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PUBLICATIONS

[19] *More Results on r -inflated Graphs: Arboricity, Thickness, Chromatic Number, and Fractional Chromatic Number*, with Michael O. Albertson and Ellen Gethner, submitted July 2010.

[18] *Geometric Graph Homomorphisms*, with Sally Cockburn, submitted August 2009.

[17] *The Thickness and Chromatic Number of r -Inflated Graphs*, with Michael O. Albertson and Ellen Gethner, Discrete Math, forthcoming.

[16] *Determining set, resolving sets, and the exchange property*, Graphs and Combinatorics, 25 (2009), no. 6, 789-806.

[15] *The determining number of a Cartesian product*, Journal of Graph Theory, (61) 2009, 77–87.

[14] *Small label classes in 2-distinguishing labelings*, Ars Mathematica Contemporanea, 1 (2008), 154–164.

[13] *Automorphisms and distinguishing numbers of geometric cliques*, with Michael O. Albertson, Discrete and Computational Geometry, 39 (2008), 778–785.

[12] *Thickness-two graphs part one: new nine-critical graphs, permuted layer graphs, and Catlins graphs*, with Ellen Gethner and Thom Sulanke, Journal of Graph Theory, 57 (2008), 198–214.

[11] *Structure and properties of locally outerplanar graphs*, Journal of Combinatorial Mathematics and Combinatorial Computing, 60 (2007), 169-180.

[10] *Using determining sets to distinguish Kneser graphs*, with Michael O. Albertson, Electronic Journal of Combinatorics, 14(1):Research Paper 20 (electronic), 2007.

[9] *Identifying graph automorphisms using determining sets*, Electronic Journal of Combinatorics, 13(1):Research Paper 78 (electronic), 2006.

- [8] *Distinguishing geometric graphs*, with Michael Albertson, Journal of Graph Theory, 53 (2006), 135–150.
- [7] *Isometrically embedded graphs*, Ars Combinatoria, 77 (2005), 97-108.
- [6] *Convex geometric graphs with no short self-intersecting paths*, Congressus Numerantium, 160 (2003), 205 - 214.
- [5] *The isometry dimension and orbit number of a finite group*, with Michael Albertson, Congressus Numerantium, 150 (2001), 79 - 85.
- [4] *Realizing finite groups in Euclidean space*, with Michael Albertson, Journal of Algebra, 225 (2000), 947 - 956.
- [3] *When are centralizers of finite subgroups of $Out(F_n)$ finite?*, Contemporary Mathematics, 250, American Mathematical Society, Providence, RI, (1999), 37 - 58.
- [2] *Wedge theory/compound matrices: properties and applications*, with Ronald F. Gleeson and Robert M. Williams, Office of Naval Research Report No: NAWCADPAX-96-220-TR, 2 August 1996.
- [1] *Lower bounds for constant degree independent sets*, with Michael Albertson, Discrete Mathematics, 127 (1994), no. 1 - 3, 15 - 21.