

Publications of Thomas H. Brylawski

- [1] Brylawski, Thomas H. A combinatorial model for series-parallel networks. *Trans. Amer. Math. Soc.* **154** 1971 1--22.
- [2] Brylawski, Thomas H. The Möbius function on geometric lattices as a decomposition invariant. *Möbius algebras (Proc. Conf., Univ. Waterloo, Waterloo, Ont., 1971)*, pp. 143--148. *Univ. Waterloo, Waterloo, Ont.*, 1971.
- [3] Brylawski, Thomas H. A decomposition for combinatorial geometries. *Trans. Amer. Math. Soc.* **171** (1972), 235--282.
- [4] Brylawski, T. H. The Tutte-Grothendieck ring. *Algebra Universalis* **2** (1972), 375--388.
- [5] Brylawski, Thomas The lattice of integer partitions. *Discrete Math.* **6** (1973), 201--219.
- [6] Brylawski, Thomas H. Some properties of basic families of subsets. *Discrete Math.* **6** (1973), 333--341.
- [7] Brylawski, Thomas H. Reconstructing combinatorial geometries. *Graphs and combinatorics (Proc. Capital Conf., George Washington Univ., Washington, D.C., 1973)*, pp. 226--235. *Lecture Notes in Math.*, Vol. 406, *Springer, Berlin*, 1974.
- [8] Brylawski, Thomas H. Experiment 34: An Appendix in color mixing, and Experiment 36: Mirrors and symmetry. *Experiments in Physics and Art* 1974 141--142, and 156--192.
- [9] Brylawski, Tom Modular constructions for combinatorial geometries. *Trans. Amer. Math. Soc.* **203** (1975), 1--44.
- [10] Brylawski, Tom A note on Tutte's unimodular representation theorem. *Proc. Amer. Math. Soc.* **52** (1975), 499--502.
- [11] Brylawski, Tom On the nonreconstructibility of combinatorial geometries. *J. Combinatorial Theory Ser. B* **19** (1975), no. 1, 72--76.
- [12] Brylawski, Thomas H. An affine representation for transversal geometries. *Studies in Appl. Math.* **54** (1975), no. 2, 143--160.

- [13] Brylawski, T. H. A combinatorial perspective on the Radon convexity theorem. *Geometriae Dedicata* **5** (1976), no. 4, 459--466.
- [14] Brylawski, Tom A determinantal identity for resistive networks. *SIAM J. Appl. Math.* **32** (1977), no. 2, 443--449.
- [15] Brylawski, Thomas H.; Lucas, T.D. Uniquely representable combinatorial geometries. *Atti dei Convegni Lincei* **17, Tomo I** 1976 83--104.
- [16] Brylawski, Tom Connected matroids with the smallest Whitney numbers. *Discrete Math.* **18** (1977), no. 3, 243--252.
- [17] Brylawski, Tom The broken-circuit complex. *Trans. Amer. Math. Soc.* **234** (1977), no. 2, 417--433.
- [18] Brylawski, Thomas H. Combinatorial theory (article and original artwork). *Encyclopedia of Science and Technology 4th and 5th editions*, 8 pages, McGraw-Hill, 1977 and 1980.
- [19] Brylawski, Thomas H. Geometria combinatorie e loro applicazioni, and Funzioni di Möbius, and Teoria dei codici e matroidi, and Matroidi coordinabili. *University of Rome Lecture Series* 1977.
- [20] Brylawski, Tom; Kelly, Douglas G. Matroids and combinatorial geometries. *Studies in combinatorics*, pp. 179--217. MAA Studies in Math., 17, *Math. Assoc. America, Washington, D.C.*, 1978.
- [21] Brylawski, Tom Intersection theory for embeddings of matroids into uniform geometries. *Stud. Appl. Math.* 61 (1979), no. 3, 211--244.
- [22] Brylawski, T.; Kelly, D. Matroids and combinatorial geometries. Carolina Lecture Series. *University of North Carolina, Department of Mathematics, Chapel Hill, N.C.*, 1980. iv+149 pp.
- [23] Brylawski, Tom The affine dimension of the space of intersection matrices. *Rend. Mat. (6)* **13** (1980), no. 1, 59--68.
- [24] Brylawski, Tom; Oxley, James Several identities for the characteristic polynomial of a combinatorial geometry. *Discrete Math.* **31** (1980), no. 2, 161--170.

- [25] Brylawski, T.; Lo Re, P. M.; Mazzocca, F.; Olanda, D. Some applications of the intersection theory to Galois geometry. (Italian) *Ricerche Mat.* **29** (1980), no. 1, 65--84.
- [26] Brylawski, Tom Intersection theory for graphs. *J. Combin. Theory Ser. B* **30** (1981), no. 2, 233--246.
- [27] Brylawski, Tom; Oxley, James The broken-circuit complex: its structure and factorizations. *European J. Combin.* **2** (1981), no. 2, 107--121.
- [28] Brylawski, Thomas H. Hyperplane reconstruction of the Tutte polynomial of a geometric lattice. *Discrete Math.* **35** (1981), 25--38.
- [29] Brylawski, Tom Finite prime-field characteristic sets for planar configurations. *Linear Algebra Appl.* **46** (1982), 155--176.
- [30] Brylawski, Thomas The Tutte polynomial. I. General theory. *Matroid theory and its applications*, 125--275, *Liguori, Naples*, 1982.
- [31] Brylawski, Tom Iterated parallel union of matroids. *Rend. Sem. Mat. Fis. Milano* **53** (1983), 229--244 (1986).
- [32] Brylawski, Tom Coordinatizing the Dilworth truncation. *Matroid theory (Szeged, 1982)*, 61--95, *Colloq. Math. Soc. János Bolyai*, **40**, *North-Holland, Amsterdam*, 1985.
- [33] Brylawski, Thomas Constructions. *Theory of matroids*, 127--223, *Encyclopedia Math. Appl.*, **26**, *Cambridge Univ. Press, Cambridge*, 1986.
- [34] Brylawski, Thomas Appendix of matroid cryptomorphisms. *Theory of matroids*, 298--316, *Encyclopedia Math. Appl.*, **26**, *Cambridge Univ. Press, Cambridge*, 1986.
- [35] Brylawski, Tom Blocking sets and the Möbius function. *Symposia Mathematica, Vol. XXVIII (Rome, 1983)*, 231--249, *Sympos. Math.*, **XXVIII**, *Academic Press, London*, 1986.
- [36] Brylawski, Thomas H.; Dieter, Elaine Exchange systems. *Discrete Math.* **69** (1988), no. 2, 123--151.
- [37] Brylawski, Thomas Greedy families for linear objective functions. *Stud. Appl. Math.* **84** (1991), no. 3, 221--229.

- [38] Brylawski, T. Matroid blocking sets. *Combinatorics '88, Vol. 2 (Ravello, 1988)*, 11--37, Res. Lecture Notes Math., *Mediterranean, Rende*, 1991.
- [39] Brylawski, Thomas; Oxley, James The Tutte polynomial and its applications. *Matroid applications*, 123--225, Encyclopedia Math. Appl., 40, *Cambridge Univ. Press, Cambridge*, 1992.
- [40] Brylawski, Thomas H.; Ziegler, Günter M. Topological representation of dual pairs of oriented matroids. *Discrete Comput. Geom.* > 10 (1993), no. 3, 237--240.
- [41] Brylawski, Thomas H.; Jeffrey T. Sheats Stratified parameter spaces for isohedral dirichlet tilings. *Preprint* 1994.
- [42] Brylawski, Thomas H. A conjecture on rank-preserving weak map images (in Open Problems). *Contemporary Mathematics* **197** 1996 p. 412.
- [43] Brylawski, T.; Varchenko, A. The determinant formula for a matroid bilinear form. *Adv. Math.* 129 (1997), no. 1, 1--24.
- [44] Brylawski, T. A Möbius identity arising from modularity in a matroid bilinear form. In memory of Gian-Carlo Rota. *J. Combin. Theory Ser. A* 91 (2000), no. 1-2, 622--639.

Count Checks

In honor of Tom's love of Möbius inversion, we note that $44 = 38 + 41 - 35$.

Here 38 is the number of publications listed by MathSci as of 8/1/07 when "Brylawski, T*" is entered into the 'author' field.

And 41 is the number of papers listed on the most recent (c1998) math department vita for Tom which is readily available on 8/1/07.

The 6 entries above from the vita which are not listed by MathSci are numbers 8, 15, 18, 19, 41, 42.

The 3 entries above from MathSci which are not listed on the vita are numbers 34, 40, 44.