

THE ROCKY MOUNTAIN JOURNAL OF MATHEMATICS

Volume 14

Fall 1984

Number 4

CONTENTS

Explanation, appreciation, and remembrance By D.W. DUBOIS	729
Witt rings and K-theory By G.W. BRUMFIEL	733
An introduction to real algebra By T.Y. LAM	767
Research announcement on extending Nash functions off singular curves By GUSTAVE EFROYMSON	815
Real fields with small Galois groups By ANTONIO J. ENGLER AND T.M. VISWANATHAN	817
Ordered fields satisfying Rolle's Theorem By RON BROWN, THOMAS C. CRAVEN AND M.J. PELLING	819
Survey of the topology of real algebraic sets By H. KING	821
Semi-integral extensions and proper morphisms By MA. EMELIA ALONSO	831
Some results on real algebraic cycles By A. TOGNOLI	833
Hilbert's problem 16(B) By J.P. FRANCOISE	845
A polynomial-time algorithm for the topological type of a real algebraic curve By DENNIS S ARNON AND SCOTT MCCALLUM	847
Havansky Theorem and complexity theory By JEAN-JACQUES RISLER	851
Orders on real algebraic sets and analytic germs By T. RECIO	855
Real places in function fields By CARLOS ANDRADAS	859
Algebraicity versus analyticity By JACEK BOCHNAK	863
Extended Artin-Schrier theory of fields By EBERHARD BECKER	881