

THE ROCKY MOUNTAIN  
JOURNAL OF MATHEMATICS

Volume 3

Summer 1973

Number 3

---

**CONTENTS**

Obstructions to embedding and isotopy in the metastable range By LAWRENCE L. LARMORE .....	355
A transformation formula for double hypergeometric series By R.P. SINGAL .....	377
Theory of Fredholm operators and vector bundles relative to a von Neumann algebra By MANFRED BREUER .....	383
General radical theory in rings By W.G. LEAVITT .....	431
On an integral inequality for divergence-free functions By P.S. CROOKE .....	441
Existence theorems for boundary value problems of $n$ th order ordinary differential equations By GENE A. KLAASEN .....	457
More on complements of minimal spanning surfaces By R.J. DAIGLE .....	473
Poincaré duality and Postnikov factors By J.W. VICK .....	483
Some $C^*$ -algebras with outer derivations By GEORGE A. ELLIOTT .....	501
Oscillation properties of third order differential equations By GARY D. JONES .....	507