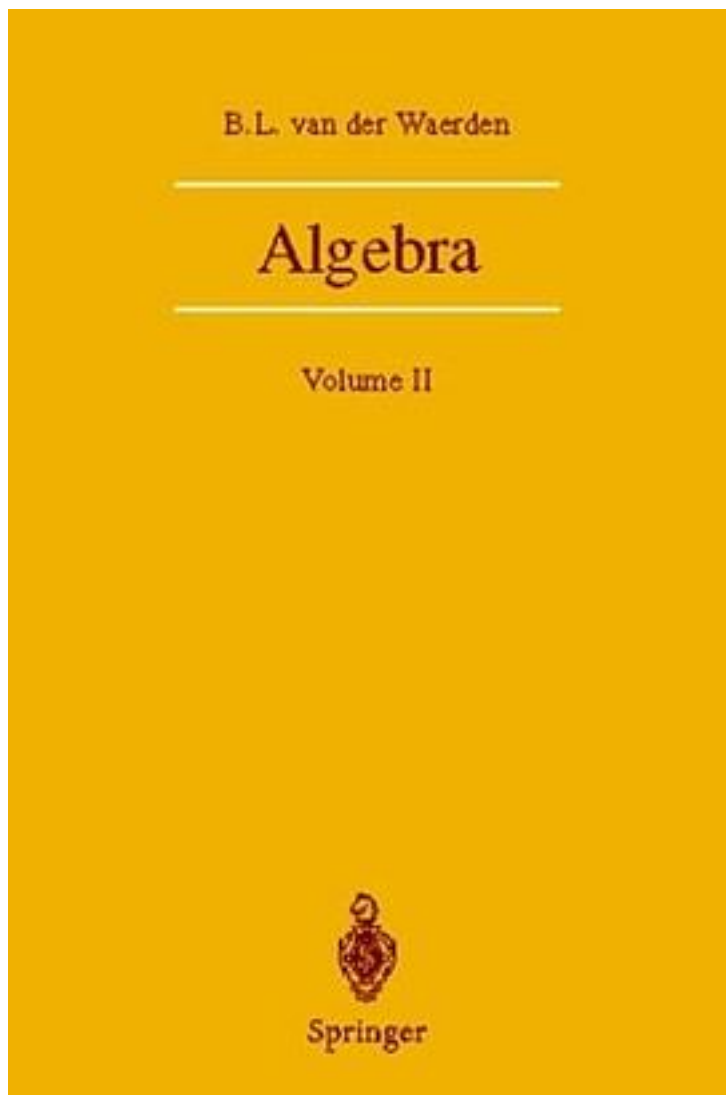


Algebra, Volume II



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著者:B.L. van der Waerden

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This beautiful text transformed the graduate teaching of algebra in Europe and the United States. It clearly and succinctly formulated the conceptual and structural insights which Noether had expressed so forcefully and combined it with the elegance and understanding with which Artin had lectured. This second volume of the English translation of B.L. van der Waerden's text *Algebra* is the first softcover printing of the original translation.

作者介绍:

Bartel Leendert van der Waerden (February 2, 1903, Amsterdam, Netherlands – January 12, 1996, Zürich, Switzerland) was a Dutch mathematician.

Van der Waerden learned advanced mathematics at the University of Amsterdam and the University of Göttingen, from 1919 until 1926. He was much influenced by Emmy Noether at Göttingen. Amsterdam awarded him a Ph.D. for a thesis on algebraic geometry, supervised by Hendrick de Vries. Göttingen awarded him the habilitation in 1928.

In his 27th year, Van der Waerden published his *Algebra*, an influential two-volume treatise on abstract algebra, still cited, and perhaps the first treatise to treat the subject as a comprehensive whole. This work systematized an ample body of research by Emmy Noether, David Hilbert, Richard Dedekind, and Emil Artin. In the following year, 1931, he was appointed professor at the University of Leipzig.

The Third Reich made life difficult for Van der Waerden as a foreigner teaching in Germany, but he refused to give up his Dutch nationality. He filled the chair in mathematics at the University of Amsterdam, 1948–1951, then moved to the University of Zurich, where he spent the rest of his career, supervising more than 40 Ph.D. students.

Van der Waerden is mainly remembered for his work on abstract algebra. He also wrote on algebraic geometry, topology, number theory, geometry, combinatorics, analysis, probability and statistics, and quantum mechanics (he and Heisenberg had been colleagues at Leipzig). In his later years, he turned to the history of mathematics and science. His historical writings include *Ontwakende wetenschap* (1950), which was translated into English as *Science Awakening* (1954), *Geometry and Algebra in Ancient Civilizations* (1983), and *A History of Algebra* (1985).

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