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Titolo	Alfred Tarski [[electronic resource] ] : Early Work in Poland—Geometry and Teaching / / edited by Andrew McFarland, Joanna McFarland, James T. Smith
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ISBN	1-4939-1474-X
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (511 p.)
Disciplina	160 370
Soggetti	Mathematical logic Mathematics—Study and teaching Mathematics History Geometry Mathematical Logic and Foundations Mathematics Education History of Mathematical Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	1 Tarski's first paper -- 1.1 Introduction -- 1.2 Item 1 below (nearing completion) -- 2 Papers on equide composibility of polygons -- 2.1 Introduction -- 2.2 Item 2 below (nearing completion) -- 2.3 Item 6 below (old translation, needs redoing) -- 2.4 Item 8 below (old translation, needs redoing) -- 2.5 Exercise 31pc in item 11g below -- 3 Papers related to secondary teaching -- 3.1 Introduction -- 3.2 Item 4 below (meeting report) -- 3.3 Item 7 below (on circles, nearing completion) -- 3.4 Extract from Item 9 below (textbook) -- 3.5 Remainder of item 11 below (exercises) -- 4 Assorted contributions -- 4.1 Introduction -- 4.2 Item 3 below (on insurance) -- 4.3 Item 5 below (abstract on truth) -- 4.4 Item 10 below (Lukasiewicz abstract on definitions) -- 4.5 Item 12 below (contributions to discussions) -- 5 Bibliography -- 5.1 Introduction -- 5.2 List of Tarski works published since the Collected Works -- 5.3 List of biographical books and articles

-- 5.4 List of summaries of Tarski's scientific work -- 5.5 References for the present book -- Illustrations -- Young Tarski (frontispiece) -- From the first paper -- From the 1924 paper -- Something from one of the teachers' journals -- Index.

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## Sommario/riassunto

Alfred Tarski (1901–1983) was a renowned Polish/American mathematician, a giant of the twentieth century, who helped establish the foundations of geometry, set theory, model theory, algebraic logic, and universal algebra. Throughout his career, he taught mathematics and logic at universities and sometimes in secondary schools. Many of his writings before 1939 were in Polish and remained inaccessible to most mathematicians and historians until now. This self-contained book focuses on Tarski's early contributions to geometry and mathematics education, including the famous Banach–Tarski paradoxical decomposition of a sphere as well as high school mathematical topics and pedagogy. These themes are significant since Tarski's later research on geometry and its foundations stemmed in part from his early employment as a high school mathematics teacher and teacher-trainer. The book contains careful translations and much newly uncovered social background of these works written during Tarski's years in Poland. Alfred Tarski: Early Work in Poland—Geometry and Teaching serves the mathematical, educational, philosophical, and historical communities by publishing Tarski's early writings in a broadly accessible form, providing background from archival work in Poland, and updating Tarski's bibliography.

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