

Publications

Graph Theory and Combinatorics

- [1] Bipartite dominating sets in hypercubes, *Ars Combinatoria*, **77** (2005)
- [2] Minimum cutsets in hypercubes, *Disc. Math.*, **289/1-3** (2004)
- [3] A codeword proof of the Binomial Theorem, *College Math. J.*, March 2003.
- [4] Semiregular bipartite graphs and an extension of the Marriage Lemma, *Ars Combinatoria*, **66** (2003)
- [5] A set intersection theorem and an application to a bipartite Ramsey theorem, *Disc. Math.* **242** (2002)
- [6] Regular subgraphs of hypercubes, *Ars Combinatoria* **52** (1999)
- [7] Congestion-free routing of linear complement permutations, *SIAM J. Disc. Math.* **11** No. 3 (1998)
- [8] Congestion-free optimal routings of hypercube automorphisms, *SIAM J. Disc. Math.* **10** No. 2(1997)
- [9] Fundamental subsets of edges of hypercubes, *Ars Combinatoria* **46** (1997).
- [10] Routing permutations on a graph, *Networks* **23** (1993)
- [11] Symmetric vertex partitions of hypercubes by isometric trees, *J. Combinatorial Theory* , Ser. B **54**, No. 2 (1992)
- [12] Symmetric edge decompositions of hypercubes, *Graphs and Combinatorics* **7** (1991)
- [13] A new method of generating Hamiltonian cycles on the cube, *Discrete Math.* **85** (1990)
- [14] Maximal independent sets in graphs with vertex covers, *Congressus Numerantium* **39** (1983)

Algebra

- [1] Bounds on Betti numbers, Canadian J. Math. **34**, No. 3 (1982)
- [2] Sequences of Betti numbers, J. Algebra **66**, No. 1 (1980)
- [3] Generic 2 by 2 matrices and periodic resolutions, J. Algebra **63**, No. 2 (1980)
- [4] Increasing sequences of Betti numbers, (with E. Gover), Pacific J. Math. **87**, No. 1 (1980)
- [5] Constructing new R-sequences, Pacific J. Math. **71**, No. 1 (1977)
- [6] Rings with infinitely many indecomposable periodic Gorenstein modules, J. Algebra **49**, No. 2 (1977)
- [7] The center of an order with finite global dimension, Trans. Amer. Math. Soc. **210** (1975)
- [8] Orders with finite global dimension, Pacific J. Math. **50**, No. 2 (1974)
- [9] Injective dimension of quaternion orders, Proc. Amer. Math. Soc. **38**, No. 3 (1973)
- [10] Splitting fields and separability, Proc. Amer. Math. Soc. **38**, No. 3 (1973)
- [11] Betti numbers and reflexive modules, Proc. Park City Sympos. on Ring Theory. Academic Press (1972)
- [12] On the vanishing of Ext, Proc. Amer. Math. Soc. **27**, No. 3 (1971)
- [13] Free exterior powers, J. Algebra **19**, No. 1 (1971)
- [14] Maximal orders over regular local rings, Trans. Amer. Math. Soc. **155** (1971)
- [15] Maximal orders over regular local rings of dimension two, Trans. Amer. Math. Soc., **142** (1969)

Miscellaneous

- [1] (with N. Krikorian) Cubic splines from Simpson's Rule, College Math. Journal **27**, No. 2 (1996).