

**PUBLICATIONS OF CURRENT AND RECENT PAST GRADUATE
STUDENTS IN NUMBER THEORY**

R. Astudillo, *On a class of Thue-Morse type sequences*, J. Integer Sequences **6** (2003), Article 03.4.2, 11pp.

J. Atkinson, *Divisors of Modular Forms on $\Gamma_0(4)$* , J. Number Thy., to appear.

M. Beck, B. C. Berndt, **O-Y. Chan**, and A. Zaharescu, *Determinations of analogues of Gauss sums and other trigonometric sums*, Internat. J. Number Theory, **1** (2005), no. 3, 333–356.

B. C. Berndt, H. H. Chan, **S. H. Chan**, and **W.-C. Liaw**, *Ramanujan and cranks*, in *Theory and Applications of Special Functions. A Volume Dedicated to Mizan Rahman*, M. E. H. Ismail and E. Koelink, eds., Kluwer, Dordrecht, 2005, pp. 77–98.

B. C. Berndt, H. H. Chan, **S. H. Chan**, and **W.-C. Liaw**, *Cranks and dissections in Ramanujan's lost notebook*, J. Comb. Thy. (A). **109** (2005), 91–120.

B. C. Berndt, **S. H. Chan**, Z.-G. Liu, and **H. Yesilyurt**, *A new identity for $(q; q)_\infty^{10}$ with an application to Ramanujan's partition congruence modulo 11*, Quart. J. Math. (Oxford) **55** (2004), 13–30.

B. C. Berndt, **S. H. Chan**, **B. P. Yeap**, and A. J. Yee, *A reciprocity theorem for certain q -series found in Ramanujan's lost notebook*, The Ramanujan J., to appear.

B. C. Berndt, G. Choi, Y. -S. Choi, **H. Hahn**, A. J. Yee, **B. P. Yeap**, **H. Yesilyurt**, and **J. Yi**, *Ramanujan's Forty Identities for the Rogers–Ramanujan Functions*, Memoir, Amer. Math. Soc., to appear.

H. H. Chan, **S. H. Chan**, and Z.-G. Liu, *Domb's numbers and Ramanujan-Sato type series for $1/\pi$* , Adv. in Math. **186** (2004), 396–410.

O-Y. Chan, *Some asymptotics for cranks*, Acta Arith. **120** (2005), no. 2, 107–143.

O-Y. Chan, *Weighted trigonometric sums over a half-period*, Adv. Appl. Math., to appear.

O-Y. Chan, G. Choi, and A. Zaharescu, *A multidimensional version of a result of Davenport–Erdős*, J. Integer Sequences **6** (2003), Article 03.2.6.

O-Y. Chan and J. Smoak, *More designer decimals: the integers and their geometric extensions*, College Math. J., to appear.

S. H. Chan, *An elementary proof of Jacobi's six squares theorem*, American Mathematical Monthly **111** (2004), no. 9, 806–811.

S. H. Chan, *Dissections of quotients of theta-functions*, Bull. Australian Math. Soc. **69** (2004), 19–24.

S. H. Chan, *A short proof of Ramanujan's famous ${}_1\psi_1$ summation formula*, J. Approx. Theory **132** (2005), no.1, 149–153.

S. H. Chan, *Generalized Lambert series identities*, Proc. London Math. Soc. **91** (2005), no.3, 598–622.

S. H. Chan, *On Sears' general transformation formula for basic hypergeometric series*, submitted.

S. H. Chan and **H. Yesilyurt**, *The periodicity of the signs of the coefficients of certain infinite products*, Pacific J. Math., to appear.

Chien-Yu Chen and Iwan Duursma, *Geometric Reed-Solomon codes of length 64 and 65 over F_8* , IEEE Trans. on Inform. Theory **49**, May (2003), 1351–1353,

Iwan Duursma and **Negar Kiyavash**, *The Vector Decomposition Problem for Elliptic and Hyperelliptic Curves*, J. Ramanujan Math. Soc. **20** (2005), no. 1, 59–76

T. Kilbourn, *Differential automorphisms for modular forms on $\Gamma_0(4)$* , The Ramanujan J., to appear. REGS

T. Kilbourn, *An extension of the Apéry number supercongruence*, submitted for publication.

B. Lundell and **J. McCullough**, *A Generalized Floor Bound for the Minimum Distance of Geometric Goppa Codes and its Application to Two-Point Codes*, Journal of Pure and Applied Algebra. In Press, Available online 22 November 2005. REG/REU

Nadya Markin, *Realization of Nilpotent Groups with Restricted Ramification* (submitted for publication), 10 pages.

Stephanie Treneer, *Congruences for the coefficients of weakly holomorphic modular forms*, Proc. London Math. Soc., to appear.

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