

# Italo J. Dejter

## List of Publications

Including citations in Mathematical Reviews (**MR**) and their 2000 Mathematics Subject Classification.

- Publications (in Time-Reversed Order):

- 62 Star graphs: threaded distance trees and E-sets. (English summary) *J. Combin. Math. Combin. Comput.* **77** (2011), 316. **MR2809629**; 05C69 (05C12).
- 61 (with E. J. Billington, D. G. Hoffman and C. C. Lindner) *Almost resolvable maximum packings of complete graphs with 4-cycles*, *Graphs Combin.*, **27** (2011), no. 2, 161-170, **MR2771151**; 05B30 (05C38 05C70).
- 60 *On a  $\vec{C}$ -ultrahomogeneous oriented graph*, *Discrete Mathematics*, **310** (2010), 1389-1391, **MR2592493**; (2010m:05056); 05B25 (05C25).
- 59 (with A. A. Delgado) *Perfect domination in rectangular grid graphs*, *J. Combin. Math. Combin. Comput.*, 70(2009), 177–196, **MR2542674**; 05C69.
- 58 *Quasiperfect domination in triangular lattices*, *Discussiones Mathematicae Graph Theory*, **29**(2009), 179–198, **MR2548794**; 05C69 (68R10).
- 57 *On a  $\{K_4, K_{2,2,2}\}$ -ultrahomogeneous graph*, *Austral. Jour. Combin.*, **44**(2009), 63–75, **MR2526999**; 05C75.
- 56 *SQS-graphs of extended 1-perfect codes*, *Congressus Numerantium*, **193**(2008), 175–194, **MR2487725**; 94B05, (05C90).
- 55 *Perfect domination in regular grid graphs*, *Austral. Jour. Combin.*, **42**(2008), 99–114, **MR2445802**; 05C69.
- 54 (with C. C. Lindner, C. A. Rodger and M. Meszka) *Almost resolvable 4-cycle systems*, *J. Combin. Math. Combin. Comput.*, **63**(2007), 173–182, **MR2363921** (2008j:05051) ; 05C05; (Corrigendum-Addendum: *J. Combin. Math. Combin. Comput.* 66 (2008), 297–298; **MR2436211** (2009d:05029); 05B05).
- 53 (with A. A. Delgado) *Classes of Hamilton Cycles in the 5-Cube*, *J. Combin. Math. Combin. Comput.*, **61**(2007), 81–95, **MR2322204**; 05C45.
- 52 (with P. Horak) *Completing Latin squares: critical sets, II*, *Jour. Combin. Des.*, **15**(2007), 177–83, **MR2280765** (2007g:05027); 05B14.
- 51 (with A. A. Delgado) *STS-Graphs of Perfect Codes Mod Kernel*, *Discrete Mathematics*, **253**(2005), 31–47, **MR2139124** (2006b:94051); 94B05, (05B05,05B07).

- 50 (with O. Serra) *Efficient Dominating Sets in Cayley Graphs*, Discrete Appl. Math. **129**(2003), no. 2-3, 319–328, **MR1997355** (2004e:05137); 05C69 (05C25).
- 49 *Equitable Factorizations of Hamming Shells*, Discrete Math. **261**(2003), 177–178, **MR1961745** (2004b:94085); 94B05 (94B25).
- 48 *STS-Graphical Invariant for Perfect Codes*, J. Combin. Math. Combin. Comput., **36**(2001), 65–82, **MR1821626** (2002d:94063a), **MR1853021** (2002d:94063b); 94B25 (05B07).
- 47 (with K. T. Phelps), *Ternary Hamming and Binary Perfect Covering Codes*, in: A. Barg and S. Litsyn, eds., Codes and Association Schemes, DIMACS Ser. Discrete Math. Theoret. Comput. Sci. 56, Amer. Math. Soc., Providence, RI, 111–113, **MR1816391** (2002a:94026); 94B05 (05C69).
- 46 *Excluded Minors for [2, 3]-Graph Planarity*, J. Combin. Math. Combin. Comput., **35**(2000), 117–126, bf **MR1806992** (2001j:05112); 05C83.
- 45 (with P. A. Adams, E. J. Billington and C. C. Lindner) *The Number of 4-Cycles in 2-Factorizations of  $K_{2n}$  minus a 1-factor*, Discrete Math. 220 (2000), no.1-3, 1–11, **MR1760292** (2001c:05110); 05C70 (05C38).
- 44 *Twisted Perfect Dominating Sets in  $2^r$ -Cubes*, Proceedings of the Eighth International Quadriennial Conference on Graph Theory, Combin., Algor. and Appl., New Issues Press, 1998, eds. Y. Alavi et al., vol. I, 281–290, **MR1985061**; 05C69.
- 43 (with C. Lindner and A. Rosa) *The Number of 4-Cycles in 2-Factorizations of  $K_n$* , J. Combin. Math. Combin. Comput., **28**(1998), 101–112, **MR1668510** (2000d:05094); 05C70 (05C38).
- 42 (with D. Pike and C. Rodger) *The Directed Almost Resolvable Hamilton-Waterloo Problem*, Australas. J. Combin., **18**(1998), 201–208, **MR1658345** (99f:05044); 05C20 (05C38).
- 41 (with H. Hevia and O. Serra) *Hidden Cayley Graph Structures*, Discrete Mathematics, **182**(1998), 69-83, **MR1603724** (98m:05082); 05C25 (05C10 20B25).
- 40 (with F. Franek, E. Mendelsohn and A. Rosa), *Triangles in 2-Factorizations*, J. Graph Theory, **26**(1997) 83-94, **MR 98e:05086**.
- 39 (with F. Franek and A. Rosa), *A Completion Conjecture for Kirkman Triple Systems*, Utilitas Mathematica, **50**(1996) 97–102, **MR1469355** (98e:05086); 05C70.
- 38 *Symmetry of Factors of the 7-Cube Hamming Shell*, J. Combinatorial Designs, **5**(1997) 301–309, **MR1451287** (98h:05048) ; 05B30 (05C70 94C15).
- 37 *TMC-Tetrahedral Types MOD  $2k + 1$  and Their Structure Graphs*, Graphs and Combin., **12**(1996) 163–178, **MR1391092** (97c:05075); 05C25.
- 36 (with J. Borges) *On Perfect Dominating Sets in Hypercubes and Their Complements*, J. Combin. Math. Combin. Comput., **20**(1996) 161–173, **MR1376707** (97a:05166); 05C70.

- 35 (with J. Pujol), *Perfect Domination and Symmetry in Hypercubes*, *Congressus Numerantium*, **111**(1995) 18–32, **MR1369337** (96h:05150); 05C70.
- 34 (with R. Giudici) *On Unitary Cayley Graphs*, *J. Combin. Math. Combin. Comput.*, **18**(1995) 121–124, **MR1334639** (96a:05069); 05C25.
- 33 *Network Models Encoded by Weighted Tetrahedra*, in: Y. Alavi et al., eds., *Graph Theory, Combin. and Appl. of Graphs*, Wiley 1995, Vol I, 289-300, **MR1405817** (97d:05265); 05C99.
- 32 (with C. Barrientos and H. Hevia) *Equitable Labelings of Forests*, in Y. Alavi et al., eds., *Combin. and Graph Theory '95*, Vol 1, (ed. Y. Alavi), World Scientific, Singapore (1995), 1-26; **MR 98g:05133**.
- 31 (with P. Rivera-Vega and A. Rosa) *Invariants for 2-Factorizations and Cycle Systems*, *J. Combin. Math. Combin. Comput.* **16**(1994), 129–152. **MR1301216** (95h:05036); 05B30.
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- 24 (with A. E. Brouwer and C. Thomassen) *Highly Symmetric Subgraphs of Hypercubes*, *J. Algebraic Combin.*, **2**(1993) 25–29, **MR1210399** (94c:05037); 05C25 (05C15).
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- 16 (with I. Rubio) *Monomial Permutations with Uniform Cycle Length*, *Congressus Numerantium*, **69**(1989) 245–252, **MR0995890** (90m:11196); 11T06.
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- 4 *Coefficients of Paracyclotomic Polynomials*, *Annals of the XII Brazilian Mathematical Colloquium*, Instituto de Matemática Pura e Aplicada , Río de Janeiro, 1979, 1–13.
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