# Missouri Journal of Mathematical Sciences

Volume 9 Number 2 Spring 1997 (ISSN 0899-6180)

# **Contents**

#### **EDITORIAL**

70 Editorial, by Terry Goodman.

#### ARTICLES

- 72 Residues Part III, Congruences to General Composite Moduli, by Joseph B. Dence and Thomas P. Dence.
- 79 A New Generalization of Reed-Muller Codes, by Todd D. Vance.
- 83 Note on a Pythagorean Ring, by Aleksander Grytczuk.
- 90 Products and Sums With Applications, by Badih Ghusayni.
- 95 A Characterization of Ultrafilters in Complementary Topologies, by Rahim G. Karimpour.
- 102 A Relationship Between Chords and the Radius of a Circle, by Russell Euler.

## PROBLEMS

105 Problems 105–108.

#### SOLUTIONS

107 Solutions 93–96.

### OTHER INFORMATION

123 Announcements