PUBLICATION LIST

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My research interests are in discrete mathematics, which includes combinatorics, graph theory, and theoretical computer science. More information on these papers can be found in my research statement.

PUBLICATIONS AND PREPRINTS

[1] Pat Devlin and Jeff Kahn. Perfect fractional matchings for hypergraphs in the k-out model. 2016+. In preparation.

[2] Huseyin Acan, Pat Devlin, and Jeff Kahn. An entropy conjecture of Leighton and Moitra. 2016+. In preparation.

[3] Ross Berkowitz and Pat Devlin. A stability result using the matrix norm to bound the permanent. 2016+. Submitted. Preprint, arXiv:1606.07474.

[4] Pat Devlin and Jeff Kahn. On stability in the Erdős-Ko-Rado Theorem. *SIAM J. Discrete Math.*, 30(2):1283–1289, 2015.

[5] Pat Devlin and Edinah K Gnang. Primes appearing in prime tower factorization. 2014. arXiv:1204.5251.

[6] Pat Devlin and Howard J Nuer. A strange family of Calabi-Yau 3-folds. *String-Math 2014*, 93:245, 2014.

[7] Pat Devlin and Edinah K Gnang. Some integer formula encodings and related algorithms. *Advances in Applied Mathematics*, 51(4):536–541, 2013.

[8] Pat Devlin. Integer subsets with high volume and low perimeter. *Integers*, 12, 2012.