

**Missouri Journal of Mathematical Sciences**  
Volume 11 Number 2 Spring 1999  
(ISSN 0899-6180)

---

## Contents

### EDITORIAL

72 Editorial, *by Terry Goodman.*

### ARTICLES

73 Using Graphs to Analyze Sports Drafts, *by C. Bryan Dawson.*

80 Euler's Formula and De Moivre's Formula for Quaternions, *by Eungchun Cho.*

84 On the Length of a Circular Arc, *by Richard E. Bayne, James E. Joseph, and Myung H. Kwack.*

87 Linearization of Trigonometric Polynomials and Integrals, *by Thierry Dana-Picard and Daniel Cohen.*

93 Designing Payoffs for Some Probabilistic Gambling Games, *by David K. Neal and Randall J. Swift.*

103 The Arithmetic-Mean - Geometric-Mean Inequality Derived from Closed Polynomial Functions, *by James E. Joseph and Myung H. Kwack.*

107 Remark on a General Arithmetic Fourier Transform, *by Krystyna Grytczuk.*

113 From Twin-Peaks to Multi-peaks: An Application of Jensen's Inequality, *by Xin-Min Zhang.*

121 Blackhole Analysis, *by David Choate.*

### OTHER INFORMATION

136 Announcements