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Jaśkowski, Stanisław

★Elementy logiki matematycznej i metodologii nauk ścisłych. (Polish. English summary) [Elements of mathematical logic and the methodology of the deductive sciences]

With an introduction and scientific editing by Andrzej Indrzejczak.

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The book under review is a reprint of the Polish textbook with the same name published in 1947 [script from lectures, Toruń, 1947; per bibliography]. It is devoted to the presentation of the system of natural deduction introduced by the author in his doctoral dissertation [*Reguły wnioskowania za pomocą założeń* (Polish) [*Inference rules using assumptions*], Ph.D. dissertation, Univ. Warsaw, 1932]. Although Jaśkowski invented this method, natural deduction is usually connected with other logicians.

The book is perhaps the first logic textbook where natural deduction is uniformly applied as a method for presenting logic and metalogical results. Only classical logic is discussed in these lecture notes.

In the reprint the original structure of Jaśkowski's text is preserved. Some orthographical errors are corrected. Since Jaśkowski used Łukasiewicz's notation, the editor supplemented the text with translations of formulas into usual notation (the translations are given in footnotes). This makes the text more readable for contemporary readers.

The editor has also added an introduction. It contains information about the life and work of Jaśkowski, about natural deduction and the history of this method, as well as explanations of the principles used in the preparation of the reprint. The book will interest logicians and historians of logic as well as professors and students of logic—in fact, Jaśkowski's textbook is of high didactic quality. *Roman Murawski*