis* ◇ C65 C90 F35 F50 G10 G30 ◇

- FOURMAN, M.P. & SCOTT, D.S. *Sheaves and logic*  
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- GIMON, V.V. *Quantifier-free formulas in A. A. Markov's ramified semantics (Russian)* ◊ B55 F50 ◊
- GOLDBLATT, R.I. *Topoi. The categorial analysis of logic*  
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- GORGY, F.W. *The independence of the rule of syllogism in  $S_2$*  ◊ B45 F50 ◊
- GOTO, S. *Program synthesis through Goedel's interpretation* ◊ B75 F10 F50 ◊
- GRAYSON, R.J. *Heyting-valued models for intuitionistic set theory* ◊ E35 E70 F50 G30 ◊
- GUPTA, H.N. *On a minimal system of intuitionistically acceptable propositional calculus* ◊ F50 ◊
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- JOHNSTONE, P.T. *Conditions related to de Morgan's law*  
     ◊ B55 C65 C90 F50 G30 ◊
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- LEIVANT, D. *Absoluteness of intuitionistic logic*  
     ◊ F05 F30 F50 ◊
- LIFSHCITZ, V. *CT<sub>0</sub> is stronger than CT<sub>0</sub>!* ◊ F30 F50 ◊
- LIFSHCITZ, V. *An intuitionistic definition of classical natural numbers* ◊ F30 F50 ◊
- MARKOVIC, Z. *An intuitionistic omitting types theorem*  
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- MEREDITH, D. *Axiomatics for implication* ◊ B20 F50 ◊
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- MINTS, G.E. *Constructive semantics (Russian)* ◊ F50 ◊
- NEPEJVODA, N.N. *Application of proof theory to the problem of construction of correct programs (Russian)*  
     ◊ B75 F50 ◊
- NEPEJVODA, N.N. *Stable truth and computability (Russian)* ◊ C90 F35 F50 ◊
- OREVKOV, V.P. *Three ways of recognizing unessential formulas in sequences (Russian) (English summary)*  
     ◊ F50 ◊
- PRANK, R.K. *Expressibility in the elementary theory of recursive sets with realizability logic (Russian) (English summary)* ◊ B60 D20 F50 ◊
- PRAWITZ, D. *Proofs and the meaning and completeness of the logical constants* ◊ A05 F07 F50 ◊
- ROUSSEAU, C. *Topos theory and complex analysis*  
     ◊ F50 F55 G30 H05 ◊
- SCHWICHTENBERG, H. *Logic and the axiom of choice*  
     ◊ E25 F05 F50 ◊
- SCHWICHTENBERG, H. *On bar recursion of types 0 and 1*  
     ◊ F10 F35 F50 ◊
- SCOTT, D.S. *Identity and existence in intuitionistic logic*  
     ◊ F35 F50 ◊
- SHVARTS, G.F. *Some extensions of intuitionistic type theory (Russian) (English summary)*  
     ◊ B15 F35 F50 ◊
- SKVORTSOV, D.P. *Logic of infinite problems and Kripke models on atomic semilattices of sets (Russian)*  
     ◊ B55 C90 F50 G20 ◊
- SKVORTSOV, D.P. *Two generalizations of the concept of a finite problem (Russian)* ◊ F50 ◊
- SMIRNOV, V.A. *Theory of quantification and  $\mathfrak{E}$ -calculi*  
     ◊ B10 F50 ◊
- SOLOV'EV, S.V. *The increase in length of an L-derivation transformed into a natural deduction (Russian) (English summary)* ◊ F07 F20 F50 ◊
- STATMAN, R. *Intuitionistic propositional logic is polynomial-space complete* ◊ B40 D15 F20 F50 ◊
- STEIN, M. *Interpretationen der Heyting-Arithmetik endlicher Typen* ◊ F10 F35 F50 ◊
- TAKEUTI, G. & TITANI, S. *Heyting valued set theory (Japanese)* ◊ E40 E70 F50 G30 ◊
- TROELSTRA, A.S. *On Ashvinikumar's principle of microscopic completeness* ◊ F35 F50 ◊
- TSITKIN, A.I. *On the question of an error in a famous work due to Wajsberg (Russian)* ◊ A10 B20 F50 ◊
- UMEZAWA, T. *A method for cut elimination in intuitionistic predicate logic and classical predicate logic*  
     ◊ B10 F05 F50 ◊
- VOGEL, HELMUT *Ueber ein mit der Bar-Induktion verwandtes Schema* ◊ F10 F35 F50 ◊
- WEINSTEIN, S. *Some applications of Kripke models to formal systems of intuitionistic analysis*  
     ◊ C90 F35 F50 ◊

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- ARTEMOV, S.N. *Arithmetically complete modal theories (Russian)* ◊ B45 C90 F50 ◊
- BEESON, M.J. *Extensionality and choice in constructive mathematics* ◊ E25 E70 F50 ◊
- BEESON, M.J. *Some problems in constructive mathematics*  
     ◊ A10 F50 ◊
- BOZZI, S. & MELONI, G.C. *Representation of Heyting algebras with covering and propositional intuitionistic logic with local operator*  
     ◊ B25 B55 C90 F50 G10 ◊
- COSTE-ROY, M.-F. & COSTE, M. & MAHE, L. *Contribution to the study of the natural number object in elementary topoi* ◊ D20 F35 F50 G30 ◊
- DILLER, J. *Modified realization and the formulae-as-types notion* ◊ F05 F10 F30 F35 F50 ◊
- DRAGALIN, A.G. *Higher-order predicate logic in the form of calculus realization (Russian)*  
     ◊ B15 F05 F35 F50 ◊
- DRAGALIN, A.G. *New forms of realizability and Markov's rule (Russian)* ◊ F30 F50 ◊
- FOURMAN, M.P. *Sheaf models for set theory*  
     ◊ C62 C90 E25 E35 E70 F50 G30 ◊
- FRIEDRICH, W. & LUCKHARDT, H. *Intuitionistic uniformity principles for propositions and some applications*  
     ◊ F35 F50 ◊
- GANDY, R.O. *Proofs of strong normalization*  
     ◊ B40 F05 F50 ◊

- GOAD, C.A. *Proofs as descriptions of computation*  
     ◊ B35 F07 F50 ◊
- HAYASHI, S. *Derived rules related to a constructive theory  
           of metric spaces in intuitionistic higher order arithmetic  
           without countable choice* ◊ F35 F50 G30 ◊
- HOWARD, W.A. *Ordinal analysis of terms of finite type*  
     ◊ F10 F15 F35 F50 ◊
- HOWARD, W.A. *Ordinal analysis of bar recursion of type  
           zero* ◊ F10 F15 F35 F50 ◊
- HOWARD, W.A. *The formulae-as-types notion of  
           construction* ◊ B40 F05 F10 F50 ◊
- HYLAND, J.M.E. & JOHNSTONE, P.T. & PITTS, A.M. *Tripos  
           theory* ◊ E70 F50 G30 ◊
- JONGH DE, D.H.J. *A class of intuitionistic connectives*  
     ◊ B55 C75 C90 F50 ◊
- KALICKI, C. *Infinitary propositional intuitionistic logic*  
     ◊ B55 C75 F50 ◊
- KHAKHANYAN, V.KH. *Comparative strength of variants of  
           Church's thesis at the level of set theory (Russian)*  
     ◊ D20 E70 F50 ◊
- KHAKHANYAN, V.KH. *The consistency of intuitionistic set  
           theory with Church's principle and the uniformization  
           principle (Russian)* ◊ D20 E35 E70 F25 F50 ◊
- KHAKHANYAN, V.KH. *The consistency of intuitionistic set  
           theory with formal mathematical analysis (Russian)*  
     ◊ D20 E35 E70 F25 F35 F50 ◊
- KIRK, R.E. *A characterization of the classes of finite tree  
           frames which are adequate for the intuitionistic logic*  
     ◊ B55 C90 F50 ◊
- KODERA, H. *Remark on classical logic and intuitionistic  
           logic* ◊ B20 F05 F50 ◊
- LAMBEK, J. *From types to sets* ◊ F35 F50 G30 ◊
- LAMBEK, J. & SCOTT, P.J. *Intuitionist type theory and the  
           free topos* ◊ F35 F50 G30 ◊
- LEVANT, D. *Innocuous substitutions* ◊ F30 F50 ◊
- LOPEZ-ESCOBAR, E.G.K. *Semantical models for  
           intuitionistic logics* ◊ C90 C95 F50 ◊
- LUCKHARDT, H. *On constructive functions ranging over  
           propositions* ◊ F50 ◊
- MATSUMOTO, K. & SHIRAI, K. *A note on elimination of  
           function symbols in the intuitionistic predicate calculus*  
     ◊ F50 ◊
- MEREDITH, D. *A positive logic proof procedure*  
     ◊ B20 B35 B40 F50 ◊
- MOSCHOVAKIS, J.R. *Kleene's realizability and "divides"  
           notions for formalized intuitionistic mathematics*  
     ◊ A10 F50 ◊
- POPOV, S.V. & ZAKHAR'YASHCHEV, M.V. *On the power of  
           countermodels in intuitionistic calculus (Russian)*  
     ◊ C90 F50 ◊
- PRANK, R.K. *Semantics of realizability for a language with  
           variables for recursively enumerable sets (Russian)*  
     ◊ B60 D25 F35 F50 ◊
- RAUSZER, C. *An algebraic and Kripke-style approach to a  
           certain extension of intuitionistic logic*  
     ◊ B55 C20 C90 F50 G25 ◊
- SCHULTZ, KONRAD *A topological model for Troelstra's  
           system CS of intuitionistic analysis*  
     ◊ C90 E70 F35 F50 ◊
- SCOTT, D.S. *Relating theories of the  $\lambda$ -calculus*  
     ◊ B40 C90 F50 G30 ◊
- SHVARTS, G.F. *The existence property with parameters for  
           some extensions of the intuitionistic theory of types  
           (Russian)* ◊ F35 F50 ◊
- SKVORTSOV, D.P. *On the connection of finitary general  
           validity of certain propositional formulas with  
           derivability in the Kreisel-Putnam logic (Russian)*  
     ◊ B55 F50 ◊
- SOYKA, D. *Metamathematische Methoden in der  
           konstruktiven Mathematik (Russian) (English and  
           French summaries)* ◊ F50 ◊
- STEIN, M. *Interpretations of Heyting's arithmetic - An  
           analysis by means of a language with set symbols*  
     ◊ F10 F30 F50 ◊
- TOSI, P. *Normal derivability and first-order arithmetic*  
     ◊ F05 F30 F50 ◊
- TROELSTRA, A.S. *Extended bar induction of type zero*  
     ◊ F35 F50 ◊
- TROELSTRA, A.S. *Intuitionistic extensions of the reals*  
     ◊ F35 F50 F55 ◊
- UMEZAWA, T. *Cut elimination in intuitionistic and some  
           intermediate predicate logics* ◊ B55 F05 F50 ◊
- VESLEY, R.E. *Intuitionistic analysis: the search for  
           axiomatization and understanding*  
     ◊ A10 F35 F50 ◊
- WRAITH, G.C. *Intuitionistic algebra: some recent  
           developments in topos theory* ◊ F50 G30 ◊

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- ASANIDZE, G.Z. *A dialogue justification of logic (Russian)*  
     ◊ B60 F50 F65 ◊
- BEESON, M.J. *Formalizing constructive mathematics: why  
           and how?* ◊ A05 F50 ◊
- BOILEAU, A. & JOYAL, A. *La logique des topos*  
     ◊ F50 G30 ◊
- BORICIC, B.R. *Equational reformulations of intuitionistic  
           propositional calculus and classical first-order predicate  
           calculus* ◊ B55 F50 ◊
- BROUWER, L.E.J. *Brouwer's Cambridge lectures on  
           intuitionism* ◊ A05 A10 F50 F55 F98 ◊
- BUCHHOLZ, W. & FEFERMAN, S. & POHLERS, W. &  
     SIEG, W. *Iterated inductive definitions and subsystems  
           of analysis: recent proof-theoretical studies*  
     ◊ F05 F15 F35 F50 F98 ◊
- BUCHHOLZ, W. *Ordinal analysis of ID<sub>v</sub>*  
     ◊ F15 F35 F50 ◊
- BUCHHOLZ, W. *The  $\Omega_{\mu+1}$ -rule*  
     ◊ F05 F15 F35 F50 ◊
- BURGESS, J.P. *The completeness of intuitionistic  
           propositional calculus for its intended interpretation*  
     ◊ B55 F50 ◊
- CELLUCCI, C. *A calculus of constructions as a  
           representation of intuitionistic logical proofs* ◊ F50 ◊
- DAHN, B.I. *Partial isomorphisms and intuitionistic logic*  
     ◊ C75 C90 F50 ◊
- DOSEN, K. *A reduction of classical propositional logic to  
           the conjunction-negation fragment of an intuitionistic  
           relevant logic* ◊ B46 B55 F50 ◊
- DOSEN, K. *Minimal modal systems in which Heyting and  
           classical logic can be embedded* ◊ B45 F50 ◊

- FEFERMAN, S. & SIEG, W. *Inductive definitions and subsystems of analysis* ♦ F35 F50 ♦
- FEFERMAN, S. & SIEG, W. *Proof-theoretic equivalence between classical and constructive theories for analysis* ♦ F35 F50 ♦
- FISCHER SERVI, G. *Semantics for a class of intuitionistic modal calculi* ♦ B45 B55 F50 ♦
- GABBAY, D.M. *Semantical investigations in Heyting's intuitionistic logic* ♦ B55 F50 F98 ♦
- GAVRILENKO, YU.V. *Recursive realizability from the intuitionistic point of view (Russian)* ♦ F35 F50 ♦
- GEL'FOND, M.G. *A class of theorems with valid constructive counterparts* ♦ F50 ♦
- GIARETTA, P. & MARTINO, E. *Brouwer, Dummett and the bar theorem* ♦ A10 F50 ♦
- GIELEN, W. & SWART DE, H.C.M. & VELDMAN, W. *The continuum hypothesis in intuitionism* ♦ E15 E50 F50 ♦
- GOLDBLATT, R.I. *Grothendieck topology as geometric modality* ♦ B25 B45 C90 F50 G30 ♦
- GORGY, F.W. *L'independance de quelques regles de deduction du systeme  $S_{\omega+n}$  de A. A. Markov* ♦ F50 ♦
- GORGY, F.W. & SAHYOUN, A.H. *Mutual transformability of the formulas of the basic languages of constructive mathematical logic* ♦ F50 ♦
- GRAYSON, R.J. *Concepts of general topology in constructive mathematics and in sheaves* ♦ C90 E35 E70 E75 F35 F50 F55 G30 ♦
- HAYASHI, S. *On set theory in toposes* ♦ E70 F50 G30 ♦
- HOWARD, W.A. *Computability of ordinal recursion of type level two* ♦ D20 F10 F15 F35 F50 ♦
- HOWARD, W.A. *Ordinal analysis of simple cases of bar recursion* ♦ F10 F15 F35 F50 ♦
- HYLAND, J.M.E. *Function spaces in the category of locales* ♦ F50 G30 ♦
- KHAKHANYAN, V.KH. *The consistency of some intuitionistic and constructive principles with a set theory* ♦ D20 E35 E70 F50 ♦
- KOCK, A. *Synthetic differential geometry* ♦ F50 G30 ♦
- KREISEL, G. *Monadic operators defined by means of propositional quantification in intuitionistic logic* ♦ F50 ♦
- LAMBEK, J. & SCOTT, P.J. *Independence of premisses and the free topos* ♦ F35 F50 G30 ♦
- LAMBEK, J. & SCOTT, P.J. *Intuitionist type theory and foundations* ♦ F35 F50 ♦
- LEIVANT, D. *Implicational complexity in intuitionistic arithmetic* ♦ F30 F50 ♦
- LOPEZ-ESCOBAR, E.G.K. *Equivalence between semantics for intuitionism I* ♦ F50 ♦
- LOPEZ-ESCOBAR, E.G.K. *Integrating intuitionistic and classical theories* ♦ F50 ♦
- LOPEZ-ESCOBAR, E.G.K. *On the interpolation theorem for the logic of constant domains* ♦ B55 C40 C90 F50 ♦
- LOPEZ-ESCOBAR, E.G.K. *Variations on a system of Gentzen* ♦ B55 F50 ♦
- MIGLIOLI, P.A. & ORNAGHI, M. *A logically justified model of computation. I,II* ♦ B75 D80 F07 F50 ♦
- MIGLIOLI, P.A. & MOSCATO, U. & ORNAGHI, M. *Trees in Kripke models and in an intuitionistic refutation system* ♦ C90 F50 ♦
- MORICONI, E. *Sulla completezza del calcolo dei predicati intuizionista* ♦ F50 ♦
- MOSCHOVAKIS, J.R. *A disjunctive decomposition theorem for classical theories* ♦ F35 F50 ♦
- MURAVITSKIJ, A.YU. *Strong equivalence on an intuitionistic Kripke model and assertorically equivolumetric logics (Russian)* ♦ B55 C90 F50 ♦
- NEGRI, M. *L'arimetizzazione della computabilità dei funzionali di tipo finito* ♦ F10 F35 F50 ♦
- PEACOCKE, C. *Hacking on logic: two comments* ♦ A05 F50 ♦
- PENON, J. *Infinitesimaux et intuitionnisme* ♦ E75 F50 G30 ♦
- PLIUSKEVICIUS, R. *On the Gentzen type proof theory for program analysis* ♦ B75 F07 F35 F50 ♦
- POHLERS, W. *Proof-theoretical analysis of ID<sub>v</sub> by the method of local predicativity* ♦ F05 F15 F35 F50 ♦
- POSY, C.J. & SWART DE, H.C.M. *Validity and quantification in intuitionism* ♦ A05 F50 ♦
- PRANK, R.K. *Expressibility in the elementary theory of recursively enumerable sets with realizability logic (Russian)* ♦ B60 D25 F50 ♦
- PRAWITZ, D. *Validity and normalizability of proofs in 1st and 2nd order classical and intuitionistic logic* ♦ F05 F07 F35 F50 ♦
- RENARDEL DE LAVALETTE, G.R. *The interpolation theorem in fragments of logics* ♦ B20 B55 C40 F50 ♦
- REYES, G.E. *Logic and category theory* ♦ F35 F50 G30 ♦
- SCEDROV, A. *Consistency and independence results in intuitionistic set theory* ♦ E35 E70 F50 G30 ♦
- SHANIN, N.A. *Role of a notion algorithm in the arithmetic language semantics* ♦ B75 F30 F50 ♦
- SHIMODA, M. *Categorical aspects of Heyting-valued models for intuitionistic set theory* ♦ C90 E40 E70 F50 G30 ♦
- SIEG, W. *Inductive definitions, constructive ordinals, and normal derivations* ♦ F05 F15 F35 F50 ♦
- SPRING, D. *The Riemann integral in constructive mathematics* ♦ F50 ♦
- STEIN, M. *A general theorem on existence theorems* ♦ B40 F10 F35 F50 ♦
- TAKEUTI, G. *Logic and set theory* ♦ B51 B98 E40 E70 F50 ♦
- TAUTS, A. *The connection between semantic models and pseudo-boolean algebras (Russian) (Estonian and German summaries)* ♦ C75 C90 F50 G10 ♦
- TROELSTRA, A.S. *Lawless sequences and their uses* ♦ F35 F50 ♦
- TROELSTRA, A.S. *On a second order propositional operator in intuitionistic logic* ♦ B55 F35 F50 ♦
- TROELSTRA, A.S. *The interplay between logic and mathematics: Intuitionism* ♦ A05 F50 F98 ♦
- UESU, T. *Intuitionistic theories and toposes* ♦ E70 F50 G30 ♦

UESU, T. *Intuitionistic theories and topoi (Japanese)*  
 ◊ E70 F50 G30 ◊

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- ACZEL, P. *The type theoretic interpretation of constructive set theory: choice principles* ◊ E25 E70 F35 F50 ◊  
 BEESON, M.J. *Problematic principles in constructive mathematics* ◊ F50 ◊  
 BEESON, M.J. *Recursive models for constructive set theories* ◊ E70 F35 F50 ◊  
 BOZZI, S. *Formule attuali ed ereditarie nella logica intuizionista* ◊ C90 F50 ◊  
 DALEN VAN, D. & LODDER, J.S. *Lawlessness and independence* ◊ F35 F50 ◊  
 FEFERMAN, S. *Monotone inductive definitions*  
 ◊ F35 F50 ◊  
 FOURMAN, M.P. & GRAYSON, R.J. *Formal spaces*  
 ◊ F50 G30 ◊  
 FOURMAN, M.P. *Notions of choice sequence*  
 ◊ F35 F50 G30 ◊  
 FOURMAN, M.P. & SCEDROV, A. *The "world's simplest axiom of choice" fails* ◊ E25 E35 F50 G30 ◊  
 GABBAY, D.M. *Intuitionistic basis for non-monotonic logic*  
 ◊ B55 C90 F50 ◊  
 GEORGACARAKOS, G.N. *The semantics of minimal intuitionism* ◊ B55 F50 ◊  
 GIRARD, J.-Y. *Proof-theoretic investigations of inductive definitions I* ◊ F05 F35 F50 ◊  
 GORDEEV, L.N. *Constructive models for set theory with extensionality* ◊ C62 E70 F50 ◊  
 GRAYSON, R.J. *Concepts of general topology in constructive mathematics and in sheaves II*  
 ◊ E75 F50 F55 G30 ◊  
 GRAYSON, R.J. *Constructive well-orderings*  
 ◊ E10 E70 F50 ◊  
 HAYASHI, S. *A note on the bar induction rule*  
 ◊ F35 F50 ◊  
 HOEVEN VAN DER, G.F. *An application of projections of lawless sequences* ◊ F35 F50 ◊  
 HOEVEN VAN DER, G.F. *Models for the theory of lawless sequences constructed from a single generator*  
 ◊ F35 F50 ◊  
 HOEVEN VAN DER, G.F. *Projections of lawless sequences*  
 ◊ F35 F50 ◊  
 HYLAND, J.M.E. *Applications of constructivity*  
 ◊ F35 F50 ◊  
 HYLAND, J.M.E. *The effective topos*  
 ◊ D75 D80 F35 F50 G30 ◊  
 JAEGER, G. *Iterating admissibility in proof theory*  
 ◊ F35 F50 ◊  
 JOHNSTONE, P.T. *Stone spaces* ◊ F50 G30 ◊  
 JONGH DE, D.H.J. *Formulas of one propositional variable in intuitionistic arithmetic* ◊ F30 F50 ◊  
 KREISEL, G. & MACINTYRE, A. *Constructive logic versus algebraization I* ◊ A05 F05 F50 ◊  
 LIFSHCITZ, V. *Constructive assertions in an extension of classical mathematics* ◊ F50 ◊  
 MARCHINI, C. *Realizations and witnesses for Kripke models* ◊ C90 F50 G30 ◊  
 MARTIN-LOEF, P. *Constructive mathematics and computer programming* ◊ B75 F35 F50 ◊

- MARTINO, E. *Creative subject and bar theorem* ◊ F50 ◊  
 MINTS, G.E. & TYUGU, E.KH. *The completeness of structural synthesis rules (Russian)*  
 ◊ B20 B75 D20 F50 ◊  
 MIZUTANI, C. *Definability theorem for the intuitionistic predicate logic with equality* ◊ F50 ◊  
 MOERDIJK, I. *Glueing topoi and higher-order disjunction and existence* ◊ F35 F50 G30 ◊  
 MOERDIJK, I. *Some topological spaces which are universal for intuitionistic predicate logic* ◊ F50 ◊  
 MOTOHASHI, N. *An elimination theorem of uniqueness conditions in the intuitionistic predicate calculus*  
 ◊ F50 ◊  
 NEPEJVODA, N.N. *Constructive logics (Russian)*  
 ◊ B60 C90 C95 F50 ◊  
 RATSA, M.F. *Functional completeness in intuitionistic propositional logic (Russian)* ◊ F50 ◊  
 SCEDROV, A. & SCOTT, P.J. *A note on the Friedman slash and Freyd covers* ◊ F35 F50 G30 ◊  
 SCEDROV, A. *Independence of the fan theorem in the presence of continuity principles* ◊ F35 F50 G30 ◊  
 SCHROEDER-HEISTER, P. *Logische Konstanten und Regeln. Zur Deutung von Aussagenoperatoren*  
 ◊ F07 F50 ◊  
 SEELY, R.A.G. *Locally Cartesian closed categories and type theory I* ◊ B15 F35 F50 G30 ◊  
 SMORYNSKI, C.A. *Nonstandard models and constructivity*  
 ◊ C62 F30 F50 ◊  
 TROELSTRA, A.S. *Intuitionistic extensions of the reals II*  
 ◊ F35 F50 F55 ◊  
 TROELSTRA, A.S. & DALEN VAN, D. (EDS.) *The L.E.J. Brouwer centenary symposium*  
 ◊ A05 A10 B97 F50 F55 F97 ◊  
 UMEZAWA, T. *Definability and strict definability of logical symbols in intuitionistic predicate logics of first and higher order* ◊ F50 ◊  
 VELDMAN, W. *On the constructive contrapositions of two axioms of countable choice* ◊ E25 E70 F50 F55 ◊  
 VISSER, A. *On the completeness principle: a study of provability in Heyting's arithmetic and extensions*  
 ◊ F30 F50 ◊

## 1983

- ARZARELLO, F. *Un'interpretazione categoriale degli oggetti anomici* ◊ F35 F50 G30 ◊  
 BLASS, A.R. *Words, free algebras, and coequalizers*  
 ◊ C05 C75 E25 E35 F50 F55 G30 ◊  
 BORICIC, B.R. *Equational reformulation of the Heyting first-order predicate calculus* ◊ F50 ◊  
 BOZIC, M. & DOSEN, K. *Axiomatizations of intuitionistic double negation* ◊ B55 F50 ◊  
 BOZZI, S. *Principi ideali e logica intuizionista*  
 ◊ A05 F50 ◊  
 CONSTABLE, R.L. *Constructive mathematics as a programming logic I: some principles of theory*  
 ◊ B75 F50 ◊  
 FABIANO, A. *Completezza della logica intuizionista rispetto a modelli con coperture (English summary)* ◊ F50 ◊  
 FITTING, M. *Proof methods for modal and intuitionistic logics* ◊ B45 B55 F07 F50 F98 ◊

- FRIEDMAN, H.M. & SCEDROV, A. *Set existence property for intuitionistic theories with dependent choice*  
◊ E70 F35 F50 ◊
- GIARETTA, P. *On the construction of sequences in the theory of the creative subject (Italian)* ◊ F50 ◊
- GORGY, F.W. & SAHYOUN, A.H. *Mutual transformability of the formulas of the languages of Markov  $L_{\omega N}$  and  $\Lambda_{N_1}$*  ◊ F50 ◊
- GORGY, F.W. & SAHYOUN, A.H. *Transformability of the formulas of the languages of Markov  $L_N, L_\omega$  into formulas of the language  $\Lambda_2$*  ◊ F50 ◊
- GRAYSON, R.J. *Forcing in intuitionistic systems without power-set* ◊ E40 E70 F35 F50 ◊
- GRAYSON, R.J. *On closed subsets of the intuitionistic reals*  
◊ F50 ◊
- GRAYSON, R.J. & MOERDIJK, I. *Some remarks on extending bar induction* ◊ F35 F50 ◊
- HAYASHI, S. *Constructive mathematics and program synthesis (Japanese)* ◊ B75 F50 ◊
- HAYASHI, S. *Extracting Lisp programs from constructive proofs: a formal theory of constructive mathematics based on Lisp* ◊ B35 F35 F50 ◊
- HOEVEN VAN DER, G.F. & MOERDIJK, I. *On an independence result in the theory of lawless sequences*  
◊ F35 F50 ◊
- KAHAKHANYAN, V.KH. *Set theory and Church's thesis (Russian)* ◊ D20 E35 E70 F30 F35 F50 ◊
- KOVVTUN, M.R. *A system of intuitionistic analysis that is equivalent to classical analysis (Russian) (English summary)* ◊ F35 F50 ◊
- KROL', M.D. *Various forms of the continuity principle (Russian)* ◊ F30 F50 ◊
- LAMBEK, J. & SCOTT, P.J. *New proofs of some intuitionistic principles* ◊ F35 F50 G30 ◊
- LATOCHA, P. *The problem of structural completeness of the intuitionistic propositional logic and its fragments*  
◊ F50 ◊
- LAVENDHOMME, R. & LUCAS, T. *A note on intuitionistic models of ZF* ◊ E70 F50 G30 ◊
- LEBLANC, H. & MORGAN, C.G. *Probabilistic semantics for intuitionistic logic* ◊ B48 F50 ◊
- LEBLANC, H. & MORGAN, C.G. *Probability theory, intuitionism, semantics, and the Dutch book argument*  
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- LOPEZ-ESCOBAR, E.G.K. *A second paper on the interpolation theorem for the logic of constant domains*  
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- MARKOVIC, Z. *Some preservation results for classical and intuitionistic satisfiability in Kripke models*  
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- MARTINO, E. *Connection between the "principle of inductive evidence" and the bar theorem* ◊ F50 ◊
- MARTINO, E. *Semantica intuizionista naturale e semantica di Beth generalizzata* ◊ F50 ◊
- MCCARTY, C. *Intuitionism: an introduction to a seminar*  
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- MOERDIJK, I. *On the Freyd cover of a topos*  
◊ F35 F50 G30 ◊
- MUCHNIK, A.A. *Supplement of the translator to the paper "On alternation. I, II" (Russian)*  
◊ B45 D05 D10 D15 F50 ◊
- NEPEJVODA, N.N. *Notes concerning constructive implicative logics (Russian)* ◊ B55 F50 ◊
- PLISKO, V.E. *Absolute realizability of predicate formulas (Russian)* ◊ F50 ◊
- ROSOLINI, G. *Un modello per la teoria intuizionista degli insiemi* ◊ E70 F50 G30 ◊
- SCEDROV, A. & VESLEY, R.E. *On a weakening of Markov's principle* ◊ F35 F50 ◊
- SCHROEDER-HEISTER, P. *The completeness of intuitionistic logic with respect to a validity concept based on an inversion principle* ◊ F07 F50 ◊
- SCHWICHENBERG, H. *On Martin-Loef's theory of types*  
◊ B15 F35 F50 ◊
- SEELY, R.A.G. *Hyperdoctrines, natural deduction and the Beck condition* ◊ F07 F50 G30 ◊
- SHVARTS, G.F. *Properties of effectiveness of logical connectives in the intuitionistic theory of types (Russian)*  
◊ F35 F50 ◊
- SKVORTSOV, D.P. *The intuitionistic propositional calculus with an additional logical connective (Russian)*  
◊ F50 ◊
- SMITH, JAN *The identification of propositions and types in Martin-Loef's type theory: a programming example*  
◊ B75 F35 F50 ◊
- STEPANOV, V.I. *On model theory for intuitionistic logic (Russian)* ◊ C90 F50 ◊
- SUNDHOLM, G. *Constructions, proofs and the meaning of logical constants* ◊ A05 F50 ◊
- TROELSTRA, A.S. *Analysing choice sequences*  
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- TROELSTRA, A.S. *Definability of finite sum types in Martin-Loef's type theories* ◊ F35 F50 ◊
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- WENDEL, N. *Kontextuelle Definition neuer Wahlfolgen*  
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- WOJTYLAK, P. *Collapse of a class of infinite disjunctions in intuitionistic propositional logic* ◊ F50 ◊

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- ARAI, T. *An accessibility proof of ordinal diagrams in intuitionistic theories for iterated inductive definitions*  
◊ F15 F35 F50 ◊
- BEESON, M.J. & SCEDROV, A. *Church's thesis, continuity, and set theory* ◊ D20 E70 F50 ◊
- BERTONI, A. & MAURI, G. & MIGLIOLI, P.A. &  
ORNAGHI, M. *Abstract data types and their extensions within a constructive logic* ◊ B75 F50 ◊
- BURGESS, J.P. *Dummett's case for intuitionism*  
◊ A05 F50 ◊
- DALEN VAN, D. *How to glue analysis models*  
◊ C65 C90 F35 F50 ◊
- DILLER, J. & TROELSTRA, A.S. *Realizability and intuitionistic logic* ◊ A05 F30 F35 F50 ◊
- DOSEN, K. *Intuitionistic double negation as a necessity operator* ◊ B45 F50 ◊

- DOSEN, K. *Negative modal operators in intuitionistic logic* ◇ B55 F50 ◇
- FEFERMAN, S. *Between constructive and classical mathematics* ◇ A05 F35 F50 F55 ◇
- FOURMAN, M.P. *Continuous truth. I. Nonconstructive objects* ◇ A05 E70 F35 F50 G30 ◇
- FRIEDMAN, H.M. & SCEDROV, A. *Large sets in intuitionistic set theory* ◇ E55 E70 F50 ◇
- GOODMAN, NICOLAS D. *Epistemic arithmetic is a conservative extension of intuitionistic arithmetic* ◇ B45 F05 F30 F50 ◇
- GRAYSON, R.J. *Heyting-valued semantics* ◇ B15 C90 F35 F50 G30 ◇
- HAYASHI, S. *Constructive mathematics and program synthesis* ◇ B75 F50 ◇
- HOEVEN VAN DER, G.F. & MOERDIJK, I. *Constructing choice sequences from lawless sequences of neighbourhood functions* ◇ C90 F35 F50 ◇
- HOEVEN VAN DER, G.F. & MOERDIJK, I. *On choice sequences determined by spreads* ◇ D30 D55 F35 F50 G30 ◇
- HOEVEN VAN DER, G.F. & MOERDIJK, I. *Sheaf models for choice sequences* ◇ C90 F35 F50 G30 ◇
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- KASHAPOVA, F.R. *Constructive set theory with types, and consistency with Church's thesis (Russian)* ◇ D20 E70 F35 F50 ◇
- KASHAPOVA, F.R. *Determination of classes of constructively derivable theorems in a many-sorted intuitionistic set theory equivalent to second-order arithmetic (Russian)* ◇ F35 F50 ◇
- KONDO, M. *The completeness theorems for some intuitionistic epistemic logics in terms of interval semantics* ◇ B45 F50 ◇
- KREISEL, G. *Frege's foundations and intuitionistic logic* ◇ A05 F50 ◇
- KRIVTSOV, V.N. *A formal system of negationless arithmetic is conservative with respect to Heyting arithmetic (Russian)* ◇ F30 F50 ◇
- KRIVTSOV, V.N. *Deductive possibilities of intuitionistic analysis without negation (Russian)* ◇ F35 F50 ◇
- KRIVTSOV, V.N. *Imbedding of the intuitionistic theory of types into the negationless intuitionistic theory of types (Russian)* ◇ F35 F50 ◇
- LAMBEK, J. & SCOTT, P.J. *Aspects of higher order categorical logic* ◇ B15 F35 F50 G30 ◇
- LAVENDHOMME, R. & LUCAS, T. *Une interpretation modale de la logique intuitionniste (English summary)* ◇ B45 F50 ◇
- LIU, SHICHAO *A proof-theoretic approach to nonstandard analysis (continued)* ◇ E70 F50 H05 ◇
- MARGENSTERN, M. *Sur une extension simple du calcul intuitionniste des predicats du premier ordre appliquée à l'analyse* ◇ F50 ◇
- MARKOVIC, Z. *Kripke models for intuitionistic theories with decidable atomic formulas* ◇ C90 F50 ◇
- MARTIN, J.N. *Epistemic semantics for classical and intuitionistic logic* ◇ B50 F50 ◇
- MARTIN-LOEF, P. *Intuitionistic type theory. Notes by Giovanni Sambin of a series of lectures given in Padua, June 1980* ◇ F35 F50 F98 ◇
- MCCARTY, C. *Information systems, continuity and realizability* ◇ B75 F50 ◇
- MOERDIJK, I. & REYES, G.E. *De Rham's theorem in a smooth topos* ◇ F50 G30 ◇
- MOERDIJK, I. *Heine-Borel does not imply the Fan theorem* ◇ C90 E35 F35 F50 G30 ◇
- MOERDIJK, I. & REYES, G.E. *Smooth spaces versus continuous spaces in models for synthetic differential geometry* ◇ F35 F50 G30 ◇
- MOTOHASHI, N. *Approximation theory of uniqueness conditions by existence conditions* ◇ C40 C75 C80 F07 F50 ◇
- NORDSTROEM, B. & SMITH, JAN *Propositions and specifications of programs in Martin-Löf's type theory* ◇ B75 F35 F50 ◇
- RENARDEL DE LAVALETTE, G.R. *Descriptions in mathematical logic* ◇ B10 F50 ◇
- RUITENBURG, W. *On the period of sequences ( $A^n(p)$ ) in intuitionistic propositional calculus* ◇ F50 ◇
- SCEDROV, A. *Forcing and classifying topoi* ◇ C90 E35 E40 F50 G30 ◇
- SCEDROV, A. *On some nonclassical extensions of second-order intuitionistic propositional calculus* ◇ B55 F50 ◇
- SCHROEDER-HEISTER, P. *A natural extension of natural deduction* ◇ B22 F07 F50 ◇
- SCHROEDER-HEISTER, P. *Generalized rules for quantifiers and the completeness of the intuitionistic operators &, v, , , , , , , ,* ◇ F07 F50 ◇
- SCOWCROFT, P. *The real algebraic structure of Scott's model of intuitionistic analysis* ◇ B25 C90 F35 F50 ◇
- SEELY, R.A.G. *Locally Cartesian closed categories and type theory* ◇ F35 F50 ◇
- UESU, T. *A method of axiomatizing fragments of intuitionistic theories* ◇ F50 ◇
- UESU, T. *An axiomatization of the apartness fragment of the theory  $DLO^+$  of dense linear order* ◇ F05 F50 ◇
- WOJTYLAK, P. *A recursive theory for the {¬, ∧, ∨, →, o} fragment of intuitionistic logic* ◇ F50 ◇
- YASHIN, A.D. *Completeness of the intuitionistic predicate calculus with the concept of "bar" (Russian)* ◇ C90 F05 F50 ◇
- YASHIN, A.D. *Intuitionistic logical connectives on linear structures (Russian)* ◇ F50 ◇
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- ARZARELLO, F. *Methods of realizability and forcing in the metamathematics of constructive formal systems (Italian)* ◇ F50 ◇
- BARR, M. & WELLS, C. *Toposes, triples and theories* ◇ C98 E98 F35 F50 G30 ◇
- BEESON, M.J. *Foundations of constructive mathematics* ◇ F50 F55 F60 F98 ◇
- BEZEM, M. *Strongly majorizable functionals of finite type: A model for barrecursion containing discontinuous functionals* ◇ F10 F35 F50 ◇

- DOSEN, K. *An intuitionistic Sheffer function*  
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- DYMENT, E.Z. *On the interpretation of the intuitionistic predicate calculus by means of the problem calculus with parameters (Russian)* ◊ F50 ◊
- FEFERMAN, S. *High-level programs and typed vs. untyped constructive foundations* ◊ A05 F35 F50 ◊
- FELSCHER, W. *Dialogues, strategies, and intuitionistic provability* ◊ F05 F07 F50 ◊
- FLAGG, R.C. *Church's thesis is consistent with epistemic arithmetic* ◊ F30 F50 ◊
- FLAGG, R.C. *Epistemic set theory is a conservative extension of intuitionistic set theory*  
     ◊ B45 E35 E70 F50 ◊
- FRIEDMAN, H.M. & SCEDROV, A. *Arithmetic transfinite induction and recursive well-orderings*  
     ◊ D45 F30 F50 ◊
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     ◊ F10 F35 F50 ◊
- GOODMAN, NICOLAS D. *Replacement and collection in intuitionistic set theory* ◊ E35 E70 F50 ◊
- JANKOWSKI, A.W. & ZAWADOWSKI, M. *Sheaves over Heyting lattices* ◊ C90 F35 F50 G10 G30 ◊
- KUZNETSOV, A.V. *Proof-intuitionistic propositional calculus (Russian)* ◊ F50 ◊
- LEIVANT, D. *Syntactic translations and provably recursive functions* ◊ D20 F30 F50 ◊
- LIFSCHITZ, V. *Calculable natural numbers*  
     ◊ B28 F30 F50 ◊
- MARTINO, E. *On the Brouwerian concept of negative continuity* ◊ A10 F50 F55 ◊
- MARTINO, E. *On Brower's concept of negative continuity (Italian)* ◊ A05 A10 F50 F55 ◊
- MAYBERRY, J. *Global quantification in Zermelo-Fraenkel set theory* ◊ E30 E70 F10 F50 ◊
- MURAVITSKII, A.YU. *Correspondence of proof-intuitionistic logic extensions to proof-logic extensions (Russian)* ◊ F50 ◊
- ONO, H. *Semantical analysis of predicate logics without the contraction rule* ◊ B10 C90 F50 ◊
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- RENARDEL DE LAVALETTE, G.R. *A type-free system for constructive metamathematics* ◊ F50 ◊
- SCEDROV, A. *Extending Goedel's modal interpretation to type theory and set theory*  
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- SCHWICHTENBERG, H. *A normal form for natural deductions in a type theory with realizing terms*  
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- TROELSTRA, A.S. *Choice sequences and informal rigour*  
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## F55 Constructive and intuitionistic mathematics

**1885**

MOLK, J. *Sur une notion qui comprend celle de la divisibilité et sur la théorie générale de l'élimination*  
 ♦ F55 F65 ♦

**1887**

KRONECKER, L. *Ueber den Zahlbegriff*  
 ♦ B28 F55 F65 ♦

**1906**

HOBSON, E.W. *On the arithmetic continuum*  
 ♦ A05 E47 F35 F55 ♦

**1907**

BROUWER, L.E.J. *On the foundations of mathematics (Dutch)* ♦ A05 E30 F55 ♦

**1908**

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BROUWER, L.E.J. *The unreliability of the logical principles (Dutch)* ♦ A05 F55 ♦

**1909**

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 ♦ E10 F55 ♦

**1911**

BOCKWINKEL, H.B.A. *A constructive proof of the theorem of Borel (Dutch)* ♦ E75 F55 ♦

**1912**

BROUWER, L.E.J. *Intuitionism and formalism (Dutch)*  
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**1914**

BROUWER, L.E.J. *Review of Schoenflies's "Die Entwicklung der Mengenlehre und ihre Anwendungen, erste Hälfte"* ♦ A05 A10 E70 E98 F55 ♦

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BROUWER, L.E.J. *Addenda and corrigenda to: On the foundations of mathematics (Dutch)* ♦ A05 F55 ♦

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BROUWER, L.E.J. *Begründung der Mengenlehre unabdingig vom logischen Satz vom ausgeschlossenen Dritten. I: Allgemeine Mengenlehre* ♦ E70 F55 ♦

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**1921**

BROUWER, L.E.J. *Besitzt jede reelle Zahl eine Dezimalbruchentwicklung?* ♦ F55 ♦  
 WEYL, H. *Ueber die neue Grundlagenkrise der Mathematik* ♦ A05 E70 F55 ♦

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BALDUS, R. *Formalismus und Intuitionismus in der Mathematik* ♦ A05 F55 F98 ♦

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BROUWER, L.E.J. & LOOR DE, B. *Intuitionistischer Beweis des Fundamentalsatzes der Algebra* ♦ F55 ♦

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BROUWER, L.E.J. *Perfect sets of primes with positively irrational distances* ♦ F55 ♦

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WEYL, H. *Randbemerkungen zu Hauptproblemen der Mathematik* ♦ B30 F55 ♦

**1925**

BROUWER, L.E.J. *Intuitionistische Zerlegung mathematischer Grundbegriffe* ♦ F55 ♦

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HEYTING, A. *Intuitionistic axiomatics of projective geometry (Dutch)* ♦ F55 ♦

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HERMANN, G. *Die Frage der endlich vielen Schritte in der Theorie der Polynomideale* ♦ C57 C60 D45 F55 ♦

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- BROUWER, L.E.J. *Ueber Definitionsbereiche von Funktionen* ♦ F55 ♦  
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- BROUWER, L.E.J. *Beweis dass jede Menge in einer individualisierten Menge enthalten ist* ♦ E70 F55 ♦  
 HEYTING, A. *Die Theorie der linearen Gleichungen in einer Zahlenspezies mit nicht-kommutativer Multiplikation* ♦ F55 ♦  
 HEYTING, A. *Zur intuitionistischen Axiomatic der projektiven Geometrie* ♦ F55 ♦

## 1929

- BELINFANTE, M.J. *Ueber einen Grenzwertsatz aus der Theorie der unendlichen Folgen* ♦ F55 ♦  
 BELINFANTE, M.J. *Zur intuitionistischen Theorie der unendlichen Reihen* ♦ F55 ♦  
 BROUWER, L.E.J. *Mathematik, Wissenschaft und Sprache* ♦ A05 F55 ♦  
 EUWE, M. *Mengentheoretische Betrachtungen ueber das Schachspiel* ♦ E60 F55 ♦  
 HEYTING, A. *The countability predicates of Professor Brouwer (Dutch)* ♦ F55 F99 ♦  
 LUZIN, N.N. *Sur les voies de la theorie des ensembles* ♦ A05 D55 E15 E50 F55 ♦

## 1930

- BELINFANTE, M.J. *Absolute Konvergenz in der intuitionistischen Mathematik* ♦ F55 ♦  
 BELINFANTE, M.J. *Ueber eine besondere Klasse von non-oszillierenden Reihen* ♦ F55 ♦  
 BROUWER, L.E.J. *Die Struktur des Kontinuums* ♦ A05 F55 ♦  
 BROUWER, L.E.J. *Review of A.Fraenkel "Zehn Vorlesungen ueber die Grundlagen der Mengenlehre"* ♦ A05 F55 ♦  
 WAERDEN VAN DER, B.L. *Eine Bemerkung ueber die Unzerlegbarkeit von Polynomen* ♦ B25 C60 D45 F55 ♦

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 GOEDEL, K. *Zum intuitionistischen Aussagenkalkuel* ♦ F50 F55 ♦  
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## 1933

- BROUWER, L.E.J. *Volition, knowledge, speech (Dutch)* ♦ A05 F55 ♦

## 1934

- VANDIVER, H.S. *On the foundations of a constructive theory of discrete commutative algebra* ♦ F55 ♦

## 1935

- BERNAYS, P. *Quelques points essentiels de la metamathematique* ♦ A05 F55 ♦  
 BERNAYS, P. *Sur le platonisme dans les mathematiques* ♦ A05 A10 E30 E70 F55 ♦  
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## 1936

- HEYTING, A. *Intuitionistic mathematics I,II,III (Dutch)* ♦ F55 ♦  
 MANIA, B. *L'infini mathematique et l'evolution de la logique* ♦ A05 F55 F65 ♦  
 VANDIVER, H.S. *Constructive derivation of the decomposition-field of a polynomial* ♦ F55 ♦  
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- FREUDENTHAL, H. *Zum intuitionistischen Raumbegrieff* ♦ F55 ♦  
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 HEYTING, A. *The development of intuitionistic mathematics (Dutch)* ♦ A05 F55 ♦

## 1938

- DIENES, P. *Logic of algebra* ♦ A05 B28 F55 G05 ♦  
 GENTZEN, G. *Die gegenwaertige Lage in der mathematischen Grundlagenforschung* ♦ A05 A10 F55 F65 ♦

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- KNESER, H. *Der Fundamentalsatz der Algebra und der Intuitionismus* ♦ F55 ♦  
 LARGUIER, E.H. *Brouwerian philosophy of mathematics* ♦ A05 F55 ♦

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- BELINFANTE, M.J. *Elemente der intuitionistischen Funktionentheorie. Erste Mitteilung: Die Cauchyschen Integralsaetze und die Taylorsche Reihe. Zweite, dritte Mitteilung: Der Satz vom Integral der logarithmischen Ableitung I,II* ♦ F55 ♦  
 BELINFANTE, M.J. *Elemente der intuitionistischen Funktionentheorie. Vierte Mitteilung: Der*

- Weierstrass'sche Unbestimmtheitssatz. Fuenfte Mitteilung: Die intuitionistische Uebertragung des Picardschen Satzes ◊ F55 ◊  
 CHANDRASEKHARAN, K. *The logic of intuitionistic mathematics* ◊ E70 F55 ◊  
 HEYTING, A. *Untersuchungen ueber intuitionistische Algebra* ◊ F55 ◊

## 1942

- BROUWER, L.E.J. *Beweis dass der Begriff der Menge hoherer Ordnung nicht als Grundbegriff der intuitionistischen Mathematik in Betracht kommt* ◊ F55 ◊  
 BROUWER, L.E.J. *Die repraesentierende Menge der stetigen Funktionen des Einheitskontinuums* ◊ F55 ◊  
 BROUWER, L.E.J. *Zum freien Werden von Mengen und Funktionen* ◊ E70 F55 ◊  
 CHANDRASEKHARAN, K. *Intuitionistic theory of linear order* ◊ E07 E70 F55 ◊  
 DANTZIG VAN, D. *A remark and a problem concerning the intuitionistic form of Cantor's intersection theorem* ◊ E20 F55 ◊  
 DANTZIG VAN, D. *On the affirmative content of Peano's theorem on differential equations* ◊ F55 ◊

## 1944

- GRISS, G.F.C. *Negationless intuitionistic mathematics* ◊ F50 F55 ◊

## 1945

- CHANDRASEKHARAN, K. *A further note on intuitionistic set theory* ◊ E70 F55 ◊  
 ROSENBLOOM, P.C. *An elementary constructive proof of the fundamental theorem of algebra* ◊ F55 ◊

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- DIJKMAN, J.G. *Einige Saetze ueber mehrfach negativ-konvergente Reihen in der intuitionistischen Mathematik* ◊ F55 ◊  
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- TROELSTRA, A.S. *Intuitionistic continuity* ◊ F55 ◊
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 STOLZENBERG, G. *Constructive normalization of an algebraic variety* ♦ F55 ♦  
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 TROELSTRA, A.S. *One-point compactifications of intuitionistic locally compact spaces* ♦ F55 ♦  
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 GIBSON, C.G. *The intuitionist measure* ♦ F55 ♦  
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 HEYTING, A. *Remark on the paper by Ashvinikumar "The intuitionist contradictority of certain classical set-theoretic results"* ♦ F55 ♦  
 HOMAGK, F. *Ein intuitionistischer Beweis fuer den Graphensatz von D. Koenig* ♦ F55 ♦  
 TROELSTRA, A.S. *Informal theory of choice sequences (Polish and Russian summaries)* ♦ F35 F50 F55 ♦  
 TROELSTRA, A.S. *Principles of intuitionism* ♦ F35 F50 F55 F98 ♦

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 BELDING, W.R. *A note on the intuitionistic fan theorem* ♦ F55 ♦  
 BISHOP, E.A. *Mathematics as a numerical language* ♦ A05 F50 F55 ♦  
 HEYTING, A. *Recent progress in intuitionistic analysis* ♦ F55 ♦  
 SEIDENBERG, A. *Construction of the integral closure of a finite integral domain* ♦ C57 C60 F55 ♦  
 STOLZENBERG, G. *Review: Foundations of constructive analysis by Errett Bishop* ♦ A05 F55 ♦

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 BELDING, W.R. *Intuitionistic negation* ♦ B55 F55 ♦  
 CHAN, Y.K. *A constructive proof of Sard's theorem* ♦ F55 ♦  
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 STAPLES, J. *On constructive fields* ♦ F55 ♦

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- BISHOP, E.A. & CHENG, HENRY *Constructive measure theory* ♦ F55 ♦  
 CHAN, Y.K. *A constructive study of measure theory* ♦ F55 ♦  
 CHAN, Y.K. *A constructive approach to the theory of stochastic processes* ♦ F55 ♦  
 CONSTABLE, R.L. *Constructive mathematics and automatic program writers* ♦ B75 D15 F55 ♦  
 GIBSON, C.G. *On the almost periodicity of trigonometric polynomials in constructive mathematics* ♦ F55 ♦  
 GOODMAN, NICOLAS D. & MYHILL, J.R. *The formalization of Bishop's constructive mathematics* ♦ F35 F50 F55 ♦  
 LEE, PENGYEE *A constructive proof of a Differential inequality* ♦ F55 ♦  
 MYHILL, J.R. *What is a real number?* ♦ F55 F60 ♦  
 NUBER, J.A. *A constructive ergodic theorem* ♦ F55 ♦  
 SEIDENBERG, A. *Constructive proof of Hilbert's theorem on ascending chains* ♦ F55 ♦  
 SHUKLA, S.L. *Intuitionist treatment of some spaces of sequences* ♦ F55 ♦  
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 SHUKLA, S.L. *On some linear spaces which coincide classically but are different intuitionistically* ♦ F55 ♦

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- CHENG, HENRY *A constructive Riemann mapping theorem* ♦ F55 ♦  
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 RICHMAN, F. *The constructive theory of countable abelian p-groups* ♦ F55 ♦  
 SEIDENBERG, A. *On the impossibility of some constructions in polynomial rings* ♦ C60 F55 ♦  
 SHUKLA, S.L. *On a new method in intuitionist linear analysis* ♦ F55 ♦  
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- MULVEY, C.J. *Intuitionistic algebra and representations of rings* ♦ C60 C90 F50 F55 G30 ♦  
 RICHMAN, F. *Constructive aspects of noetherian rings*  
 ♦ F55 ♦  
 SEIDENBERG, A. *Constructions in algebra* ♦ F55 ♦  
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 WIEDMER, E. *Ein neuer negationsloser Beweis eines Satzes von G.F.C. Griss* ♦ B20 F55 ♦

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 CHAN, Y.K. *A short proof of an existence theorem in constructive measure theory* ♦ F55 ♦  
 JAMBON, M. *Sur la notion de la variabilite locale constructive (English summary)* ♦ F55 ♦  
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 ♦ D15 D80 F50 F55 ♦  
 MANDELKERN, M. *Connectivity of an interval* ♦ F55 ♦  
 RICHMAN, F. *A constructive modification of Vietoris homology* ♦ F55 ♦  
 SWART DE, H.C.M. *Elements of intuitionistic analysis I: Rolle's theorem and complete totally bounded, metric spaces. II: The Stone-Weierstrass theorem and Ascoli's theorem* ♦ F55 ♦

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 BIELTZ, P. *On the controversies of the excluded middle (Romanian)* ♦ A05 A10 F55 ♦  
 BISHOP, E.A. *Review of H. Jerome Keisler's "Elementary calculus"* ♦ A05 F55 ♦  
 BOZZI, S. & MELONI, G.C. *Ideal properties and intuitionistic algebra* ♦ C60 C90 F50 F55 ♦  
 BRIDGES, D.S. *A constructive look at orthonormal bases in Hilbert space* ♦ F55 ♦  
 BRIDGES, D.S. *The constructive Radon-Nikodym theorem*  
 ♦ F55 ♦  
 BROM, J. *The theory of almost periodic functions in constructive mathematics* ♦ F55 ♦  
 CHAN, Y.K. *Constructive foundations of potential theory*  
 ♦ F55 ♦  
 DUMMETT, M. *Elements of intuitionism*  
 ♦ F50 F55 F98 ♦

- RICHMAN, F. *Computing heights in Tor* ♦ F55 ♦  
 SEPER, K. *Constructive mathematics - an essay, I, II*  
 ♦ A05 F55 F65 ♦  
 SURESHKUMAR *A note on Ashvinikumar's paper: "The intuitionist contradiction of certain classical set-theoretic results"* ♦ E70 E75 F55 ♦  
 TROELSTRA, A.S. *Aspects of constructive mathematics*  
 ♦ F30 F35 F50 F55 F60 F98 ♦  
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 BEESON, M.J. *Some relations between classical and constructive mathematics* ♦ F50 F55 ♦  
 BRIDGES, D.S. *More on the connectivity of convex sets*  
 ♦ F55 ♦  
 BRIDGES, D.S. *On continuous mappings between locally compact metric spaces* ♦ F55 ♦  
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 BRIDGES, D.S. *On weak operator compactness of the unit ball of  $L(H)$*  ♦ F55 ♦  
 GREENLEAF, N. *Linear order in lattices: A constructive study* ♦ F50 F55 ♦  
 JULIAN, W. & MINES, R. & RICHMAN, F. *Algebraic numbers, a constructive development* ♦ F55 ♦  
 SEIDENBERG, A. *Constructions in a polynomial ring over the ring of integers* ♦ D45 F55 ♦

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- ASHVINIKUMAR *Microscopic completeness of full indications and intuitionist contradictory proofs*  
 ♦ F55 ♦  
 BRIDGES, D.S. *A criterion for compactness in metric spaces?* ♦ F55 ♦  
 BRIDGES, D.S. *Connectivity properties of metric spaces*  
 ♦ F55 ♦  
 BRIDGES, D.S. *Constructive functional analysis*  
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 BRIDGES, D.S. *Geometric intuition and elementary constructive analysis* ♦ F55 ♦  
 BRIDGES, D.S. *On the constructive convergence of series of independent functions* ♦ F55 ♦  
 CARTIER, P. *Logique, categories et faisceaux (d'après F. Lawvere et M. Tierney)*  
 ♦ E35 E50 F55 G10 G30 ♦  
 FEFERMAN, S. *Constructive theories of functions and classes* ♦ F50 F55 F60 F98 ♦  
 GIRSTMAYER, K. *Ueber konstruktive Methoden der Galoistheorie* ♦ C57 C60 F55 ♦  
 HOMAGK, F. *Zur intuitionistischen Kennzeichnung reeller Funktionen auf substantiellen Intervallen* ♦ F55 ♦  
 MANDELKERN, M. *Suprema of located sets* ♦ F55 ♦  
 ROUSSEAU, C. *Topos theory and complex analysis*  
 ♦ F50 F55 G30 H05 ♦

## 1980

- BRIDGES, D.S. *A constructive development of Chebyshev approximation theory* ♦ F55 ♦  
 BRIDGES, D.S. *On the foundations of best-approximation theory* ♦ F55 ♦  
 BURGESS, J.P. *Brouwer and Souslin on transfinite cardinals* ♦ E15 F55 ♦  
 MANDELKERN, M. *Resolutions on the line* ♦ F55 ♦  
 POSY, C.J. *On Brouwer's definition of unextendable order* ♦ A10 F55 ♦  
 ROGERS, L. *Basic subgroups from a constructive viewpoint* ♦ F55 ♦  
 TROELSTRA, A.S. *Intuitionistic extensions of the reals* ♦ F35 F50 F55 ♦

## 1981

- BRIDGES, D.S. *A constructive look at positive linear functionals on  $\mathcal{L}(H)$*  ♦ F55 ♦  
 BRIDGES, D.S. *A constructive analysis of the Remes algorithm* ♦ F55 ♦  
 BRIDGES, D.S. *A constructive proximinality property of finite-dimensional linear subspaces* ♦ F55 ♦  
 BRIDGES, D.S. & CALDER, A. & JULIAN, W. & MINES, R. & RICHMAN, F. *Bounded linear mappings of finite rank* ♦ F55 ♦  
 BRIDGES, D.S. & CALDER, A. & JULIAN, W. & MINES, R. & RICHMAN, F. *Compactly generated Banach spaces* ♦ F55 ♦  
 BRIDGES, D.S. & CALDER, A. & JULIAN, W. & MINES, R. & RICHMAN, F. *Locating metric complements in  $R^n$*  ♦ F55 ♦  
 BRIDGES, D.S. *On the isolation of zeroes of an analytic function* ♦ F55 ♦  
 BRIDGES, D.S. *On Montel's proof of the Great Picard Theorem* ♦ F55 ♦  
 BROUWER, L.E.J. *Brouwer's Cambridge lectures on intuitionism* ♦ A05 A10 F50 F55 F98 ♦  
 BROUWER, L.E.J. *On the foundation of mathematics (Dutch)* ♦ A05 A10 F55 ♦  
 CHAN, Y.K. *On some open problems in constructive probability theory* ♦ F55 ♦  
 GIBSON, C.G. & JOHNS, D.L. *A constructive approach to the duality theorem for certain Orlicz spaces* ♦ F55 ♦  
 GOODMAN, NICOLAS D. *Reflections on Bishop's philosophy of mathematics* ♦ A05 F55 ♦  
 GRAYSON, R.J. *Concepts of general topology in constructive mathematics and in sheaves* ♦ C90 E35 E70 E75 F35 F50 F55 G30 ♦  
 GREENLEAF, N. *Liberal constructive set theory* ♦ A05 E70 F55 F65 ♦  
 HEYTING, A. *Continuum and choice sequence in Brouwer (Dutch)* ♦ A10 F55 ♦  
 JOHNSTONE, P.T. *Tychonoff's theorem without the axiom of choice* ♦ E25 E75 F55 G30 ♦  
 KNESER, M. *Ergaenzung zu einer Arbeit von Hellmuth Kneser ueber den Fundamentalsatz der Algebra* ♦ F55 ♦  
 MANDELKERN, M. *Located sets on the line* ♦ F55 ♦  
 RICHMAN, F. *Seidenberg's condition P* ♦ F55 ♦  
 RUITENBURG, W. *Field extensions* ♦ F55 ♦

SMITH, RICK L. *Effective valuation theory*

♦ C57 C60 D45 F55 ♦

SUNDHOLM, G. *Hacking's logic* ♦ F05 F55 ♦TROELSTRA, A.S. *Arend Heyting and his contribution to intuitionism* ♦ A10 F55 ♦

## 1982

- BRIDGES, D.S. *Lipschitz constants and moduli of continuity for the Chebyshev projection* ♦ F55 ♦  
 BRIDGES, D.S. & CALDER, A. & JULIAN, W. & MINES, R. & RICHMAN, F. *Picard's theorem* ♦ F55 ♦  
 BRIDGES, D.S. *Preference and utility: a constructive development* ♦ F55 ♦  
 BRIDGES, D.S. *Recent progress in constructive approximation theory* ♦ F55 ♦  
 DALEN VAN, D. *Singleton reals* ♦ F55 ♦  
 DALEN VAN, D. *The creative subject and Heyting's arithmetic* ♦ F30 F55 ♦  
 DELZELL, C.N. *Case distinctions are necessary for representing polynomials as sums of squares* ♦ A10 C60 C65 F55 ♦  
 DELZELL, C.N. *Continuous sums of squares of forms* ♦ C60 C65 F55 ♦  
 DRAGO, A. *Caratheodory's thermodynamics and constructive mathematics* ♦ F55 ♦  
 GRAYSON, R.J. *Concepts of general topology in constructive mathematics and in sheaves II* ♦ E75 F50 F55 G30 ♦  
 KREISEL, G. *Brouwer's Cambridge lectures on intuitionism* ♦ A05 A10 F55 ♦  
 MANDELKERN, M. *Components of an open set* ♦ F55 ♦  
 MANDELKERN, M. *Continuity of monotone functions* ♦ F55 ♦  
 MINES, R. *Algebraic number theory, a survey* ♦ F55 ♦  
 MINES, R. & RICHMAN, F. *Separability and factoring polynomials* ♦ F55 ♦  
 RICHMAN, F. *Finite dimensional algebras over discrete fields* ♦ F55 ♦  
 RICHMAN, F. *Meaning and information in constructive mathematics* ♦ A05 F55 ♦  
 RUITENBURG, W. *Primality and invertibility of polynomials* ♦ F55 ♦  
 TROELSTRA, A.S. *Intuitionistic extensions of the reals II* ♦ F35 F50 F55 ♦  
 TROELSTRA, A.S. *On the origin and development of Brouwer's concept of choice sequence* ♦ A10 F55 ♦  
 TROELSTRA, A.S. & DALEN VAN, D. (EDS.) *The L.E.J. Brouwer centenary symposium* ♦ A05 A10 B97 F50 F55 F97 ♦  
 VELDMAN, W. *On the constructive contrapositions of two axioms of countable choice* ♦ E25 E70 F50 F55 ♦

## 1983

- BLASS, A.R. *Words, free algebras, and coequalizers* ♦ C05 C75 E25 E35 F50 F55 G30 ♦  
 ESPANOL, L. *Le spectre d'un anneau dans l'algèbre constructive et applications à la dimension* ♦ F55 G30 ♦  
 JULIAN, W. & MINES, R. & RICHMAN, F. *Alexander duality* ♦ F55 ♦  
 MANDELKERN, M. *Constructive continuity* ♦ F55 ♦

- MITANI, S. *Dimension theory constructed on the basis of LJ* ♦ B35 F55 ♦
- RICHMAN, F. *Church's thesis without tears*  
♦ D20 D75 F55 F60 ♦
- 1984**
- BRIDGES, D.S. & MINES, R. *What is constructive mathematics?* ♦ A05 F55 F98 ♦
- DELZELL, C.N. *A continuous, constructive solution to Hilbert's 17th problem* ♦ C60 F55 ♦
- DRAGO, A. *Constructive analysis and thermodynamics formulations* ♦ F55 ♦
- FEFERMAN, S. *Between constructive and classical mathematics* ♦ A05 F35 F50 F55 ♦
- JULIAN, W.  *$\varepsilon$ -continuity and monotone operators*  
♦ F55 ♦
- JULIAN, W. & RICHMAN, F. *A uniformly continuous function on  $[0,1]$  that is everywhere different from its infimum* ♦ F55 ♦
- MINES, R. & RICHMAN, F. *Valuation theory: A constructive view* ♦ F55 ♦
- SCHNEIDER, B. *Klassische und intuitionistische Mathematik bei L.E.J. Brouwer- dargestellt am Cantorschen Haupttheorem* ♦ A10 F55 ♦

- SEIDENBERG, A. *On the Lasker-Noether decomposition theorem* ♦ F55 ♦

**1985**

- BEESON, M.J. *Foundations of constructive mathematics*  
♦ F50 F55 F60 F98 ♦
- BISHOP, E.A. & BRIDGES, D.S. *Constructive analysis*  
♦ D80 F55 F98 ♦
- BRIDGES, D.S. *Operator ranges, integrable sets, and the functional calculus* ♦ F55 ♦
- DALEN VAN, D. *A comment on the essay "The fundamental theorem of algebra and intuitionism"* ♦ F55 ♦
- JULIAN, W. & PHILLIPS, K. *Constructive bounded sequences and Lipschitz functions* ♦ F55 ♦
- MANDELKERN, M. *Constructive mathematics* ♦ F55 ♦
- MARTINO, E. *On the Brouwerian concept of negative continuity* ♦ A10 F50 F55 ♦
- MARTINO, E. *On Brower's concept of negative continuity (Italian)* ♦ A05 A10 F50 F55 ♦
- WU, WENJUN *Renaissance of constructive mathematics (Chinese)* ♦ A05 F55 ♦

## F60 Constructive recursive analysis

- 1936**
- TURING, A.M. *On computable numbers, with an application to the “Entscheidungsproblem”* ◇ D05 D10 D20 D35 F60 ◇
- 1937**
- HERMES, H. *Definite Begriffe und berechenbare Zahlen* ◇ D05 D10 D20 F60 ◇
- 1945**
- GOODSTEIN, R.L. *Function theory in an axiom-free equation calculus* ◇ B28 F30 F60 ◇
- 1949**
- SPECKER, E. *Nicht konstruktiv beweisbare Sätze der Analysis* ◇ F60 ◇
- 1950**
- GOODSTEIN, R.L. *Mean value theorems in recursive function theory. part I, Differential mean value theorems* ◇ F60 ◇
- GOODSTEIN, R.L. *The formal structure of a denumerable system* ◇ F30 F60 ◇
- GOODSTEIN, R.L. *The Gauss test for relative convergence* ◇ F60 ◇
- PETER, R. *Zum Begriff der rekursiven reellen Zahl* ◇ F60 ◇
- 1951**
- GOODSTEIN, R.L. *Constructive formalism: Essays on the foundations of mathematics* ◇ A05 B98 F30 F60 F98 ◇
- 1953**
- GOODSTEIN, R.L. *A problem in recursive function theory* ◇ F60 ◇
- MYHILL, J.R. *Criteria of constructibility for real numbers* ◇ F60 ◇
- 1954**
- GOODSTEIN, R.L. *A free variable function theory* ◇ F55 F60 ◇
- GOODSTEIN, R.L. *The recursive irrationality of  $\pi$*  ◇ F30 F60 ◇
- GOODSTEIN, R.L. *The relatively exponential, logarithmic and circular functions in recursive function theory* ◇ D20 F30 F60 ◇
- MARKOV, A.A. *On the continuity of constructive functions (Russian)* ◇ F60 ◇
- RICE, H.G. *Recursive real numbers* ◇ F60 ◇
- 1955**
- GOODSTEIN, R.L. *On non-constructive theorems of analysis and the decision problem* ◇ B25 B28 F30 F60 ◇
- GRZEGORCZYK, A. *Elementarily definable analysis* ◇ F60 ◇
- GRZEGORCZYK, A. *On the definition of computable functionals* ◇ D20 F60 ◇
- LACOMBE, D. *Extension de la notion de fonction recursive aux fonctions d'une ou plusieurs variables réelles. I* ◇ F60 ◇
- LACOMBE, D. *Extension de la notion de fonction recursive aux fonctions d'une ou plusieurs variables réelles II, III* ◇ F60 ◇
- LACOMBE, D. *Remarque sur les opérateurs recursifs et sur les fonctions recursives d'une variable réelle* ◇ F60 ◇
- TSEJTIN, G.S. *On Cauchy's theorem in constructive analysis (Russian)* ◇ F60 ◇
- ZASLAVSKIY, I.D. *Disproof of some theorems of classical analysis in constructive analysis (Russian)* ◇ F60 ◇
- 1956**
- KLAUA, D. *Berechenbare Analysis* ◇ F60 ◇
- KONDO, M. *Sur la nommabilité d'ensembles* ◇ D55 E15 F60 F65 ◇
- MESCHKOWSKI, H. *Rekursive reelle Zahlen* ◇ F60 ◇
- MESCHKOWSKI, H. *Zur rekursiven Funktionentheorie* ◇ F60 ◇
- SHANIN, N.A. *Some problems of mathematical analysis in the light of constructive logic (Russian) (German summary)* ◇ F60 ◇
- 1957**
- GOODSTEIN, R.L. *Recursive number theory. A development of recursive arithmetic in a logic-free equation calculus* ◇ B28 F30 F50 F60 F98 ◇
- GRZEGORCZYK, A. *On the definitions of computable real continuous functions* ◇ D20 F60 ◇
- KREISEL, G. & LACOMBE, D. & SHOENFIELD, J.R. *Effective operations and partial recursive functionals* ◇ D20 F60 ◇
- KREISEL, G. & LACOMBE, D. *Ensembles recursivement mesurables et ensembles recursivement ouverts ou fermés* ◇ D80 F60 ◇
- KREISEL, G. & LACOMBE, D. & SHOENFIELD, J.R. *Fonctionnelles recursivement définissables et fonctionnelles recursives* ◇ D20 F60 ◇
- LACOMBE, D. *Les ensembles recursivement ouverts ou fermés, et leurs applications à l'analyse recursive* ◇ D55 F60 ◇
- LACOMBE, D. *Quelques propriétés d'analyse recursive* ◇ F60 ◇
- MARKOV, A.A. *Mathematical logic and numerical analysis (Russian)* ◇ F60 ◇
- MOSTOWSKI, ANDRZEJ *On computable sequences* ◇ D20 F60 ◇

USPENSKIJ, V.A. *On the theorem of uniform continuity (Russian)* ◊ F60 ◊

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FALEVICH, B.YA. *A new method of proving incompleteness theorems for systems with Carnap's rule, and its application to the problem of interrelation between classical and constructive analysis (Russian)* ◊ F35 F60 ◊

LACOMBE, D. *Sur les possibilites d'extension de la notion de fonction recursive aux fonctions d'une ou plusieurs variables reelles* ◊ F60 ◊

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SHANIN, N.A. *Ueber einen Algorithmus zur konstruktiven Dechiffrierung mathematischer Urteile (Russian) (German summary)* ◊ A05 F50 F60 ◊

## 1959

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GRZEGORCZYK, A. *Some approaches to constructive analysis* ◊ F60 ◊

KLAUA, D. *Die Praezisierung des Berechenbarkeitsbegriffs in der Analysis mit Hilfe rationaler Funktionale* ◊ F60 ◊

KREISEL, G. & LACOMBE, D. & SHOENFIELD, J.R. *Partial recursive functionals and effective operations* ◊ D20 F60 ◊

MOSTOWSKI, ANDRZEJ *On various degrees of constructivism* ◊ D55 F50 F60 F98 ◊

PETER, R. *Rekursivitaet und Konstruktivitaet* ◊ A05 D20 F60 ◊

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SHANIN, N.A. *Ueber konstruktive lineare Funktionale in einem konstruktiven Hilbertschen Raum (Russian) (German summary)* ◊ F60 ◊

SPECKER, E. *Der Satz vom Maximum in der rekursiven Analysis* ◊ F60 ◊

TSEJTN, G.S. *Algorithmic operators in constructive complete separable metric spaces (Russian)* ◊ F60 ◊

TSEJTN, G.S. & ZASLAVSKIJ, I.D. *On relations between fundamental properties of constructive functions (Russian)* ◊ F60 ◊

TSEJTN, G.S. *The theorem concerning nested segments, Cauchy's theorem, and Rolle's theorem in constructive analysis (Russian)* ◊ F60 ◊

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ZASLAVSKIJ, I.D. *On constructive Dedekind cuts (Russian)* ◊ F60 ◊

ZASLAVSKIJ, I.D. *Some peculiarities of constructive functions of a real variable in comparison with classical ones (Russian)* ◊ F60 ◊

## 1960

GOODSTEIN, R.L. & HOOLEY, J. *On recursive transcendence* ◊ F60 ◊

KLAUA, D. *Berechenbare Reihen* ◊ F60 ◊

LEHMAN, R.S. *On primitive recursive real numbers* ◊ F60 ◊

MIHALINEC, M. *On the continuity of constructive transformations. I,II (Serbo-Croatian summaries)* ◊ F60 ◊

USPENSKIJ, V.A. *On the relation between various systems of constructive real numbers (Russian)* ◊ F60 ◊

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HERMES, H. *Aufzaehlbarkeit, Entscheidbarkeit, Berechenbarkeit: Einfuehrung in die Theorie der rekursiven Funktionen* ◊ D98 F60 ◊

KLAUA, D. *Konstruktive Analysis* ◊ F60 F98 ◊

MAL'TSEV, A.I. *Constructive algebra I (Russian)* ◊ C57 C98 F60 F98 ◊

## 1962

MARKOV, A.A. *On constructive mathematics (Russian)* ◊ A05 F60 ◊

MINTS, G.E. *The differentiability predicate and the differentiation operator in constructive mathematical analysis (Russian)* ◊ F60 ◊

SHANIN, N.A. *Constructive real numbers and constructive function spaces (Russian)* ◊ F60 ◊

TSEJTN, G.S. *Algorithmic operators in constructive metric spaces (Russian)* ◊ F60 ◊

TSEJTN, G.S. *Mean value theorems in constructive analysis (Russian)* ◊ F60 ◊

TSEJTN, G.S. & ZASLAVSKIJ, I.D. *On singular coverings and properties of constructive functions connected with them (Russian)* ◊ F60 ◊

ZASLAVSKIJ, I.D. *Some properties of constructive real numbers and constructive functions (Russian)* ◊ F60 ◊

## 1963

LACHLAN, A.H. *Recursive real numbers* ◊ F60 ◊

MAZUR, S. *Computable analysis* ◊ F60 F98 ◊

OREVKOV, V.P. *A constructive mapping of the square onto itself displacing every constructive point (Russian)* ◊ F60 ◊

OREVKOV, V.P. *Constructive mappings of polyhedra (Russian)* ◊ F60 ◊

PARTIS, M.T. *Commutative partially ordered recursive arithmetics* ◊ D20 F60 ◊

SLISENKO, A.O. *Certain properties of arithmetic operations on duplexes (Russian)* ◊ F60 ◊

## 1964

KUSHNER, B.A. *Riemann integration in constructive analysis (Russian)* ◊ F60 ◊

MANUKYAN, S.N. & ZASLAVSKIJ, I.D. *Jordan theorem in constructive analysis* ◊ F60 ◊

MOSCHOVAKIS, Y.N. *Recursive metric spaces* ◊ C57 C65 D45 F60 ◊

OREVKOV, V.P. *Certain questions of the theory of polynomials with constructive real coefficients (Russian)* ◊ F60 ◊

- OREVKOV, V.P. *On constructive mappings of a disk into itself (Russian)* ♦ F60 ♦
- SLISENKO, A.O. *Example of a non-discontinuous but not continuous constructive operator in a metric space (Russian)* ♦ F60 ♦
- SLISENKO, A.O. *On certain algorithmic problems connected with arithmetic operations on duplexes (Russian)* ♦ F60 ♦
- SLISENKO, A.O. *On constructive non-separable spaces (Russian)* ♦ F60 ♦
- TSEJTIN, G.S. & ZASLAVSKIY, I.D. *Concerning a generalized principle of constructive selection (Russian)* ♦ F60 ♦
- TSEJTIN, G.S. *Three theorems on constructive functions (Russian)* ♦ F60 ♦
- ZASLAVSKIY, I.D. *Differentiation and integration of constructive functions (Russian)* ♦ F60 ♦

**1965**

- DEMUTH, O. *On Lebesgue integration in constructive analysis (Russian)* ♦ F60 ♦
- HE, KEGANG *On the types of some basic predicates of constructive real number theory in the S.C.Kleene classifications (Chinese)* ♦ F50 F60 ♦
- ILSE, D. *Zur Stetigkeit berechenbarer reeller Funktionen* ♦ F60 ♦
- KUSHNER, B.A. *Constructive theory of the Riemann integral (Russian)* ♦ F60 ♦
- KUSHNER, B.A. *On the existence of unbounded analytic constructive functions (Russian)* ♦ F60 ♦
- MAYOH, B.H. *Unsolvable problems in the theory of computable numbers* ♦ D20 D35 F60 ♦
- MIHALJINEC, M. *Inverse upper bound theorems for constructive real functions (Serbo-Croatian summary)* ♦ F60 ♦
- PHAN DINH DIEU *Constructive locally convex linear topological spaces (Russian)* ♦ F60 ♦
- PHAN DINH DIEU *The metrizability, normability and multinormability of constructive locally convex spaces (Russian)* ♦ F60 ♦

**1966**

- KUSHNER, B.A. *Certain properties of quasinumbers and of operators from quasinumbers into quasinumbers (Russian)* ♦ F60 ♦
- MOSCHOVAKIS, Y.N. *Notation systems and recursive ordered fields* ♦ C57 C60 D45 F60 ♦
- PHAN DINH DIEU *On spaces adjoint to constructive locally convex spaces (Russian)* ♦ F60 ♦
- SHURYGIN, V.A. *Nontrivial constructive mappings of certain sets (Russian)* ♦ D20 D45 F60 ♦

**1967**

- DEMUTH, O. *Lebesgue integration in constructive analysis (Russian)* ♦ F60 ♦
- DEMUTH, O. *Necessary and sufficient conditions for Riemann integrability of constructive functions (Russian)* ♦ F60 H05 ♦
- KUSHNER, B.A. *Certain relations among the properties of constructive functions and operators from quasinumbers into quasinumbers (Russian)* ♦ F60 ♦

- KUSHNER, B.A. *On constructive antiderivatives (Russian)* ♦ F60 ♦
- LIFSCHITZ, V. *Constructive groups (Russian)* ♦ D45 F60 ♦
- OREVKOV, V.P. *Constructive mappings of finite polyhedra (Russian)* ♦ F60 ♦
- OREVKOV, V.P. *On certain types of continuity of constructive operators (Russian)* ♦ F60 ♦
- OREVKOV, V.P. & SHANIN, N.A. (EDS.) *Problems in the constructive trend in mathematics IV (Russian)* ♦ F60 F97 ♦
- PARTIS, M.T. *Limited universal and existential quantifiers in commutative partially ordered recursive arithmetics* ♦ D20 F60 ♦
- PHAN DINH DIEU *Certain properties of constructive generalized functions (Russian)* ♦ F60 ♦
- PHAN DINH DIEU *On closed and open sets in constructive topological spaces (Russian)* ♦ F60 ♦
- SHURYGIN, V.A. *Constructive sets with equality and their mappings (Russian)* ♦ D03 F60 ♦
- SLISENKO, A.O. *Arithmetical operations on certain sets of duplexes (Russian)* ♦ F60 ♦
- SLISENKO, A.O. *On constructing of maximal continuity regulators of constructive functions (Russian)* ♦ F60 ♦
- SLISENKO, A.O. *On maximal continuity regulators of constructive functions (Russian)* ♦ F60 ♦
- ZASLAVSKIY, I.D. *Rectifiability of constructive plane curves (Russian) (English and Armenian summaries)* ♦ F60 ♦

**1968**

- ABERTH, O. *Analysis in the computable number field* ♦ F60 ♦
- DEMUTH, O. *Fubini's theorem for the Riemann integral in constructive mathematics (Russian)* ♦ F60 ♦
- DEMUTH, O. *The connection between Riemann and Lebesgue integrability of constructive functions (Russian)* ♦ F60 H05 ♦
- DEMUTH, O. *The Lebesgue integral and the concept of measureability of functions in constructive analysis (Russian)* ♦ F60 H05 ♦
- KHACHATRYAN, M.A. *Constructive series of numbers (Russian) (Armenian summary)* ♦ F60 ♦
- KUSHNER, B.A. *A remark on the domains of definition of constructive functions (Russian)* ♦ F60 ♦
- KUSHNER, B.A. *Some examples of quasidense but not dense sets of duplexes (Russian)* ♦ F60 ♦
- KUSHNER, B.A. & TSEJTIN, G.S. *Some properties of F-numbers (Russian)* ♦ F60 ♦
- LIFSCHITZ, V. *Constructive analytic functions of one real variable (Russian)* ♦ F60 ♦
- MANUKYAN, S.N. & ZASLAVSKIY, I.D. *Partitionings of the plane by constructive curves (Russian)* ♦ F60 ♦
- MAYOH, B.H. *Semi-effective numberings and definitions of the computable numbers* ♦ D25 D30 F60 ♦
- PHAN DINH DIEU *On spaces of constructive infinitely differentiable functions and on functionals in them (Russian)* ♦ F60 ♦

SHANIN, N.A. & TSEJTN, G.S. & ZASLAVSKIJ, I.D. *Peculiarities in constructive mathematical analysis (Russian)* ♦ F60 ♦

SHURGIN, V.A. *Complete constructive sets with equality, and some of their properties (Russian)* ♦ D03 F60 ♦

TAIT, W.W. *Normal derivability in classical logic* ♦ C75 F05 F15 F30 F35 F60 ♦

**1969**

ABERTH, O. *A chain of inclusion relations in computable analysis* ♦ F60 ♦

CLEAVE, J.P. *The primitive recursive analysis of ordinary differential equations and the complexity of their solutions* ♦ D20 D80 F60 ♦

DEMUTH, O. *Linear functionals in the constructive spaces  $L_r$  (Russian)* ♦ F60 ♦

DEMUTH, O. *Note on the paper "Fubini's theorem for the Riemann integral in constructive mathematics" (Russian)* ♦ F60 ♦

DEMUTH, O. *The differentiability of constructive functions (Russian)* ♦ F60 ♦

DEMUTH, O. *The spaces  $L_r$  and  $S$  in constructive mathematics (Russian)* ♦ F60 ♦

DEMUTH, O. *The Lebesgue measurability of sets in constructive mathematics (Russian)* ♦ F60 ♦

GEL'FOND, M.G. *On constructive pseudofunctions (Russian)* ♦ F60 ♦

GOODSTEIN, R.L. *A constructive form of the second Gauss proof of the fundamental theorem of algebra* ♦ F60 ♦

KANOVICH, M.I. & KUSHNER, B.A. *Estimating the complexity of certain algorithmic problems of analysis (Russian)* ♦ D15 D20 D80 F60 ♦

KHACHATRYAN, M.A. *An example of a constructive nondifferentiable monotone function (Russian) (Armenian and English summaries)* ♦ F60 ♦

KHACHATRYAN, M.A. *The differentiation of constructive monotone functions (Russian)* ♦ F60 ♦

KOSOVSKIJ, N.K. *Integrable FR-constructs over a probability space (Russian)* ♦ F60 ♦

KOSOVSKIJ, N.K. *Laws of large numbers in constructive probability theory (Russian)* ♦ F60 ♦

KOSOVSKIJ, N.K. *Necessary and sufficient conditions for a probability space to have Specker properties (Russian)* ♦ F60 ♦

LIFSHITZ, V. *The set of zeros of a constructive power series in the real domain (Russian)* ♦ F60 ♦

LORENTS, A.A. *Elements of the constructive probability theory (Russian) (German summary)* ♦ F60 ♦

OREVKOV, V.P. *Some properties of homeomorphisms of constructive metric spaces (Russian)* ♦ F60 ♦

SHAPIRO, N.Z. *Real numbers and functions in the Kleene hierarchy and limits of recursive, rational functions* ♦ D55 F60 ♦

SHAPIRO, N.Z. *Recursively countable subsets of recursive metric spaces (Russian summary)* ♦ F60 ♦

SOARE, R.I. *Recursion theory and Dedekind cuts* ♦ D25 D30 F60 ♦

SPECKER, E. *The fundamental theorem of algebra in recursive analysis* ♦ F60 ♦

ZASLAVSKIJ, I.D. *On Shannon pseudofunctions (Russian)* ♦ D05 D15 F60 ♦

**1970**

ABERTH, O. *Computable analysis and differential equations* ♦ F60 ♦

DEMUTH, O. *Mittelwertsatze fuer konstruktive Lebesgueintegrale (Russisch)* ♦ F60 ♦

DEMUTH, O. *Necessary and sufficient conditions for the absolute continuity of constructive functions (Russian)* ♦ F60 ♦

DEMUTH, O. *The integrability of derivatives of constructive functions (Russian)* ♦ F60 ♦

DEMUTH, O. *The representability of constructive functions of weakly bounded variation (Russian)* ♦ F60 ♦

GOODSTEIN, R.L. *Polynomials with computable coefficients* ♦ F60 ♦

KOSOVSKIJ, N.K. *Some questions in the constructive theory of normed boolean algebras (Russian)* ♦ C57 F60 G05 ♦

KUCERA, A. *Weak convergence in constructive mathematics (Russian)* ♦ F60 ♦

KUSHNER, B.A. *Some mass problems connected with the integration of constructive functions (Russian)* ♦ D30 F60 ♦

MADISON, E.W. *A note on computable real fields* ♦ C57 C60 D45 F60 ♦

MARTIN-LOEF, P. *Notes on constructive mathematics* ♦ F50 F60 F98 ♦

MAYOH, B.H. *The relation between an object and its name: notation systems and their fixed point theorems* ♦ A05 B03 D20 D35 D45 F30 F60 ♦

MINTS, G.E. (ED.) *Recursive mathematical analysis (Russian)* ♦ F60 ♦

OREVKOV, V.P. & SHANIN, N.A. (EDS.) *Problems in the constructive trend in mathematics V (Russian)* ♦ F60 F97 ♦

PHAN DINH DIEU *Some questions in constructive functional analysis (Russian)* ♦ F60 ♦

SHURGIN, V.A. *Constructive sets with equality and their mappings (Russian)* ♦ D03 F60 ♦

SLISENKO, A.O. *Some questions of the approximation of the maximal regulators of continuity (Russian)* ♦ F60 ♦

TSEJTN, G.S. & ZASLAVSKIJ, I.D. *A criterion of the rectifiability of constructive plane curves (Russian) (Armenian and English summaries)* ♦ F60 ♦

TSEJTN, G.S. *On upper bounds of recursively enumerable sets of constructive real numbers (Russian)* ♦ D25 F60 ♦

**1971**

ABERTH, O. *The failure in computable analysis of a classical existence theorem for differential equations* ♦ F60 ♦

DEMUTH, O. *A certain condition for the differentiability of constructive functions of bounded variation (Russian)* ♦ F60 ♦

DEMUTH, O. *A necessary and sufficient condition for the representability of constructive functions in the form of the sum of a singular and an absolutely continuous function (Russian)* ♦ F60 ♦

- DEMUTH, O. *The superposition of absolutely continuous functions (Russian)* ♦ F60 ♦
- HAUCK, J. *Ein Kriterium fuer die Annahme des Maximums in der berechenbaren Analysis* ♦ F60 ♦
- HAUCK, J. *Zur Praezisierung des Begriffes berechenbare reelle Funktion* ♦ F60 ♦
- KUCERA, A. *Sufficient conditions for the normability of linear operators in constructive mathematics (Russian)* ♦ F60 ♦
- LIFSCHITZ, V. *Investigations of constructive functions by the method of fillings (Russian) (English summary)* ♦ F60 ♦
- MANUKYAN, S.N. *On interior points of nondegenerate constructive curves (Russian)* ♦ F60 ♦
- MATIYASEVICH, YU.V. *A sufficient condition for the convergence of monotone sequences (Russian) (English summary)* ♦ F60 ♦
- MYHILL, J.R. *A recursive function, defined on a compact interval and having a continuous derivative that is not recursive* ♦ F60 ♦
- OREVKOV, V.P. *Equivalence of two definitions of continuity (Russian) (English summary)* ♦ F60 ♦
- OREVKOV, V.P. *On the continuity of constructive functionals (Russian) (English summary)* ♦ F60 ♦
- SPECKER, E. *Ramsey's theorem does not hold in recursive set theory* ♦ D25 D80 E05 F60 ♦
- TSEJTN, G.S. *A pseudofundamental sequence that is not equivalent to any monotone sequence (Russian) (English summary)* ♦ F60 ♦
- TSEJTN, G.S. & ZASLAVSKIJ, I.D. *Another constructive version of the Cauchy theorems (Russian) (English summary)* ♦ F60 ♦

**1972**

- CHERNOV, V.P. *Classification of spaces of operators of finite types (Russian)* ♦ D45 D65 F60 ♦
- CHERNOV, V.P. *Constructive operators of finite types (Russian) (English summary)* ♦ D45 D65 F60 ♦
- CHERNOV, V.P. & LIFSCHITZ, V. *Noncompact closed ball in a constructive compact metric space (Russian) (English summary)* ♦ F60 ♦
- CHERNOV, V.P. *Topological variants of the continuity theorem for mappings and related theorems theorems (Russian) (English summary)* ♦ D20 F60 ♦
- DEMUTH, O. *A necessary and sufficient condition for the representability of constructive functions in the form of a superposition of absolutely continuous functions (Russian)* ♦ F60 ♦
- DEMUTH, O. *A sufficient condition for the representability of constructive functions in the form of the sum of two superpositions of absolutely continuous functions (Russian)* ♦ F60 ♦
- FREJDZON, R.I. *Families of recursive predicates of measure zero (Russian) (English summary)* ♦ D20 F60 ♦
- GEL'FOND, M.G. *Relationship between the classical and constructive developments of mathematical analysis (Russian) (English summary)* ♦ B28 F35 F60 ♦
- HAUCK, J. *Berechenbare gleichmaessige Stetigkeit in der konstruktiven Analysis von Klaua (Russian, English and French summaries)* ♦ F60 ♦

- HAUCK, J. *Zur berechenbaren gleichmaessigen Finitheit rekursiver Funktionale* ♦ D20 F60 ♦
- LIFSCHITZ, V. *A locally analytic constructive function that is not analytic (Russian)* ♦ F60 ♦
- LORENTS, A.A. *Elemente der konstruktiven Theorie stochastischer Automaten (Russian)* ♦ D05 D10 D98 F60 F98 ♦
- MIHALINEC, M. *Some applications of the theory of categories in partially constructive mathematics (Serbo-Croatian summary)* ♦ F60 G30 ♦
- MYHILL, J.R. *What is a real number?* ♦ F55 F60 ♦
- PODNIKS, K.M. *Constructive decomposition of stochastic matrices (Russian)* ♦ F60 ♦
- SKARBEK, W. & ZEMBRZUSKI, K. *Computable real functions and their relation to the analog computer* ♦ D20 F60 ♦
- STRAUCH, O. *Minimal covering of a closed interval (Slovak) (English summary)* ♦ E75 F60 ♦

**1973**

- DEMUTH, O. *The constructive analogue of the connection between the Lebesgue measurability of sets and of functions (Russian)* ♦ F60 ♦
- DEMUTH, O. & NEMECKOVA, L. *The constructive analogue of the property ( $T_1$ ) (Russian)* ♦ F60 ♦
- DEMUTH, O. & NEMECKOVA, L. *The constructive analogues of the properties (N) and (S) (Russian)* ♦ F60 ♦
- DEMUTH, O. *The representability of uniformly continuous constructive functions (Russian)* ♦ F60 ♦
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- KUSHNER, B.A. *Computationally complex real numbers (Russian)* ♦ D20 F60 ♦
- KUSHNER, B.A. *Continuity theorems for some types of computable operators (Russian)* ♦ F60 ♦
- KUSHNER, B.A. *Coverings of separable sets (Russian)* ♦ F60 ♦
- KUSHNER, B.A. *Lectures on constructive mathematical analysis (Russian)* ♦ F60 F98 ♦
- KUSHNER, B.A. *Two theorems on Riemann-integrable constructive functions (Russian)* ♦ F60 ♦
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- OSTROUKHOV, D.A. *Linearization of constructive sequences of normal algorithms (Russian)* ♦ D03 F60 ♦
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- DEMUTH, O. *The connection between the representability of a constructive function in the form of a superposition of two absolutely continuous functions and the differentiability of this function (Russian)* ◇ F60 ◇
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- KANOVICH, M.I. *Complexity of the limit of Specker sequences (Russian)* ◇ D15 D20 F60 ◇
- KHISAMIEV, N.G. *Strongly constructive models of a decidable theory (Russian)* ◇ C15 C57 F60 ◇
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- KUCERA, A. *The algorithmic nonapproximability of the least upper bounds of constructive pseudosections (Russian)* ♦ F60 ♦
- MANUKYAN, S.N. *On a property of the notion of interior and exterior point with respect to constructive closed curve (Russian) (English and Armenian summaries)* ♦ F60 ♦
- SHURGIN, V.A. *On estimates of the complexity of algorithmic problems in constructive analysis (Russian)* ♦ D15 D20 F60 ♦
- TROELSTRA, A.S. *Aspects of constructive mathematics* ♦ F30 F35 F50 F55 F60 F98 ♦
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- MARGENSTERN, M. *On a variant of constructivisation of the theory of almost periodic functions* ♦ F60 ♦
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- DEMUTH, O. *The use of the Riemann-Stieltjes integral in the theory of the constructive Lebesgue integral, and its generalizations (Russian)* ♦ F60 ♦
- FEFERMAN, S. *Constructive theories of functions and classes* ♦ F50 F55 F60 F98 ♦
- KHISAMIEV, N.G. *On subgroups of finite index of abelian groups (Russian) (Kazakh summary)* ♦ C57 C60 D45 F60 ♦
- KUSHNER, B.A. *Segment coverings and the uniform continuity of constructive functions (Russian)* ♦ F60 ♦
- MURZIN, F.A. *One result on finite approximability (Russian)* ♦ F60 ♦
- POUR-EL, M.B. & RICHARDS, I. *A computable ordinary differential equation which possesses no computable solution* ♦ D80 F60 ♦
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- SHURGIN, V.A. *On the structure of constructive sets with equality (Russian)* ♦ F60 ♦
- ZHAROV, V.G. *On the complexity of the terms of the constructive sequences of Turing machines (Russian)* ♦ D10 D45 F60 ♦

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- HAUCK, J. *Dezimalbrueche und Berechenbarkeit* ♦ F60 ♦
- HAUCK, J. *Stetigkeitseigenschaften berechenbarer reeller Funktionen* ♦ D20 F60 ♦
- NEDERPELT, R.P. *An approach to theorem proving on the basis of a typed lambda-calculus* ♦ B35 B40 F60 ♦

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- KUSHNER, B.A. *Behavior of the general term of a Specker series* (Russian) ♦ F60 ♦
- KUSHNER, B.A. *On some topological properties of constructive plane curves* (Russian) ♦ F60 ♦
- MELIKYAN, S.M. *On some properties of classes of pseudonumbers* (Russian) (Armenian summary) ♦ F60 ♦
- MELIKYAN, S.M. *Two theorems on classes of pseudonumbers* (Russian) (Armenian summary) ♦ F60 ♦
- PINUS, A.G. *Constructivization of Boolean algebras* (Russian) ♦ F60 G05 ♦
- ROCHE LA, P. *Effective Galois theory* ♦ C57 C60 D45 F60 ♦
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- GONCHAROV, S.S. *Limiting equivalent constructivizations* (Russian) ♦ C57 D45 F60 ♦
- KOCHUBIEVSKIJ, I.P. & SATAEV, A.G. *Potential realizability: pragmatic aspect* (Russian) ♦ F60 ♦
- KUSHNER, B.A. *Some extensions of Markov's constructive continuum and their applications to the theory of constructive functions* ♦ F60 ♦
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- HAUCK, J. *Konstruktive reelle Funktionale und Operatoren* ♦ F60 ♦
- KHISAMIEV, N.G. *Strongly constructive abelian p-groups* (Russian) ♦ C57 C60 D45 F60 ♦
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- MOROZOV, A.S. *Groups of recursive automorphisms of constructive boolean algebras* (Russian) ♦ C07 C57 D45 F60 G05 ♦
- RICHMAN, F. *Church's thesis without tears* ♦ D20 D75 F55 F60 ♦

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- KUDAJBERGENOV, K.ZH. *Autostability and extensions of constructivizations* (Russian) ♦ C50 C57 F60 ♦
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- MANUKYAN, S.N. *The Dirichlet problem in a constructive analysis* (Russian) (Armenian summary) ♦ F60 ♦
- MOROZOV, A.S. *Group Aut<sub>r</sub>(Q, ≤) is not constructivable* (Russian) ♦ C07 C57 F60 ♦
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*Dissertationes Mathematicae. Polska Akademia Nauk, Instytut Matematyczny \* Rozprawy Matematyczne* [1952ff] ISSN 0012-3862
- J 0205** Rev Franc Autom, Inf & Rech Operat • F  
*Revue Francaise d'Automatique, Informatique et Recherche Operationnelle (RAIRO). Series: Bleue, Jaune, Rouge, Verte* [1972–1976] ISSN 0399-0559  
• CONT OF (J 3954) Rev Franc Inf & Rech Operat • CONT AS (J 4698) Rev Franc Autom, Inf & Rech Operat, Ser Rouge Inf Th & (J 2831) RAIRO Autom & (J 2832) RAIRO Inform  
• REM In 1975 the Serie Rouge split into: Serie Rouge Analyse Numerique & J4698
- J 0207** Ist Lombardo Accad Sci Rend, A (Milano) • I  
*Istituto Lombardo. Accademia di Science e Lettere. Rendiconti. A. Scienze Matematiche, Fisiche, Chimiche e Geologiche* [1937ff] ISSN 0021-2504  
• CONT OF (J 3986) Ist Lombardo Rend, Ser 2 (Milano)
- J 0211** Rev Gen Sci Pur Appl & Bull Soc Philomatique • F  
*Revue Generale des Sciences Pures et Appliquees et Bulletin de la Societe Philomatique.* [1953–1959]  
• CONT OF (J 0767) Rev Gen Sci Pur Appl
- J 0215** Proc Irish Acad, Sect A • IRL  
*Proceedings of the Royal Irish Academy. Section A. Mathematical and Physical Sciences* [1899ff] ISSN 0557-4056
- J 0216** Izv Akad Nauk SSSR, Ser Mat • SU  
*Izvestiya Akademii Nauk SSSR. Seriya Matematicheskaya (Proceedings of the Academy of Sciences of the USSR. Mathematical Series)* [1937ff] ISSN 0373-2436  
• CONT OF (J 4717) Izv Akad Nauk SSSR • TRANSL IN (J 0448) Math of USSR, Izv
- J 0220** Atti Accad Sci Torino, Fis Mat Nat • I  
*Atti della Accademia delle Scienze di Torino. Classi di Scienze Fisiche, Matematiche e Naturali. Parte 1. \* Acta Academiae Scientiarum Taurinensis* [1940ff] ISSN 0373-3033  
• CONT OF (J 1742) Atti Accad Sci Torino, Fis Mat Nat
- J 0225** Amer Math Soc, Transl, Ser 2 • USA  
*American Mathematical Society. Translations. Series 2* [1955ff] ISSN 0065-9290
- J 0229** Ann Mat Pura Appl, Ser 3 • I  
*Annali di Matematica Pura ed Applicata* [1898–1923]  
• CONT AS (J 3526) Ann Mat Pura Appl, Ser 4
- J 0232** Inform Process Lett • NL  
*Information Processing Letters. Devoted to the Rapid Publication of Short Contributions to Information Processing* [1971ff] ISSN 0020-0190
- J 0233** Soobshch Akad Nauk Gruz SSR • SU  
*Soobshcheniya Akademii Nauk Gruzinskoj SSR \* Sakharth SSR Mecnierebathha Akademia Moambe (Communications of the Academy of Sciences of the Georgian SSR)* [1940ff] ISSN 0002-3167
- J 0234** Rev Acad Cienc Exact Fis Nat Madrid • E  
*Revista de la Real Academia de Ciencias Exactas, Fisicas y Naturales de Madrid* [1904ff] ISSN 0034-0596
- J 0236** Rev Mat Hisp-Amer, Ser 4 • E  
*Revista Matematica Hispano-Americanana. 4a Serie. Real Sociedad Matematica Espanola.* [1941ff] ISSN 0373-0999  
• CONT OF (J 3993) Rev Mat Hisp-Amer, Ser 2
- J 0241** Bull Math Soc Nanyang Univ • SGP  
*Shu Hsuen Nien K'An (Nan-Yang Ta Hsuen Shu Shueh Hui) (Nanyang University. Mathematical Society. Bulletin)* [1959–1965]  
• CONT AS (J 0245) Nanta Math
- J 0245** Nanta Math • SGP  
*Nanta Mathematica* [1966ff] ISSN 0077-2739  
• CONT OF (J 0241) Bull Math Soc Nanyang Univ
- J 0248** Math Student • IND  
*The Mathematics Student* [1933ff] ISSN 0025-5742
- J 0249** J Math Pures Appl • F  
*Journal de Mathematiques Pures et Appliquees* [1836–1921]  
• CONT AS (J 3941) J Math Pures Appl, Ser 9
- J 0252** Rev Philos Louvain • B  
*Revue Philosophique de Louvain* [1946ff] ISSN 0035-3841  
• CONT OF (J 1720) Rev Neoscolast Philos, Ser 2

- J 0254** Gen Topology Appl • NL  
*General Topology and its Applications. A Journal Devoted to Set Theoretic, Axiomatic and Geometric Topology* [1971–1979]  
 ISSN 0016-660X  
 • CONT AS (J 2635) Topology Appl
- J 0258** Nederl Akad Wetensch Verh Tweed Afd Nat • NL  
*Verhandelingen der Koninklijke Nederlandse Akademie van Wetenschappen Tweede Reeks. Afdeling Natuurkunde* [1892ff]  
 ISSN 0065-552X
- J 0259** Nyt Tidsskr Mat • DK  
*Nyt Tidsskrift for Matematik (New Journal for Mathematics)* [1890–1918]  
 • CONT AS (J 4510) Norsk Mat Tidsskr
- J 0260** Ann Jap Ass Phil Sci • J  
*Annals of the Japan Association for Philosophy of Science* [1956ff]
- J 0261** Tohoku Math J • J  
*Tohoku Mathematical Journal (Tohoku Sugaku Zashi)* [1911ff] ISSN 0040-8735
- J 0265** Ukr Mat Zh, Akad Nauk Ukr SSR • SU  
*Ukrainskij Matematicheskij Zhurnal. Akademiya Nauk Ukrainskoj SSR. Institut Matematiki (Ukrainian Mathematical Journal. Academy of Sciences of the Ukrainian SSR. Institute of Mathematics)* [1949ff] ISSN 0041-6053  
 • TRANSL IN (J 3281) Ukr Math J
- J 0277** Sitzb Preuss Akad Wiss Phys Math Kl • DDR  
*Die Preussische Akademie der Wissenschaften. Sitzungsberichte. Physikalisch-Mathematische Klasse* [1922–1949]
- J 0278** Nederl Akad Wetensch Proc • NL  
*Koninklijke Nederlandse Akademie van Wetenschappen. Proceedings of the Section of Sciences.* \*(J 0028) Indag Math [1898–1950] ISSN 0023-3358  
 • REM Indagationes Mathematicae was part of the journal from 1939 until 1950. Since 1951, Series A of the journal has been the same as Indagationes Mathematicae.
- J 0279** S African J Sci • ZA  
*Suid Afrikaanse Tydskrif vir Wetenskap (South African Journal of Science)* [1903ff] ISSN 0038-2353
- J 0280** Quart J Pure Appl Math • GB  
*Quarterly Journal of Pure and Applied Mathematics* [1857–1927]
- J 0283** Ann Soc Pol Math • PL  
*Societe Polonoise de Mathematique. Annales.* \* *Rocznik i Polskiego Towarzystwa Matematycznego* [1922–1952]  
 • CONT AS (J 1405) Ann Pol Math
- J 0286** Int Logic Rev • I  
*International Logic Review.* \* *Rassegna Internazionale di Logica* [1970ff] ISSN 0048-6779
- J 0287** Scripta Math • USA  
*Scripta Mathematica.* [1932ff] ISSN 0036-9713
- J 0288** Vest Ser Mat Mekh, Univ Moskva • SU  
*Vestnik Moskovskogo Universiteta. Seriya I. Matematika, Mekhanika (Publications of the Moscow University. Series I. Mathematics. Mechanics)* [1946ff] ISSN 0201-7385, ISSN 0579-9368  
 • TRANSL IN (J 0510) Moscow Univ Math Bull & Moscow University. Mechanics Bulletin
- J 0290** Euclides • NL  
*Euclides: Maandblad voor de Didactiek van de Wiskunde* [1925ff]
- J 0291** Wis-natuur Tijdsch • B  
*Wis- en Natuurkundig Tijdschrift: Orgaan van her Vlaamsch Natuur-, Wis- en Geneeskund Congres* [1921–1944]  
 • CONT AS (J 0061) Simon Stevin
- J 0292** Tijdsch Wijsbegeerte • NL  
*Tijdschrift Voor Wijsbegeerte* [1907–1932]  
 • CONT AS (J 0177) Algem Nederl Tijdschr Wijsbeg Psychol
- J 0294** Anuar Soc Paranaense Mat • BR  
*Sociedade Paranaense de Matematica. Anuario.* [1954–1957]  
 • CONT AS (J 1831) Anuar Soc Paranaense Mat, Ser 2
- J 0297** Rend Mat Appl, Ser 5 • I  
*Rendiconti di Matematica e delle sue Applicazioni. Serie 5. Universita di Roma. Istituto Nazionale di Alta Matematica (INDAM)* [1942–1967]  
 • CONT AS (J 3741) Rend Mat Appl, Ser 7
- J 0300** Rozpr Akad Krakow Histor-Filoz Ser 2 • PL  
*Akademia Umiejetosci. Krakow. Rozprawy i Sprawozdania z Posiedzen. Wydziału Historyczno-Filozoficznego. Seria 2 (Academy of Sciences. Cracow. Papers of the Academy of Sciences. Department of History and Philosophy. 2. Series)* [1891–1952]
- J 0301** J Phil • USA  
*The Journal of Philosophy* [1904ff] ISSN 0022-362X
- J 0302** Rep Math Logic, Krakow & Katowice • PL  
*Reports on Mathematical Logic. The Jagiellonian University of Cracow. The Silesian University of Katowice* [1973ff] ISSN 0083-4432  
 • CONT OF (S 0458) Zesz Nauk, Prace Log, Uniw Krakow
- J 0305** Invent Math • D  
*Inventiones Mathematicae* [1966ff] ISSN 0020-9910
- J 0306** Cah Topol & Geom Differ • F  
*Cahiers de Topologie et Geometrie Differentielle* [1959ff] ISSN 0008-0004
- J 0307** Rev Colomb Mat • CO  
*Revista Colombiana de Matematicas* [1967ff] ISSN 0034-7426  
 • CONT OF (J 0348) Rev Mat Elementales
- J 0308** Rocky Mountain J Math • USA  
*The Rocky Mountain Journal of Mathematics* [1971ff] ISSN 0035-7596
- J 0311** Nordisk Mat Tidskr • N  
*Nordisk Matematisk Tidskrift (Scandinavian Mathematical Journal)* [1953–1978] ISSN 0029-1412  
 • CONT OF (J 4510) Norsk Mat Tidsskr • CONT AS (J 3075) Normat
- J 0312** Izv Akad Nauk Armyan SSR, Ser Mat • SU  
*Izvestiya Akademii Nauk Armyanskoy SSR. Seriya Matematika (Proceedings of the Academy of Sciences of the Armenian SSR. Series: Mathematics)* [1965ff] ISSN 0002-3043  
 • TRANSL IN (J 3265) Sov J Contemp Math Anal, Armen Acad Sci
- J 0313** Period Mat (Bologna) • I  
*Periodico di Matematiche*

- J 0315** Ann Sc Norm Sup Pisa Fis Mat, Ser 3 • I  
*Annali della Scuola Normale Superiore di Pisa. Classe di Science. Fisiche e Matematiche. Serie III* [1947–1973] ISSN 0036–9918  
 • CONT OF (J 1568) Ann Sc Norm Sup Pisa, Fis Mat, Ser 2  
 • CONT AS (J 4702) Ann Sc Norm Sup Pisa Fis Mat, Ser 4
- J 0319** Matematiche (Sem Mat Catania) • I  
*Le Matematiche* [1946ff]
- J 0320** Monist • USA  
*The Monist: International Quarterly of General Philosophical Inquiry* [1890ff] ISSN 0026–9662
- J 0323** Uch Zap Ped Inst, Ryazan • SU  
*Ryazanskij Gosudarstvennyj Pedagogicheskij Institut. Uchenye Zapiski. (State Institute of Education in Ryazan. Scientific Notes)*
- J 0324** Izv Akad Nauk Latv SSR • SU  
*Izvestiya Akademii Nauk Latvskoj SSR \* Latvijas PSR Zinatnu. Akademijas Vestis (Proceedings of the Academy of Sciences of the Latvian SSR)* [1947ff] ISSN 0023–8929
- J 0325** Amer Phil Quart • GB  
*American Philosophical Quarterly* [1964ff] ISSN 0003–0481
- J 0326** J Pure Appl Algebra • NL  
*Journal of Pure and Applied Algebra* [1971ff] ISSN 0022–4049
- J 0332** Math Proc Cambridge Phil Soc • GB  
*Mathematical Proceedings of the Cambridge Philosophical Society* [1975ff] ISSN 0305–0041  
 • CONT OF (J 0171) Proc Cambridge Phil Soc Math Phys
- J 0335** Atti Accad Ligure Sci Lett (Genova) • I  
*Atti della Accademia Ligure di Scienze e Lettere* [1890ff] ISSN 0392–2219
- J 0340** Mat Zap (Univ Sverdlovsk) • SU  
*Matematicheskie Zapiski (Mathematical Notes)* ISSN 0076–5368
- J 0342** Monatsber Dt Akad Wiss • DDR  
*Die Deutsche Akademie der Wissenschaften zu Berlin. Monatsberichte: Mitteilungen aus Mathematik, Naturwissenschaft, Medizin und Technik* [1959–1971] ISSN 0011–9814
- J 0345** Adv Math • USA  
*Advances in Mathematics* [1964ff] ISSN 0001–8708  
 • REL PUBL (S 3105) Adv Math, Suppl Stud
- J 0346** Dokl Akad Nauk Armyan SSR • SU  
*Doklady Akademii Nauk Armyanskoy SSR (Reports of the Academy of Sciences of the Armenian SSR)* [1944ff] ISSN 0321–1339
- J 0348** Rev Mat Elementales • CO  
*Revista de Matematicas Elementales* [1952–1966]  
 • CONT AS (J 0307) Rev Colomb Mat
- J 0349** Math of USSR, Sbor • USA  
*Mathematics of the USSR, Sbornik* [1967ff] ISSN 0025–5734  
 • TRANSL OF (J 0142) Mat Sb, Akad Nauk SSSR, NS
- J 0350** Sci Rep Tokyo Kyoiku Daigaku Sect A • J  
*Tokyo Kyoiku Daigaku (Tokyo University of Education. Science Reports. Section A.)*
- J 0351** Osaka J Math • J  
*Osaka Journal of Mathematics* [1964ff] ISSN 0030–6126  
 • CONT OF (J 1770) Osaka Math J
- J 0352** Math Jap • J  
*Mathematica Japonica* [1948ff] ISSN 0025–5513
- J 0353** Bull Soc Math Fr • F  
*Bulletin de la Societe Mathematique de France* [1873ff] ISSN 0037–9484
- J 0354** Phil Trans Roy Soc London, Ser A • GB  
*Philosophical Transactions of the Royal Society of London. Series A. Mathematical and Physical Sciences.* ISSN 0080–4614
- J 0358** Versl Gewone Vergad Afd Natuurkd • NL  
*Koninklijke Nederlandse Akademie van Wetenschappen. Verslag van de Gewone Vergaderingen der Afding Natuurkunde (Royal Dutch Academy of Sciences. Reports of the Meetings of the Physics Section)* [1892ff] ISSN 0023–3382
- J 0366** Sitzber Berlin Math Ges • DDR  
*Die Berliner Mathematische Gesellschaft. Sitzungsberichte*
- J 0371** Glas Mat-Fiz Astron, Ser 2 (Zagreb) • YU  
*Glasnik Matematicko-Fizichki i Astronomichki. Ser II (Publications of Mathematics, Physics, Astronomy. Ser II)* [1946–1965]  
 • CONT AS (J 3519) Glas Mat, Ser 3 (Zagreb)
- J 0373** Comp Arch Inform & Numerik • A  
*Computing: Archiv fuer Informatik und Numerik \* Computing: Archives for Informatics and Numerical Computation* [1966ff] ISSN 0010–485X
- J 0377** Bol Mat (Bogota) • CO  
*Boletin de Matematicas* [1967ff]
- J 0380** Acta Cybern (Szeged) • H  
*Acta Cybernetica. Forum Centrale Publicationum Cyberneticarum Hungaricum* [1969ff] ISSN 0324–721X
- J 0381** J Tsuda College (Tokyo) • J  
*Journal of Tsuda College* [1969ff]
- J 0382** Int J Comput Math • GB  
*International Journal of Computer Mathematics. Section A: Programming Languages; Theory and Methods. Section B: Computational Methods* [1964ff] ISSN 0020–7160
- J 0385** Atti Sem Mat Fis Univ Modena • I  
*Atti del Seminario Matematico e Fisico dell'Università di Modena* [1947ff] ISSN 0041–8986
- J 0386** Proc Edinburgh Math Soc • GB  
*Proceedings of the Edinburgh Mathematical Society* [1883–1926]  
 • CONT AS (J 3420) Proc Edinburgh Math Soc, Ser 2
- J 0387** Bull Sect Logic, Pol Acad Sci • PL  
*Bulletin of the Section of Logic. Polish Academy of Sciences. Institute of Philosophy and Sociology.* [1972ff]  
 • REM Papers Published in the Bulletin are Generally: 1. Abstracts or preprints of papers submitted to other journals e.g. Studia Logica. 2. Abstracts of papers read at seminars or local conferences
- J 0390** Publ Res Inst Math Sci (Kyoto) • J  
*Publications of the Research Institute for Mathematical Sciences* [1965ff] ISSN 0034–5318  
 • REM Vols 1–4 Issued as: Kyoto Univ. Research Institute for Mathematical Sciences. Publications. Series A.
- J 0391** Riv Mat Univ Parma • I  
*Rivista di Matematica della Universita di Parma* [1891–1915]  
 • CONT AS (J 1526) Riv Mat Univ Parma, Ser 2

- J 0392** Math Sci Hum • F  
*Mathematiques et Sciences Humaines* [1962ff] ISSN 0025-5815
- J 0394** Commun Algeb • USA  
*Communications in Algebra* [1974ff] ISSN 0092-7872
- J 0396** Mat Lapok • H  
*Matematikai Lapok (Mathematical Papers)* [1949ff] ISSN 0025-519X  
• CONT OF (J 0461) Mat Fiz Lapok
- J 0397** Proc Math Phys Soc Egypt • ET  
*Proceedings of the Mathematical and Physical Society of Egypt* [1937ff] ISSN 0076-5317
- J 0400** Publ Inst Math, NS (Belgrade) • YU  
*Institut Mathematique. Publications de l'Institut Mathematique. Nouvelle Serie* [1961ff] ISSN 0522-828X  
• CONT OF (J 4706) Publ Inst Math (Belgrade)
- J 0401** J Number Th • USA  
*Journal of Number Theory* [1968ff] ISSN 0022-314X
- J 0403** Izv Akad Nauk Kazak SSR, Ser Fiz-Mat • SU  
*Izvestiya Akademii Nauk Kazakhskoj SSR. Seriya Fiziko-Matematicheskaya (Proceedings of the Academy of Sciences of the Kazakh SSR. Series: Physics & Mathematics)* [1963ff] ISSN 0002-3191
- J 0407** Comm Math Univ St Pauli (Tokyo) • J  
*Commentarii Mathematici Universitatis Sancti Pauli* [1952ff] ISSN 0010-258X
- J 0418** Shuxue Xuebao • TJ  
*Shuxue Xuebao (Acta Mathematica Sinica)* [1951ff]  
• TRANSL IN (J 0419) Chinese Math Acta  
• REM In 1951 published as: Journal of the Chinese Mathematical Society (N.S.)
- J 0419** Chinese Math Acta • USA  
*Chinese Mathematics. Acta* [1962-1967]  
• TRANSL OF (J 0418) Shuxue Xuebao
- J 0420** Shuxue Jinzhan • TJ  
*Shuxue Jinzhan (Advances in Mathematics)* [1955ff] ISSN 0559-9326
- J 0423** Pensee NS • F  
*La Pensee. Revue de Bon Rationalisme Moderne. Nouvelle Serie* [1944ff]
- J 0426** Dt Math • DDR  
*Deutsche Mathematik* [1936-1942]
- J 0431** Hiroshima Math J • J  
*Hiroshima Mathematical Journal* [1971ff] ISSN 0018-2079  
• CONT OF (J 0102) Hiroshima Univ J Sci, Ser A Math
- J 0434** J Fac Sci Univ Tokyo, Sect 1 • J  
*Journal of the Faculty of Science, University of Tokyo. Section I Mathematics, Astronomy, Physics, Chemistry* [1925-1970] ISSN 0040-8980  
• CONT AS (J 2332) J Fac Sci, Univ Tokyo, Sect 1 A
- J 0435** Int J Comput & Inf Sci • USA  
*International Journal of Computer and Information Sciences* [1972ff] ISSN 0091-7036
- J 0440** Bul Inst Politeh Bucuresti, Ser Mec • RO  
*Buletinul Institutului Politehnic "Gheorghe Gheorghiu-Dej"* Bucuresti. Seria Mecanica (Bulletin des Polytechnischen Instituts "Gheorghe Gheorghiu-Dej" Bukarest. Serie Mechanik)
- J 0441** J Indian Math Soc, NS • IND  
*The Journal of the Indian Mathematical Society. New Series* [1934ff] ISSN 0019-5839
- J 0442** J Osaka Inst Sci & Tech, Part 1 • J  
*Osaka Institute of Science and Technology (The Kinki University). Journal. Part 1. Mathematics and Physics* [1949ff]
- J 0448** Math of USSR, Izv • USA  
*Mathematics of the USSR, Izvestiya* [1967ff] ISSN 0025-5726  
• TRANSL OF (J 0216) Izv Akad Nauk SSSR, Ser Mat
- J 0449** Probl Kybern • DDR  
*Probleme der Kybernetik* [1958-1965]  
• CONT AS (J 0471) Syst Th Res • TRANSL OF (J 0052) Probl Kibern
- J 0455** Phil Naturalis • D  
*Philosophia Naturalis: Archiv fuer Naturphilosophie und die Philosophischen Grenzgebiete der Exakten Wissenschaften und Wissenschaftsgeschichte* [1950ff] ISSN 0031-8027
- J 0456** L'Age Science • F  
*L'Age de la Science* [1968ff] ISSN 0002-0737
- J 0459** C R Soc Sci Lett Varsovie Cl 3 • PL  
*Societe des Sciences et des Lettres de Varsovie. Comptes Rendus des Seances. Classe III: Sciences Mathematiques et Physiques* \* *Towarzystwo Naukowe Warszawskie. Sprawozdania z Posiedze. Wydzialu III: Nauk Matematyczno-Fizycznych (Warschauer Sitzungsberichte)* [1908-1950]
- J 0460** Acta Univ Szeged, Sect Mat • H  
*Acta Litterarum ac Scientiarum Regiae Universitatis Hungaricae Francisco-Josephinae, Sectio Scientiarum Mathematicarum* [1922-1946]  
• CONT AS (J 0002) Acta Sci Math (Szeged)
- J 0461** Mat Fiz Lapok • H  
*Matematikai es Fizikai Lapok (Mathematical and Physical Papers)* [1892-1948]  
• CONT AS (J 0396) Mat Lapok
- J 0465** Bull Greek Math Soc (NS) • GR  
*Bulletin of the Greek Mathematical Society. New Series (Hellenike Mathematike Hetaireia. Deltion. Nea Seira.)* [1960ff] ISSN 0072-7466  
• CONT OF (J 1699) Bull Soc Math Greece
- J 0470** Sov Phys, Dokl • USA  
*Soviet Physics. Doklady.* [1956ff] ISSN 0038-5689  
• TRANSL OF (J 0023) Dokl Akad Nauk SSSR
- J 0471** Syst Th Res • USA  
*Systems Theory Research* [1966ff] ISSN 0082-1255  
• CONT OF (J 1195) Probl Cybernet & (J 0449) Probl Kybern  
• TRANSL OF (J 0052) Probl Kibern
- J 0474** Avtom Vychis Tekh, Akad Nauk Latv SSR • SU  
*Avtomatika i Vychislitel'naya Tekhnika. Akademija Nauk Latvijskoj SSR (Automation and Computer Science. Academy of Sciences of the Latvian SSR)* [1967ff] ISSN 0572-4538  
• TRANSL IN (J 2666) Autom Control Comput Sci
- J 0475** Sib Math J • USA  
*Siberian Mathematical Journal* [1966ff] ISSN 0037-4466  
• TRANSL OF (J 0092) Sib Mat Zh
- J 0476** Vest Akad Nauk SSSR • SU  
*Vestnik Akademii Nauk SSSR (Publication of the Academy of Sciences of the USSR)* [1931ff] ISSN 0002-3442

- J 0479** Kwart Filoz • PL  
*Kwartalnik Filozoficzny (Philosophical Quarterly)*
- J 0480** Roy Soc Bibl Mem Fellows • GB  
*The Royal Society. Bibliographical Memoirs of Fellows.*  
 [1955ff] ISSN 0080-4606
- J 0481** Acta Univ Wroclaw • PL  
*Acta Universitatis Wratislaviensis*
- J 0482** Publ Math Univ Belgrade • YU  
*Universite de Belgrade. Publications Mathematiques* [1932ff]
- J 0483** Uch Zap, Univ Riga • SU  
*Uchenye Zapiski Latvийskogo Gosudarstvennogo Universiteta imeni Petra Stutski. \* Zinatniskie Raksti. Latvijas Valsts Universitate. (Scientific Notes of the Latvian State University.)*  
 • REM This journal consists of two series: Teoriya Algoritmov i Programm & Teoreticheskie Voprosy Avtomaticheskikh Sistem Upravleniya
- J 0484** Komb Analiz Sb Stat • SU  
*Kombinatornyj Analiz. Sbornik Statej. (Combinatorial Analysis. Collected Articles)* [1971]
- J 0488** Dialogue (Ottawa) • CDN  
*Dialogue: Canadian Philosophical Review \* Dialogue: Revue Canadienne de Philosophie.* [1962ff] ISSN 0012-2173
- J 0493** Bull Res Counc Israel Sect F • IL  
*Research Council of Israel. Bulletin. Section F. Mathematics and Physics* [1952-1962]  
 • CONT AS (J 0029) Israel J Math
- J 0494** Bull Math Soc Sci Roumanie • RO  
*Societatea Romana de Stiinte, Sectia Mathematica. Bulletin Mathematiques de la Societe Roumaine des Sciences* [1908-1956]  
 • CONT AS (J 0070) Bull Soc Sci Math Roumanie, NS
- J 0497** Math Mag • USA  
*Mathematics Magazine* [1947ff] ISSN 0025-570X  
 • CONT OF (J 1737) Nat Math Magazine (Louisiana)
- J 0500** Tamkang J Math • RC  
*Tamkang Journal of Mathematics* [1970ff] ISSN 0049-2930
- J 0503** Artif Intell • NL  
*Artificial Intelligence* [1970ff] ISSN 0004-3702
- J 0504** Manuscr Math • D  
*Manuscripta Mathematica* [1969ff] ISSN 0025-2611
- J 0508** Machine Intelligence • GB  
*Machine Intelligence* [1967ff] ISSN 0541-6418
- J 0510** Moscow Univ Math Bull • USA  
*Moscow University Mathematics Bulletin* [1969ff] ISSN 0027-1322  
 • TRANSL OF (J 0288) Vest Ser Mat Mekh, Univ Moskva
- J 0517** Mathematica (Cluj) • RO  
*Mathematica. Revue d'Analyse Numerique et de Theorie de l'Approximation* [1929ff] ISSN 0025-5505
- J 0519** Wiad Mat, Ann Soc Math Pol, Ser 2 • PL  
*Annales Societatis Mathematicae Polonae. Seria 2.*  
*Wiadomosci Matematyczne \* Roczniki Polskiego Towarzystwa Matematycznego. Seria 2. Wiadomosci Matematyczne* [1955ff] ISSN 0079-3698  
 • CONT OF (J 4710) Pol Tow Mat, Wiad Mat
- J 0521** Semin Math, Inst Steklov • USA  
*Seminars in Mathematics. V.A.Steklov Mathematical Institute Leningrad* [1967ff]  
 • TRANSL OF (S 0228) Zap Nauch Sem Leningrad Otd Mat Inst Steklov
- J 0523** Bull Nagoya Inst Tech • J  
*Bulletin of Nagoya Institute of Technology* [1949ff]
- J 0524** Disq Math Phys • RO  
*Disquisitiones Mathematicae et Physicae* [1940-1949]  
 • CONT AS (J 0197) Stud Cercet Mat Acad Romana
- J 0529** Aequationes Math • CH  
*Aequationes Mathematicae* [1968ff] ISSN 0001-9054
- J 0537** Yokohama Math J • J  
*The Yokohama Mathematical Journal* [1953ff] ISSN 0044-0523
- J 0545** Proc Indian Acad Sci, Sect A • IND  
*Indian Academy of Sciences. Proceedings. Section A: Physical Sciences* [1931ff] ISSN 0019-428X
- J 0549** Riv Mat Univ Parma, Ser 4 • I  
*Rivista di Matematica della Universita di Parma. Serie 4* [1975ff] ISSN 0035-6298  
 • CONT OF (J 3254) Riv Mat Univ Parma, Ser 3
- J 0589** Bull Amer Math Soc (NS) • USA  
*Bulletin of the American Mathematical Society. New Series* [1979ff] ISSN 0273-0979  
 • CONT OF (J 0015) Bull Amer Math Soc
- J 0597** Afr Tydsk Wetensk Kuns • ZA  
*Afrikaans Tydskrif vir Wetenskap en Kuns*
- J 0611** Pol Tow Mat, Prace Mat-Fiz • PL  
*Polskie Towarzystwo Matematyczne. Prace Matematyczno-Fizyczne (Mathematische und Physikalische Abhandlungen)* [1887-1954]  
 • CONT AS (J 0051) Commentat Math, Ann Soc Math Pol, Ser 1 & (J 2095) Fund Inform, Ann Soc Math Pol, Ser 4
- J 0748** Erkenntnis (Leipzig) • DDR  
*Erkenntnis* [1930-1939]  
 • CONT OF (J 1380) Ann Philos & Philos Kritik • CONT AS (J 3597) J Unif Sci
- J 0767** Rev Gen Sci Pur Appl • F  
*Revue Generale des Sciences Pures et Appliquees* [1890-1952]  
 • CONT AS (J 0211) Rev Gen Sci Pur Appl & Bull Soc Philomatique
- J 0789** Uch Zap Mat Ped Inst, Tula • SU  
*Tul'skij Gosudarstvennyj Pedagogicheskij Institut im. L.N.Tolstogo. Uchenye Zapiski Matematicheskikh Kafedr (Tolstoi State Institute of Education in Tula. Scientific Notes of the Mathematical Faculties)*
- J 0931** Anz Oesterr Akad Wiss, Math-Nat Kl • A  
*Anzeiger der Oesterreichischen Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Klasse* [1864ff] ISSN 0065-535X
- J 0945** Riv Filos • I  
*Rivista di Filosofia* [1909ff] ISSN 0035-6239
- J 0951** Bull Soc Fr Phil • F  
*Societe Francaise de Philosophie. Bulletin.* [1901ff] ISSN 0037-9352

- J 0956** Forsch Logik Grundl exakt Wiss • D  
*Forschungen zur Logik und zur Grundlegung der exakten Wissenschaften* [1937–1943]
- J 0963** Ajatus (Helsinki) • SF  
*Ajatus. Suomen Filosofisen Yhdislyksen Vuosikirja (Yearbook of the Philosophical Society of Finland)* [1926ff]
- J 0967** Izv Akad Nauk Mold SSR, Ser Fiz-Tekh Mat • SU  
*Izvestiya Akademii Nauk Moldavskoj SSR. Seriya Fiziko-Tekhnicheskikh i Matematicheskikh Nauk \* Buletinul Academiei de Stiințe a RSS Moldovenești (Proceedings of the Academy of Sciences of the Moldavian SSR. Series: Physical-Technical and Mathematical Sciences)* [1951ff] ISSN 0321-169X
- J 0974** Norsk Vid-Akad Oslo Mat-Natur Kl Skr • N  
*Norske Videnskaps – Akademi i Oslo. Matematisk-Naturvidenskapelig Klasse. Skrifter. (Monographs of the Scandinavian Academy of Sciences. Mathematical and Natural Sciences Class)* [1929ff] ISSN 0029-2338  
• CONT OF (J 1145) Vidensk Selsk Kristiana Skrifter Ser 1
- J 0975** Norsk Mat Forenings Skr • N  
*Norsk Matematisk Forenings Skrifter*
- J 0982** Z Wahrscheinltheor & Verw Geb • D  
*Zeitschrift fuer Wahrscheinlichkeitstheorie und Verwandte Gebiete* [1962ff] ISSN 0044-3719
- J 0983** Forsch Fortschritte • DDR  
*Forschungen und Fortschritte. Nachrichtenblatt der Deutschen Wissenschaft und Technik* [1924–1967]
- J 0989** Z Allg Wissth • D  
*Zeitschrift fuer Allgemeine Wissenschaftstheorie (Journal for General Philosophy of Science)* [1969ff] ISSN 0044-2216
- J 0991** Acta Acad Aabo, Ser B • SF  
*Acta Academiae Aboensis, Ser. B. Mathematica et Physica. Matematik, Naturvetenskaper, Teknik* [1936ff] ISSN 0001-5105
- J 1005** Rep Fac Sci, Shizuoka Univ • J  
*Reports of the Faculty of Science. Shizuoka University.* [1965ff] ISSN 0583-0923
- J 1008** Demonstr Math (Warsaw) • PL  
*Demonstratio Mathematica* [1969ff] ISSN 0420-1213
- J 1012** Rice Inst Pamphlet • USA  
*The Rice Institute Pamphlet. Monographs in Mathematics.*
- J 1021** Itogi Nauki Ser Mat • SU  
*Itogi Nauki. Seriya Matematiki (Progress in Science. Mathematical Series)* [1962–1971] ISSN 0579-1731  
• CONT AS (J 1488) Itogi Nauki Tekh, Ser Probl Geom & (J 1501) Itogi Nauki Tekh, Ser Algeb, Topol, Geom & (J 1452) Itogi Nauki Tekh, Ser Sovrem Probl Mat & (J 3188) Itogi Nauki Tekh, Ser Teor Veroyat Mat Stat Teor Kibern & (J 4387) Itogi Nauki Tekh, Ser Tekh Kibern • TRANSL IN (J 1531) J Sov Math  
• REM J1531 contains only selected translations
- J 1024** Zhongguo Kexue • TJ  
*Zhongguo Kexue (Scientia Sinica)* [1950–1981]  
• CONT AS (J 3766) Zhongguo Kexue, Xi A
- J 1033** Etud Phil • F  
*Les Etudes Philosophiques* [1926ff] ISSN 0014-2166
- J 1044** Math Notes, Acad Sci USSR • USA  
*Mathematical Notes of the Academy of Sciences of the USSR* [1967ff] ISSN 0001-4346  
• TRANSL OF (J 0087) Mat Zametki (Akad Nauk SSSR)
- J 1048** Kiber Sb Perevodov • SU  
*Kiberneticheskij Sbornik: Sbornik Perevodov. (Collected Articles on Cybernetics: Collected Translations)* [1960–1964]  
• CONT AS (J 3079) Kiber Sb Perevodov, NS
- J 1069** Tydskr Natuurwetenskap (Pretoria) • ZA  
*Tydskrif vir Naturwetenskappe (Journal for Natural Sciences)* [1961ff] ISSN 0041-4786
- J 1092** Ann Univ Paris • F  
*Universite de Paris. Annales* ISSN 0041-9176
- J 1093** Ruch Filoz • PL  
*Ruch Filozoficzny. Polskie Towarzystwo Filozoficzne (Philosophical Movement. Polish Philosophical Society)* ISSN 0035-9599
- J 1095** Beitr Phil Deutsch Idealismus • D  
*Beitraege zur Philosophie des Deutschen Idealismus* [1918–1926]  
• CONT AS (J 0168) Blaetter Deutsch Philos
- J 1099** Phil Math • USA  
*Philosophia Mathematica. An International Journal for Philosophy of Modern Mathematics* [1964ff] ISSN 0031-8019
- J 1108** Arkhimedes (Helsinki) • SF  
*Arkhimedes* [1949ff] ISSN 0004-1920
- J 1109** Nachr Akad Wiss Goettingen, Math-Phys Kl • D  
*Nachrichten der Akademie der Wissenschaften in Goettingen. II. Mathematisch-Physikalische Klasse* [1893ff] ISSN 0065-5295
- J 1114** Arch Phil • D  
*Archiv fuer Philosophie* [1911–1930, 1947–1964]
- J 1119** Ita-humanidades • BR  
*Ita-Humanidades*
- J 1124** Ergeb Math Kolloquium • A  
*Ergebnisse eines Mathematischen Kolloquiums* [1929–1936]
- J 1145** Vidensk Selsk Kristiana Skrifter Ser 1 • N  
*Videnskaps Selskabet i Kristiana. Skrifter Utgit. I Matematisk-Naturvidenskapelig Klasse* [?-1928]  
• CONT AS (J 0974) Norsk Vid-Akad Oslo Mat-Natur Kl Skr
- J 1150** Proc Roy Soc London, Ser A • GB  
*Proceedings of the Royal Society of London. Series A. Mathematical and Physical Sciences.* [1905ff] ISSN 0080-4630
- J 1154** Science (AAAS) • USA  
*Science. AAAS (= American Association for Advancement of Science)* [1880ff] ISSN 0036-8075
- J 1156** Izv Bulgar Akad Nauk Mat Inst • BG  
*Bulgarska Akademiya na Naukite. Otdelenie Za Fiziko-Matematicheski i Tekhnicheski Nauki. Izvestiya na Matematicheski Institut (Bulgarian Academy of Sciences. Department of Physics, Mathematics & Engineering. Reports of the Mathematical Institute)* [1957–1974]  
• CONT AS (J 2547) Serdica, Bulgar Math Publ
- J 1157** Rend Accad Lincei Roma, Ser 5 • I  
*Atti della Reale Accademia dei Lincei. Rendiconti. Classe di Scienze Fisiche, Matematiche e Naturali. Serie 5* [1892–1924]  
• CONT AS (J 3990) Rend Accad Lincei Roma, Ser 6

- J 1179** Filoz Jugos Chas (Belgrade) • YU  
*Filozofija: Jugoslovenski Chasopis Za Filozofiju (Philosophy: Yugoslavian Journal of Philosophy)* [1957ff] ISSN 0015-1866
- J 1195** Probl Cybernet • GB  
*Problems of Cybernetics* [1958–1965]  
 • CONT AS (J 0471) Syst Th Res • TRANSL OF (J 0052) Probl Kibern
- J 1377** Ann New York Acad Sci • USA  
*New York Academy of Sciences. Annals* [1877ff] ISSN 0077-8923
- J 1379** Christiaan Huygens Internat Math Tijdschr • NL  
*Christiaan Huygens. Internationaal Mathematisch Tijdschrift* [1868–1942]  
 • CONT AS (J 0061) Simon Stevin
- J 1380** Ann Philos & Philos Kritik • DDR  
*Annalen der Philosophie und Philosophischen Kritik* [1925–1929]  
 • CONT AS (J 0748) Erkenntnis (Leipzig)
- J 1388** Rep Univ Waterloo • CDN  
*University of Waterloo. Reports*
- J 1393** Ann Acad Nac Cien Exact Fis Nat Buenos Aires • RA  
*Academia Nacional de Ciencias Exactas, Fisicas y Naturales de Buenos Aires. Annales*
- J 1399** Russ Math Surv • GB  
*Russian Mathematical Surveys* [1946ff] ISSN 0036-0279  
 • TRANSL OF (J 0067) Usp Mat Nauk
- J 1404** Mat Sb, Akad Nauk SSSR • SU  
*Matematicheskiy Sbornik. Akademiya Nauk SSSR i Moskovskoe Matematicheskoe Obschestvo (Mathematical Collected Articles. New Series. Academy of Sciences of the USSR and the Moscovian Mathematical Society)* [1866–1935]  
 • CONT AS (J 0142) Mat Sb, Akad Nauk SSSR, NS
- J 1405** Ann Pol Math • PL  
*Annales Polonici Mathematici. Polska Akademia Nauk, Instytut Matematyczny* [1953ff] ISSN 0066-2216  
 • CONT OF (J 0283) Ann Soc Pol Math
- J 1426** Theor Comput Sci • NL  
*Theoretical Computer Science* [1975ff] ISSN 0304-3975
- J 1428** SIAM J Comp • USA  
*Journal on Computing. SIAM (=Society for Industrial and Applied Mathematics)* [1972ff] ISSN 0097-5397
- J 1431** Acta Inf • D  
*Acta Informatica* [1971ff] ISSN 0001-5903
- J 1447** Houston J Math • USA  
*Houston Journal of Mathematics* [1975ff] ISSN 0362-1588
- J 1452** Itogi Nauki Tekh, Ser Sovrem Probl Mat • SU  
*Itogi Nauki i Tekhniki: Seriya Sovremennoye Problemy Matematiki (Progress in Science and Technology: Series on Current Problems in Mathematics)* [1972ff]  
 • CONT OF (J 1021) Itogi Nauki Ser Mat • TRANSL IN (J 1531) J Sov Math
- J 1472** Sci Rep Saitama Univ, Ser A • J  
*The Science Reports of the Saitama University. Series A. Mathematics* [1952–1982] ISSN 0558-2431  
 • CONT AS (J 3940) Saitama Math J Physics, and Chemistry
- J 1488** Itogi Nauki Tekh, Ser Probl Geom • SU  
*Itogi Nauki i Tekhnike. Seriya Problemy Geometrii (Progress in Science and Technology. Series Problems in Geometry)* [1972ff] ISSN 0202-7461  
 • CONT OF (J 1021) Itogi Nauki Ser Mat • TRANSL IN (J 1531) J Sov Math
- J 1501** Itogi Nauki Tekh, Ser Algeb, Topol, Geom • SU  
*Itogi Nauki i Tekhniki. Seriya Algebra, Topologiya, Geometriya. (Progress in Science and Technology. Series Algebra, Topology, Geometry)* [1972ff] ISSN 0202-7445  
 • CONT OF (J 1021) Itogi Nauki Ser Mat • TRANSL IN (J 1531) J Sov Math & (C 4688) Prog in Math, Vol 12  
 • REM C4688 is Volume 1968
- J 1507** An Inst Mat, Univ Nac Aut Mexico • MEX  
*Anales del Instituto de Matematicas. Universidad Nacional Autonoma de Mexico* [1961ff] ISSN 0076-7441
- J 1515** Archimede • I  
*Archimede. Rivista per gli Insegnanti e i Cultori di Matematiche Pure e Applicate* [1949ff] ISSN 0003-8369
- J 1526** Riv Mat Univ Parma, Ser 2 • I  
*Rivista di Matematica della Universita di Parma. Serie 2* [1960–1971] ISSN 0035-6298  
 • CONT OF (J 0391) Riv Mat Univ Parma • CONT AS (J 3254) Riv Mat Univ Parma, Ser 3
- J 1527** Pokroky Mat Fyz Astron (Prague) • CS  
*Pokroky Matematiky, Fyziky a Astronomie (Progress in Mathematics, Physics and Astronomy)* [1956ff] ISSN 0032-2423
- J 1531** J Sov Math • USA  
*Journal of Soviet Mathematics* [1973ff] ISSN 0090-4104  
 • TRANSL OF (J 1021) Itogi Nauki Ser Mat & (S 0228) Zap Nauch Sem Leningrad Otd Mat Inst Steklov & Problemy Matematicheskogo Analiza & (J 1452) Itogi Nauki Tekh, Ser Sovrem Probl Mat & (J 1501) Itogi Nauki Tekh, Ser Algeb, Topol, Geom & (J 3188) Itogi Nauki Tekh, Ser Teor Veroyat Mat Stat Teor Kibern & (J 1488) Itogi Nauki Tekh, Ser Probl Geom  
 • REM This contains selected translations from each of the Russian Journals listed
- J 1550** Creation Math • IL  
*Creation in Mathematics* [1970ff]
- J 1568** Ann Sc Norm Sup Pisa, Fis Mat, Ser 2 • I  
*Annali della R. Scuola Normale Superiore di Pisa. Serie 2 Scienze Fisiche e Matematiche* [1932–1946]  
 • CONT OF (J 1908) Ann Sc Norm Sup Pisa, Fis Mat • CONT AS (J 0315) Ann Sc Norm Sup Pisa Fis Mat, Ser 3
- J 1573** Notas Commun Mat (Recife) • BR  
*Notas e Comunicacoes de Matematica* [1965ff] ISSN 0085-5413
- J 1576** Publ Sem Mat Garcia Galdeano (Zaragoza) • E  
*Publicaciones del Seminario Matematico Garcia de Galdeano. Consejo Superior de Investigaciones Cientificas. Facultad de Ciencias de Zaragoza.* [1959ff] ISSN 0085-6029
- J 1583** Rep Dept Math, Univ Amsterdam • NL  
*Report. Department of Mathematics, University of Amsterdam*  
 • REM Preprint Series
- J 1604** J Struct Learning • USA  
*Journal of Structural Learning* ISSN 0022-4774
- J 1620** Asterisque • F  
*Asterisque* [1973ff] ISSN 0303-1179

- J 1622** Arch Int Hist Sci (NS) • D  
*Archives Internationales d'Histoire des Sciences. Nouvelle Serie* [1972ff] ISSN 0003-9810  
 • CONT OF (J 2341) Arch Int Hist Sci
- J 1648** Hist Math • USA  
*História Mathematica. International Journal of History of Mathematics* [1974ff] ISSN 0315-0860
- J 1650** Rapp, Sem Math Pure, Univ Cathol Louvain • B  
*Rapport. Séminaire de Mathématique Pure*
- J 1669** J Comb Th • USA  
*Journal of Combinatorial Theory* [1966-1970] ISSN 0021-9800  
 • CONT AS (J 0164) J Comb Th, Ser A & (J 0033) J Comb Th, Ser B
- J 1670** Mitt Math Ges DDR • DDR  
*Mitteilungen der Mathematischen Gesellschaft der DDR*
- J 1680** Cienc Tecnol, Costa Rica • CR  
*Ciencia y Tecnología, Revista de la Universidad de Costa Rica* [1976ff] ISSN 0378-052X
- J 1699** Bull Soc Math Grece • GR  
*(Bulletin de la Société Mathématique Grèce)* [1921-1959]  
 • CONT AS (J 0465) Bull Greek Math Soc (NS)
- J 1718** Rev Mat Santiago • RCH  
*Revista de Matemáticas, Santiago*
- J 1720** Rev Neoscolast Philos, Ser 2 • B  
*Revue Neo-Scolastique de Philosophie. Serie 2* [1910-1945]  
 • CONT AS (J 0252) Rev Philos Louvain
- J 1728** Wijsg Persp Weten Maatsch • NL  
*Wijsgerig Perspectief op Wetenschap en Maatschappij (Philosophical Perspective on Society and Science.)* [1960ff] ISSN 0043-5414
- J 1737** Nat Math Magazine (Louisiana) • USA  
*National Mathematics Magazine* [1926-1946]  
 • CONT AS (J 0497) Math Mag
- J 1742** Atti Accad Sci Torino, Fis Mat Nat • I  
*Atti della Reale Accademia delle Scienze di Torino. Classe I: Scienze Fisiche, Matematiche e Naturali* [1865-1939]  
 • CONT AS (J 0220) Atti Accad Sci Torino, Fis Mat Nat
- J 1770** Osaka Math J • J  
*Osaka Mathematical Journal* [1949-1963]  
 • CONT AS (J 0351) Osaka J Math
- J 1784** Wisk Tijdsch • NL  
*Wiskundig Tijdschrift* [1904-1921]
- J 1793** Nieuw Arch Wisk, Ser 2 • NL  
*Nieuw Archief voor Wiskunde. Reeks 2* [1894-1952]  
 • CONT OF (J 0046) Nieuw Arch Wisk • CONT AS (J 3077) Nieuw Arch Wisk, Ser 3
- J 1829** Algem Nederl Tijdschr Wijsbeg • NL  
*Algemeen Nederlands Tijdschrift Voor Wijsbegeerte* [1970ff] ISSN 0002-5275  
 • CONT OF (J 0177) Algem Nederl Tijdschr Wijsbeg Psychol
- J 1831** Anuar Soc Paranaense Mat, Ser 2 • BR  
*Sociedade Paranaense de Matemática. Anuario. Serie 2* [1958ff]  
 • CONT OF (J 0294) Anuar Soc Paranaense Mat
- J 1854** Bull Sec Mat Soc Catalana Cienc • E  
*Bulleti de la Secció de Matemàtiques de la Societat de Ciències Físiques, Químiques i Matemàtiques (Bericht der Abteilung Mathematik der Wissenschaftsgesellschaft fuer Physik, Chemie und Mathematik)* [1981ff]
- J 1908** Ann Sc Norm Sup Pisa, Fis Mat • I  
*Annali della Reale Scuola Normale Superiore Universitaria di Pisa. Scienze Fisiche e Matematiche* [1913-1931]  
 • CONT AS (J 1568) Ann Sc Norm Sup Pisa, Fis Mat, Ser 2
- J 1910** Proc London Math Soc, Ser 2 • GB  
*Proceedings of the London Mathematical Society. Serie 2* [1904-1951]  
 • CONT OF (J 0077) Proc London Math Soc • CONT AS (J 3240) Proc London Math Soc, Ser 3
- J 1928** Mathematica B • NL  
*Mathematica : Tijdschrift voor Allen die de Hoogere Wiskunde Beoefenen. Afdeling B* [1934-1948]  
 • CONT AS (J 0061) Simon Stevin  
 • REM Vols 1 - 3/1 appeared under the title 'Mathematica', which from 3/2 onwards was split into 'Mathematica A' and 'Mathematica B'
- J 1929** Prace Centr Oblicz Pol Akad Nauk • PL  
*Polska Akademija Nauk. Centrum Obliczeniowe. Prace. (Polish Academy of Sciences. Computation Centre. Reports)* ISSN 0079-3175
- J 1934** Ann Sci Univ Clermont Math • F  
*Annales Scientifiques de l'Université de Clermont-Ferrand II, Section Mathématiques (Clermont Ferrand)* [1973ff] ISSN 0069-472X  
 • CONT OF (J 0179) Ann Fac Sci Clermont
- J 1942** Matematika (Belgrade) • YU  
*Matematika (Beograd= Belgrade) (Mathematics)*
- J 1943** Recueil Travaux Inst Math (Beograd) • YU  
*Recueil des Travaux de l'Institut Mathématique (Beograd)*
- J 1944** Sitzb, Akad Wiss, Bayern, Math-Nat Kl • D  
*Bayerische Akademie der Wissenschaften. Sitzungsberichte* [1931ff] ISSN 0340-7586
- J 2022** Comm Math Helvetici • CH  
*Commentarii Mathematici Helvetici* [1929ff] ISSN 0010-2571
- J 2028** Hist & Phil Log • GB  
*History and Philosophy of Logic* [1980ff] ISSN 0144-5340
- J 2038** Rend Sem Mat, Torino • I  
*Rendiconti del Seminario Matematico (gia "Conferenze di Fisica e di Matematica"). Università e Politecnico di Torino*
- J 2053** Math Medley • SGP  
*Mathematical Medley* [1975ff]
- J 2074** Sem-ber, Muenster • D  
*Semesterbericht Muenster* [1931-1939]
- J 2076** Rev Int Philos • B  
*Revue Internationale de Philosophie* [1938ff] ISSN 0048-8143  
 • CONT OF (J 0151) Arch Soc Belg Philos
- J 2085** Acta Cient Venez • YV  
*Acta Científica Venezolana* [1950ff] ISSN 0001-5504
- J 2094** IEEE Trans Software Engin • USA  
*Transactions on Software Engineering. IEEE (= Institute of Electrical and Electronics Engineers)* [1975ff] ISSN 0098-5589

- J 2095** Fund Inform, Ann Soc Math Pol, Ser 4 • PL  
*Fundamenta Informaticae. Annales Societatis Mathematicae Polonae. Series 4 \* Roczniki Polskiego Towarzystwa Matematycznego. Seria 4* [1977ff] ISSN 0324-8429  
• CONT OF (J 0611) Pol Tow Mat, Prace Mat-Fiz
- J 2099** Boll Unione Mat Ital, VI Ser, A • I  
*Bulletino della Unione Matematica Italiana. Serie VI. A* [1982ff] ISSN 0041-7084  
• CONT OF (J 3285) Boll Unione Mat Ital, V Ser, A
- J 2100** Boll Unione Mat Ital, VI Ser, B • I  
*Bulletino della Unione Matematica Italiana. Serie VI. B* [1982ff] ISSN 0041-7084  
• CONT OF (J 3495) Boll Unione Mat Ital, V Ser, B
- J 2107** Publ Dep Math, Lyon, NS • F  
*Publications du Departement de Mathematiques. Nouvelle Serie. Faculte des Sciences de Lyon.* [1982ff] ISSN 0076-1656  
• CONT OF (J 0056) Publ Dep Math, Lyon
- J 2119** Suppl Aristotelian Soc • GB  
*The Aristotelian Society Supplementary* [1918ff]  
• REL PUBL (J 0113) Proc Aristotelian Soc
- J 2128** C R Math Acad Sci, Soc Roy Canada • CDN  
*Comptes Rendus Mathematiques de l'Academie des Sciences. La Societe Royale du Canada \* Mathematical Reports of the Academy of Sciences* [1979ff] ISSN 0706-1994
- J 2307** Japan J Math • J  
*Japanese Journal of Mathematics* [1924–1974]  
• CONT AS (J 2347) Japan J Math, NS
- J 2313** C R Acad Sci, Paris, Ser A-B • F  
*Academie des Sciences de Paris. Comptes Rendus Hebdomadaires des Seances. Serie A: Sciences Mathematiques, Serie B: Sciences Physiques* [1966–1980]  
ISSN 0001-4036  
• CONT OF (J 0109) C R Acad Sci, Paris • CONT AS (J 3364) C R Acad Sci, Paris, Ser 1 & (J 2314) C R Acad Sci, Paris, Ser 2
- J 2314** C R Acad Sci, Paris, Ser 2 • F  
*Comptes Rendus des Seances de l'Academie des Sciences. Serie II. Mecanique-Physique, Chimie, Sciences de la Terre, Sciences de l'Univers* [1981ff]  
• CONT OF (J 2313) C R Acad Sci, Paris, Ser A-B
- J 2332** J Fac Sci, Univ Tokyo, Sect 1 A • J  
*Journal of the Faculty of Science. University of Tokyo. Section 1 A. Mathematics* [1971ff] ISSN 0040-8980  
• CONT OF (J 0434) J Fac Sci Univ Tokyo, Sect 1
- J 2341** Arch Int Hist Sci • F  
*Archives Internationales d'Histoire des Sciences. Academie Internationale d'Histoire des Sciences* [1919–1971] ISSN 0003-9810  
• CONT AS (J 1622) Arch Int Hist Sci (NS)
- J 2347** Japan J Math, NS • J  
*Japanese Journal of Mathematics. New Series* [1975ff] ISSN 0075-3432  
• CONT OF (J 2307) Japan J Math
- J 2547** Serdica, Bulgar Math Publ • BG  
*Serdica. Bulgarianae Mathematicae Publicationes* [1975ff]  
ISSN 0204-4110  
• CONT OF (J 1156) Izv Bulgar Akad Nauk Mat Inst
- J 2551** J Log Progr • USA  
*Journal of Logic Programming* [1984ff] ISSN 0743-1066
- J 2562** Publ Sec Mat Univ Autonoma Barcelona • E  
*Publications de la Seccio de Matem鄑iques. Universitat Autonoma de Barcelona (Veroeffentlicheung der Abteilung Mathematik)*
- J 2574** Litov Mat Sb (Vil'nyus) • SU  
*Litovskij Matematicheskij Sbornik \* Lietuvos Matematikos Rinkinys (Lithuanian Mathematical Collected Articles)* [1961ff] ISSN 0132-2818  
• TRANSL IN (J 3283) Lith Math J
- J 2606** Tsukuba J Math • J  
*Tsukuba Journal of Mathematics* [1977ff] ISSN 0387-4982
- J 2635** Topology Appl • NL  
*Topology and its Applications. A Journal Devoted to General, Geometric, Set-Theoretic and Algebraic Topology* [1980ff]  
ISSN 0166-8641  
• CONT OF (J 0254) Gen Topology Appl
- J 2660** Ann Sci Math Quebec • CDN  
*Les Annales des Sciences Mathematiques du Quebec.* [1977ff]  
ISSN 0707-9109
- J 2661** Ann Probab • USA  
*The Annals of Probability. An Official Journal of the Institute of Mathematical Statistics.* [1973ff] ISSN 0091-1798
- J 2666** Autom Control Comput Sci • USA  
*Automatic Control and Computer Sciences* [1969ff] ISSN 0146-4116  
• TRANSL OF (J 0474) Avtom Vychis Tekh, Akad Nauk Latv SSR
- J 2678** Bull Aichi Univ Educ Nat Sci • J  
*Bulletin of Aichi University of Education. Natural Science*
- J 2679** Bull Inst Math Appl (Southend oS) • GB  
*Bulletin of the Institute of Mathematics and its Applications* [1965ff]
- J 2684** J Huazhong Inst Tech (Engl Ed) • TJ  
*Journal of Huazhong Institute of Technology. English Edition* [1979–1981]  
• CONT AS (J 3218) J Huazhong Univ Sci Tech (Engl Ed)  
• TRANSL OF (J 2754) Huazhong Gongxueyuan Xuebao
- J 2688** Conceptus (Wien) • A  
*Conceptus. Zeitschrift fuer Philosophie* [1967ff] ISSN 0010-5155
- J 2736** Int J Theor Phys • USA  
*International Journal of Theoretical Physics* [1968ff] ISSN 0020-7748
- J 2747** J Approx Th • USA  
*Journal of Approximation Theory* [1968ff] ISSN 0021-9045
- J 2751** J Fac Lib Art Yamaguchi Univ • J  
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- X 0740** *Shanghai Kexue Jishu Chubanshe (Scientific and Technical Press)* (Shanghai, TJ)
- X 0801** *Academic Press* (New York, NY, USA & London, GB) ISBN 0-12
- X 0803** *American Mathematical Society* (Providence, RI, USA) ISBN 0-8218
- X 0804** *Birkhaeuser Verlag* (Basel, CH & Stuttgart, D & Cambridge, MA, USA) ISBN 3-7643
- X 0805** *The Cambridge University Press.* (Cambridge, GB & New York, NY, USA & Melbourne, Vic, AUS) ISBN 0-521
- X 0806** *VEB Deutscher Verlag der Wissenschaften* (Berlin, DDR) ISBN 3-326
- X 0807** *Duke University Press* (Durham, NC, USA) ISBN 0-8223
- X 0808** *W. Kohlhammer* (Stuttgart, D & Koeln, D & Berlin, D & Mainz, D) ISBN 3-17
- X 0809** *North-Holland Publishing Company.* (Amsterdam, NL & Oxford, GB) ISBN 0-7204 • REL PUBL (X 0838) Amer Elsevier: New York
- X 0811** *Springer-Verlag* (Heidelberg, D & Berlin, D & New York, NY, USA & Tokyo, J) ISBN 3-540, ISBN 0-387 • REL PUBL (X 1231) Barth: Leipzig & (X 0902) Springer: Wien
- X 0812** *Wolters-Noordhoff* (Groningen, NL) ISBN 90-01 • REL PUBL (X 1317) Noordhoff: Groningen
- X 0815** *The Clarendon Press* (Oxford, GB) ISBN 0-19 • REL PUBL (X 0894) Oxford Univ Pr: Oxford • REM This Imprint is Used for Academic Books Published by X0894.
- X 0816** *Methuen & Company* (London, GB & New York, NY, USA & Agincourt, M, CDN & North Ryde, AUS) ISBN 0-416
- X 0818** *Holt Rinehart & Winston* (New York, NY, USA & Toronto, ON, CDN & Artarmon, NSW, AUS & & Eastbourne,GB) ISBN 0-03 • REM In Australia & United Kingdom: Holt-Saunders: Eastbourne, GB & Artarmon, NSW, AUS
- X 0819** *Prentice Hall* (Englewood Cliffs, NJ, USA & Brookvale, NSW, AUS & Scarborough, ON, CDN) ISBN 0-13 • REL PUBL (X 2040) Winthrop: Cambridge
- X 0820** *Interscience Publishers* (New York, NY, USA & Chichester, GB) ISBN 0-470 • REL PUBL (X 0827) Wiley & Sons: New York
- X 0821** *Wadsworth Publishing Co.* (Belmont, CA, USA & Crows Nest, NSW, AUS & Artamon, NSW, AUS) ISBN 0-534
- X 0822** *McGraw-Hill Book Company* (New York, NY, USA & Roseville, NSW, AUS & Isando, ZA & Maidenhead, GB & Singapore, SGP & Scarborough, CDN & Sao Paulo, BR) ISBN 0-07 • REM Member Firms: 1) CRM/McGraw-Hill, Del Mar, CA, USA. 2) CTB/McGraw-Hill, Monterey, CA, USA. 3) Edutronics/McGraw-Hill, Los Angeles, CA, USA. 4) Instru/McGraw-Hill, Paoli, PA, USA. 5) McGraw-Hill Continuing Education Center, Washington, DC, USA. 6) McGraw-Hill International Book Company, Singapore, SGP. 7) Sheperd's/McGraw-Hill, Colorado Springs, CO, USA. 8) McGraw-Hill do Brasil, Sao Paulo, BR.
- X 0823** *B.G.Teubner* (Stuttgart, D) ISBN 3-519 • REM See also X1079
- X 0824** *The Free Press* (New York, NY, USA) ISBN 0-02 • REL PUBL (X 0843) Macmillan : New York & London
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- X 0827** *J.Wiley & Sons* (New York, NY, USA & Chichester, GB & Rexdale, ON, CDN & Auckland, NZ) ISBN 0-471 • REL PUBL (X 0942) Norton: New York & (X 0820) Intersci Publ: New York & (X 0880) Ronald Press: New York & (X 2737) Israel Progr Sci Transl: Jerusalem
- X 0832** *Addison-Wesley Publishing Co.* (Reading, MA, USA & London, GB & Don Mills, ON, CDN & North Ryde, NSW, AUS) ISBN 0-201 • REL PUBL (X 0867) Benjamin: Reading
- X 0833** *Jerusalem Academic Press* (Jerusalem, IL)
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## Miscellaneous Indexes

## External classifications

This index complements the Subject Index at the beginning of this volume; it lists the items which, in addition to classifications in the present volume, have classifications *external to this volume*. These items are ordered by external classification code and within each code by author (the first alphabetically in the case of multi-author items), year and identification number (thus an item with, for example, two external classifications occurs twice in this listing). This index provides another way to search the bibliography. With it, the user can easily identify those items in this volume classified also in some area external to this volume.

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 Grayson, R.J. [1981] 54421  
 Grayson, R.J. [1982] 34036  
 Grayson, R.J. [1984] 41840  
 Hajek, P. [1970] 05521  
 Hayashi, S. [1980] 54379  
 Hayashi, S. [1981] 33411  
 Hoeven van der, G.F. [1984] 41155  
 Hoeven van der, G.F. [1984] 42464  
 Hyland, J.M.E. [1979] 53888  
 Hyland, J.M.E. [1980] 54042  
 Hyland, J.M.E. [1981] 36809  
 Hyland, J.M.E. [1982] 35795  
 Jankowski, A.W. [1985] 47500  
 Johnstone, P.T. [1977] 51354  
 Johnstone, P.T. [1979] 56505  
 Johnstone, P.T. [1979] 74552  
 Johnstone, P.T. [1981] 34303  
 Johnstone, P.T. [1982] 38303  
 Josza, R. [1984] 45334  
 Joyal, A. [1975] 27668  
 Kock, A. [1975] 17664  
 Kock, A. [1976] 51593  
 Kock, A. [1977] 24203  
 Kock, A. [1979] 53332  
 Kock, A. [1981] 54988

- Lambek, J. [1968] 07819  
 Lambek, J. [1974] 07820  
 Lambek, J. [1980] 54113  
 Lambek, J. [1980] 75326  
 Lambek, J. [1980] 75328  
 Lambek, J. [1981] 55052  
 Lambek, J. [1983] 40763  
 Lambek, J. [1984] 44302  
 Lavendhomme, R. [1983] 34453  
 Lawvere, F.W. [1972] 25072  
 Longo, G. [1979] 55892  
 Longo, G. [1984] 44662  
 Mac Lane, S. [1975] 18268  
 Mac Lane, S. [1982] 38409  
 Macnab, D.S. [1977] 51394  
 Makkai, M. [1977] 50433  
 Marchini, C. [1982] 41484  
 Mihaljinec, M. [1972] 09238  
 Mints, G.E. [1980] 37155  
 Mints, G.E. [1980] 37417  
 Moerdijk, I. [1982] 35041  
 Moerdijk, I. [1983] 37289  
 Moerdijk, I. [1984] 42485  
 Moerdijk, I. [1984] 44304  
 Moerdijk, I. [1984] 45171  
 Mulvey, C.J. [1974] 21534  
 Osius, G. [1973] 27669  
 Osius, G. [1975] 18320  
 Osius, G. [1975] 18321  
 Penon, J. [1981] 82458  
 Pfender, M. [1982] 37036  
 Poigne, A. [1984] 47093  
 Reyes, G.E. [1974] 11131  
 Reyes, G.E. [1975] 64812  
 Reyes, G.E. [1977] 52660  
 Reyes, G.E. [1978] 56342  
 Reyes, G.E. [1979] 77765  
 Reyes, G.E. [1981] 42770  
 Rosolini, G. [1983] 37075  
 Rousseau, C. [1978] 51810  
 Rousseau, C. [1979] 82662  
 Scedrov, A. [1981] 54573  
 Scedrov, A. [1982] 37667  
 Scedrov, A. [1982] 37668  
 Scedrov, A. [1984] 37128  
 Scedrov, A. [1984] 41241  
 Schlomiuk, D.I. [1977] 21543  
 Scott, D.S. [1980] 78323  
 Seely, R.A.G. [1982] 34890  
 Seely, R.A.G. [1983] 42213  
 Shelah, S. [1976] 51434  
 Shimoda, M. [1981] 54971  
 Solov'ev, S.V. [1981] 40077  
 Soto-Andrade, J. [1984] 41485  
 Stout, L.N. [1975] 24059  
 Stout, L.N. [1976] 25859  
 Stout, L.N. [1978] 52544

- Takeuti, G. [1979] 47655  
 Uesu, T. [1981] 34476  
 Uesu, T. [1981] 47768  
 Vauzeilles, J. [1982] 43062  
 Vauzeilles, J. [1985] 42537  
 Wauw-de Kinder van de, G. [1975]  
 18421

- Wraith, G.C. [1976] 80097  
 Wraith, G.C. [1980] 53879

**H05**

- Demuth, O. [1967] 02915  
 Demuth, O. [1968] 16949  
 Demuth, O. [1968] 28592  
 Henson, C.W. [1984] 39860  
 Kreisel, G. [1969] 26648  
 Liu, Shichao [1980] 75591  
 Liu, Shichao [1984] 45423  
 Nepejvoda, N.N. [1979] 36869  
 Rousseau, C. [1978] 51810  
 Rousseau, C. [1979] 82662

**H10**

- Geiser, J.R. [1974] 04831

**H15**

- Adamowicz, Z. [1985] 39780  
 Carstens, H.G. [1977] 51961  
 Cegielski, P. [1982] 34553  
 Cuda, K. [1983] 37690  
 Dawson Jr., J.W. [1979] 53657  
 DeMillo, R.A. [1979] 72280  
 Dimitracopoulos, C. [1983] 35043  
 Dries van den, L. [1980] 54246  
 Ehrenfeucht, A. [1976] 25797  
 Geiser, J.R. [1974] 04831  
 Henson, C.W. [1984] 39860  
 Kemeny, J.G. [1958] 07053  
 Lipton, R.J. [1978] 75578  
 Manevitz, L.M. [1980] 54428  
 Misercque, D. [1981] 76440  
 Parikh, R. [1971] 10282  
 Penzin, Yu.G. [1979] 32595  
 Rabin, M.O. [1961] 10934  
 Rosser, J.B. [1950] 11558  
 Skolem, T.A. [1933] 12392  
 Skolem, T.A. [1934] 12393  
 Skolem, T.A. [1955] 27718  
 Smorynski, C.A. [1984] 41837  
 Wauw-de Kinder van de, G. [1975]  
 18421

- Wilkie, A.J. [1978] 56743  
 Wilkie, A.J. [1982] 34735  
 Zbierski, P. [1981] 34106

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## Alphabetization and alternative spellings of author names

The purpose of this index is to help the user find an author in whom he is interested. We begin by outlining both the general principles of alphabetization followed in the Author Index and the systems of transliteration used. The second half of this index addresses the problems which arise with author names for which there may be many variants in the literature. How do you find the primary form of a name used in the Bibliography? The ideal would be to have a table linking all the ‘imaginable’ versions of an author name to the unique primary form used here, but the obstacles to realizing this are obvious: one ‘imaginable’ form may correspond to two different authors and, worse, ‘imaginable’ itself depends on the linguistic background of the user. We have instead suggested some guidelines for identifying the primary form of a name from one of its variants. Finally, there is a list of alternative forms of names for those cases in which the difference between the alternative and the primary forms is particularly striking. For an author whose name has changed, each publication is listed under the name form used on that publication. Pointers to the other name form are given in the Author Index.

The Roman alphabet is as usual alphabetized in the following form:

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Within this general framework, the ordering for hyphenated and double names is illustrated by the following example:

Ab,G. ; Ab-Aa,G. ; Ab Aa,G. ; Aba,G.

Apostrophes in a name are disregarded: Mal’tsev, for example, is treated as Maltsev for alphabetical purposes.

Titular prefixes such as von, du, de la, etc. come immediately after the surname (family name), and before the given name (or initials); so, e. g., J. von Neumann appears as Neumann von, J. Similarly J. Smith, Jr., and C.F. Miller III are given as Smith Jr, J. and Miller III, C.F., respectively.

In general, initials are used for given names. The full given name(s) are used only where necessary or helpful to distinguish between authors with the same surnames and initials.

As has been mentioned in the Preface, diacritical marks have, for practical reasons, mostly been disregarded. The following lists those diacritical marks of Scandinavian and German languages that have been transliterated:

æ	to	ae,
ø	to	oe,
å	to	aa,
ä	to	ae,
ö	to	oe,
ü	to	ue.

By the way one cannot infer that every ae, oe, or ue in German comes from ä, ö, or ü; e.g. Gloede is the correct spelling, not Glöde!

Note that the hacek in languages written in the Roman alphabet (e. g. Serbo-Croatian) has not been transliterated (so, for example, Šešelja appears here as Seselja).

The transliteration used for Cyrillic is explained in another index. (For a Russian author who has emigrated to the West the primary name is usually the form used by the author in Western publications. This form does not always agree with the transliteration of the Cyrillic name.) For Chinese names, the Pinyin system of transliteration has been used as far as possible, and commas have been added to separate the surname and given names (which are not abbreviated to initials) to accord with Western style. However, for Korean names no commas are used.

Over the last hundred years there have been in general use several different systems for transliterating Cyrillic into the Roman alphabet. This has given rise to many variants for author names originally written in Cyrillic. We list here our transliteration of those Cyrillic letters for which there have been several variants and give the most common alternative transliterations. If you are searching for an author name you suspect may be of Slavic origin this list will help you to find the most likely form used here: simply replace each (block of) letter(s) on the right occurring in your version by the appropriate letters given on the left.

Our transliteration	Possible alternatives	Our transliteration	Possible alternatives
ya	ja a	z	s
yu	ju	j	i y
eh	e	kh	h
e	je ye	v	w ff
ts	c	"	y
ch	c tsh tch tsch	ks	x
sh	s sch	u	ou
zh	z		

The following is a selective listing of alternative forms of author names. It contains only those alternative forms from which the primary may not be guessed by using the guidelines above.

for	see	for	see
Abellanas Cebollero, P.	Abellanas, P.F.	Lifshits, V.	Lifschitz, V.
Adams, M.M.	McCord Adams, M.	Lo, Li Bo	Luo, Libo
Albuquerque, J.	Ribeiro de Albuquerque, J.	Loewenthal, F.	Lowenthal, F.
Angulin, D.	Angluin, D.	Macdonald, S.O.	Oates MacDonald, S.
Artalejo, R.M.	Rodriguez Artalejo, M.	Malyaukene, L.K.	Maliaukiene, L.
Asjviniekoemaar	Ashvinikumar	Markus, S.	Marcus, S.
Avraham, U.	Abraham, U.	Moenting, J.S.	Schulte-Moenting, J.
Barzdin', Ya.M.	Barzdins, J.	Moh, S.-K.	Mo, Shaokui
Benlahcen, D.	Benhalcen, D.	Moura, J.E.A.	Almeida Moura de, J.E.
Bhaskara Rao, K.P.S.	Rao, K.P.S.Bhaskara	Nardzewski, C.R.	Ryll-Nardzewski, C.
Bhaskara Rao, M.	Rao, M.Bhaskara	Nash, W.C.S.J.A.	Nash-Williams, C.St.J.A.
Bloch, A.S.	Blokh, A.Sh.	Oates-Williams, S.	Oates MacDonald, S.
Blochina, G.N.	Blokhina, G.N.	Plattner, A.	Pieczkowski, A.
Carroll, L.	Dodgson, C.L.	Plyushkevichus, R.A.	Pliuskevicius, R.
Chakan, B.	Csakany, B.	Poprougenko, G.	Popruzenko, J.
Char-Tung, R.	Lee, R.C.T.	Puzio-Pol, E.	Pol, E.
Chen, T.T.	Tang, Caozhen	R.-Salinas, B.	Rodriguez-Salinas, B.
Choodnovsky, D.V.	Chudnovsky, D.V.	Reymond, A.	Virieux-Reymond, A.
Chu, W.J.	Zhu, Wujia	Riccioli, B.V.	Veit Riccioli, B.
Cohen, E.L.	Longini Cohen, E.	Rucker, R.	Bitter-Rucker von, R.
Colburn, C.J.	Colbourn, C.J.	Russi, G.Z.	Zubieta Russi, G.
Colburn, M.J.	Colbourn, M.J.	Salinas, B.	Rodriguez-Salinas, B.
Coppola, L.G.	Gonzalez Coppola, L.	Schmir-Hay, L.	Hay, L.
Costa, A.A.	Almeida Costa, A.	Shain, B.M.	Schein, B.M.
Cresswell, M.M.	Meyerhoff Cresswell, Mary	Shaw, M.K.	Mo, Shaokui
Dao, D.H.	Dang Huu Dao	Shih-Hua, H.	Hu, Shihua
Decew, J.W.	Wagner Decew, J.	Shlyakhovaya, N.I.	Slyakhova, N.I.
Dieu, P.D.	Phan Dinh Dieu	Solans, V.	Verdu i Solans, V.
Duncan Luce, R.	Luce, R.D.	Strazdin', I.Eh.	Strazdins, I.E.
Dyson, V.H.	Huber-Dyson, V.	Themaat, W.A.v.	Verloren van Themaat, W.A.
Fan Din' Zieu'	Phan Dinh Dieu	Toa van, T.	Tran van Toan
Foellesdal, D.	Follesdal, D.	Toth, P.	Ecsedi-Toth, P.
Frejvald, R.V.	Freivalds, R.	Tsao-Chen, T.	Tang, Caozhen
Gegalkine, I.	Zhegalkin, I.I.	Tseng, Y.X.	Zheng, Yuxin
Gibbelato Valabrega, E.	Valabrega, E.G.	Tsirulis, Ya.P.	Cirulis, J.
Greendlinger, M.	Grindlinger, M.	Tulcea, C.	Ionescu Tulcea, C.
Hoo, T.-H.	Hu, Shihua	Turksen, I.B.	Tuerksen, I.B.
Hsu, L.C.	Xu, Lizhi	Tzeng, O.C.	Tseng, O.C.
Hsueh, Yuang Cheh	Xueh, Yuangche	Vinter, H.	Winter, H.
Jutting, L.S.B.	Benthem Jutting van, L.S.	Williams, C.St.J.A.N.	Nash-Williams, C.St.J.A.
Kao, H.	Gao, Hengshan	Wou, Shou Zhi	Wu, Shouzhi
Kapinska, E.	Capinska, E.	Wu, K.J.	Johnson Wu, K.
Keldych, L.	Keldysh, L.V.	Yukna, S.P.	Jukna, S.
Khunyadvari, L.	Hunyadvari, L.	Yuting, S.	Shen, Y.-T.
Kister, J.E.	Bridge, J.	Zhay, B.	Zhang, Bosheng
Klein, F.	Klein-Barmen, F.	Zhen, Z.	Zhao, Zhen
Kroonenberg, A.V.	Verbeek-Kroonenberg, A.	Zilli, M.V.	Venturini Zilli, M.
Kurepa, G.	Kurepa, D.	Zou, Juan	Zhou, Juan
Kurkova-Pohlova, V.	Pohlova, V.		
Kwei, M.S.	Mo, Shaokui		

## International vehicle codes

The following abbreviations are used as *codes for the country* in which a conference took place or in which a publishing company is located. (These abbreviations are those used internationally for vehicles.)

Code	Country	Code	Country	Code	Country
A	Austria	GBZ	Gibraltar	RCH	Chile
ADN	People's Dem. Rep. Yemen (South Yemen)	GCA	Guatemala	RFC	Cameroon
AFG	Afghanistan	GH	Ghana	RH	Haiti
AL	Albania	GR	Greece	RI	Indonesia
AND	Andorra	GUY	Guyana	RIM	Mauritania
AUS	Australia	H	Hungary	RL	Lebanon
B	Belgium	HK	Hong Kong	RM	Madagascar
BD	Bangladesh	HV	Upper Volta	RMM	Mali
BDS	Barbados	I	Italy	RN	Niger
BG	Bulgaria	IL	Israel	RO	Romania
BH	Belize	IND	India	ROK	South Korea
BOL	Bolivia	IR	Iran	ROU	Uruguay
BR	Brazil	IRL	Ireland (Eire)	RP	Philippines
BRN	Bahrain	IRQ	Iraq	RPB	Benin
BRU	Brunei	IS	Iceland	RSM	San Marino
BS	Bahamas	J	Japan	RWA	Ruanda
BU	Burundi	JA	Jamaica	S	Sweden
BUR	Burma	JOR	Jordan	SA	Saudi Arabia
C	Cuba	K	Cambodia	SCV	Vatican
CDN	Canada	KWT	Kuwait	SD	Swaziland
CH	Switzerland	L	Luxembourg	SF	Finland
CI	Ivory Coast	LAO	Laos	SGP	Singapore
CL	Sri Lanka	LAR	Libya	SME	Surinam
CO	Columbia	LB	Liberia	SN	Senegal
CR	Costa Rica	LS	Lesotho	SP	Somalia
CS	Czechoslovakia	M	Malta	STL	Windward Islands St. Lucia
CY	Cyprus	MA	Morocco	SU	Soviet Union
D	Fed. Rep. Germany (West Germany)	MAL	Malaysia	SY	Seychelles
DDR	German Dem. Rep. (East Germany)	MC	Monaco	SYR	Syria
DK	Denmark	MEX	Mexico	TG	Togo
DOM	Dominican Republic	MS	Mauritius	THA	Thailand
DZ	Algeria	MW	Malawi	TJ	People's Rep. China
E	Spain	N	Norway	TN	Tunisia
EAK	Kenya	NA	Netherlands Antilles	TR	Turkey
EAT	Tanzania	NIC	Nicaragua	TT	Trinidad and Tobago
EAU	Uganda	NL	Netherlands	USA	United States of America
EC	Ecuador	NZ	New Zealand	VN	Vietnam
ES	El Salvador	P	Portugal	WAG	Gambia
ET	Egypt	PA	Panama	WAL	Sierra Leone
ETH	Ethiopia	PAK	Pakistan	WAN	Nigeria
F	France	PE	Peru	WD	Dominica
FJL	Fiji Islands	PL	Poland	WG	Grenada
FL	Liechtenstein	PNG	Papua-New Guinea	WS	Samoa
FR	Faeroes	PRI	Puerto Rico	WV	Windward Islands St. Vincent
GB	Great Britain and Northern Ireland	PRK	People's Rep. Korea (North Korea)	Y	Arabic Rep. Yemen (North Yemen)
GBA	Alderney	PY	Paraguay	YU	Yugoslavia
GBG	Guernsey	Q	Qatar	YV	Venezuela
GBJ	Jersey	RA	Argentina	Z	Zambia
GBM	Isle of Man	RB	Botswana	ZA	South Africa
		RC	Taiwan	ZRE	Zaire
		RCA	Central African Republic	ZW	Zimbabwe
		RCB	Congo		

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## Transliteration scheme for Cyrillic

Author names and titles originally in *Cyrillic* have been transliterated into the Roman alphabet using the following scheme. (It is the same as the scheme currently used by Zbl and differs only slightly from that used by MR.)

<b>Cyrillic</b>	<b>Roman</b>
а А	a
б Б	b
в В	v
г Г	g
д Д	d
е(ë) Е(Ё)	e
ж Ж	zh
з З	z
и И	i
й Й	j
к К	k

<b>Cyrillic</b>	<b>Roman</b>
л Л	l
м М	m
н Н	n
о О	o
п П	p
р Р	r
с С	s
т Т	t
у У	u
ф Ф	f
х Х	kh

<b>Cyrillic</b>	<b>Roman</b>
ц Ц	ts
ч Ч	ch
ш Ш	sh
щ Щ	shch
ъ ъ	"
ы ы	y
ь ь	'
э Э	eh
ю Ю	yu
я Я	ya