## Selected Works of A.I. Shirshov

## SELECTED WORKS OF A.I. SHIRSHOV Leonid A. Bokut Efim Zelmanov Ivan Shestakov Victor Latyshev Editors Translated by M. Bremner and M. Kotchetov

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装帧:

This book presents translations of selected works of the famous Russian

mathematician A.I. Shirshov (1921a "1981). He was a pioneer in several directions of associative, Lie, Jordan, and alternative algebras, as well as groups and projective planes. His name is associated with notions and results on GrAbner-Shirshov bases, the Composition-Diamond Lemma, the Shirshov-Witt Theorem, the Lazard-Shirshov elimination process, Shirshova (TM)s Height Theorem, Lyndon-Shirshov words, Hall-Shirshov bases, Shirshova (TM)s theorem on the Kurosh problem for alternative and Jordan algebras, and Shirshova (TM)s theorem on the speciality of Jordan algebras with two generators. Shirshova (TM)s ideas were used by his student Efim Zelmanov for the solution of the Restricted Burnside Problem. Several famous algebraists provide in this book detailed comments on the impact of Shirshova (TM)s work on current algebra.

作者介绍:
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