

References

- [1] J. C. Baez and J. Dolan. Categorification. in “Higher Category Theory”, eds. E. Getzler and M. Kapranov, Contemp. Math. 230 , American Mathematical Society, 1-36, 1998.
- [2] M.L. Balinski. On the graph structure of convex polyhedra in n -space. Pacific J. of Math. 11: 431-434, 1961.
- [3] C. Balteanu, Z. Fiedorowicz, R. Schwänzl, R. Vogt. Iterated Monoidal Categories. Adv. Math. 176 : 277-349, 2003.
- [4] M. Batanin. Homotopy coherent category theory and A_∞ -structures in monoidal categories. Journal of Pure and Applied Algebra 123: 67-103, 1998.
- [5] M. Batanin. Monoidal globular categories as a natural environment for the theory of weak n -categories. Advances in Math 136 : 39-103, 1998.
- [6] M. Batanin. The Eckmann-Hilton argument, higher operads and E_n -spaces. preprint available at <http://www.ics.mq.edu.au/~mbatanin/papers.html>
- [7] M. Batanin. The combinatorics of iterated loop spaces. preprint available at <http://www.ics.mq.edu.au/~mbatanin/papers.html>
- [8] J. M. Boardman and R. M. Vogt. Homotopy invariant algebraic structures on topological spaces. Lecture Notes in Mathematics, Vol. 347, Springer, 1973.
- [9] F. Borceux. Handbook of Categorical Algebra 1: Basic Category Theory. Cambridge University Press, 1994.
- [10] M. Carr and S.L. Devadoss. Coxeter Complexes and Graph-associahedra. preprint, 2004.
- [11] B.J. Day. On closed categories of functors. Lecture Notes in Math 137 : 1-38, 1970.
- [12] E. Deutsch and M. Somos. <http://www.research.att.com/projects/OEIS?Anum=A007317>, 2005.
- [13] J.W.Duskin. Simplicial Matrices and the Nerves of Weak n -Categories I: Nerves of Bicategories. Theory and Applications of Categories 9, No. 10 ,198-308, 2002.
- [14] S. Eilenberg and G. M. Kelly. Closed Categories. Proc. Conf. on Categorical Algebra, Springer-Verlag , 421-562: 1965.
- [15] Z. Fiedorowicz. The symmetric bar construction. preprint.
- [16] S. Forcey. Enrichment Over Iterated Monoidal Categories. Algebraic and Geometric Topology 4 , 95-119, 2004.
- [17] S. Forcey. Vertically iterated classical enrichment. Theory and Applications of Categories 12 No. 10 , 299-325, 2004.
- [18] S. Forcey. Combinatorial n -fold monoidal categories and n -fold operads. preprint, 2005.
- [19] R. Gordon, A.J. Power, and R. Street. Coherence for tricategories. AMS, 1993.

- [20] B. Grünbaum. On the facial structure of convex polytopes. Bull. Amer. Math. Society 71, 559-560, 1965.
- [21] B. Grünbaum. Convex Polytopes. Interscience, London, 1967.
- [22] M. Healy. Proceedings of the International Joint Conference on Neural Networks (IJCNN05), 2005.
- [23] N. Iwase and M. Mimura. Higher homotopy associativity. Lecture Notes in Math., 1370 , 193-220, 1986.
- [24] A. Joyal and R. Street. Braided tensor categories. Advances in Math. 102 , 20-78, 1993.
- [25] G. Kalai. A simple way to tell a simple polytope from its graph. J. Combinatorial Theory, Ser. A 49, 381-383, 1988.
- [26] G. Kalai. On low dimensional faces that high dimensional polytopes must have. Combinatorica 10, 271-280, 1990.
- [27] G. M. Kelly. Basic Concepts of Enriched Category Theory. London Math. Society Lecture Note Series 64, 1982.
- [28] D. G. Larman and P. Mani. On the existence of certain configurations within graphs and the 1-skeletons of polytopes. Proc. London Math. Society (3) 20, 144-160, 1970.
- [29] T. Leinster. Operads in higher-dimensional category theory. Theory and Applications of Categories 12 No. 3, 73-194, 2004.
- [30] T. Leinster. A survey of definitions of n -category. Theory and Applications of Categories 10(1) , 1-70, 2002.
- [31] S. Mac Lane. Categories for the Working Mathematician 2nd. edition. Grad. Texts in Math. 5, 1998.
- [32] M. Markl, S. Shnider and J. Stasheff. Operads in Algebra, Topology and Physics. AMS, 2002.
- [33] J. P. May. The geometry of iterated loop spaces. Lecture Notes in Mathematics, Vol. 271, Springer, 1972.
- [34] J.P. May. Operadic categories, A_∞ -categories, and n -categories. Notes of a talk given at Morelia, Mexico on May 25 2001.
- [35] J. D. Stasheff. Homotopy associativity of H-spaces I. Trans. A. M. S. 108, 275-292, 1963.
- [36] R. Street. The Algebra of Oriented Simplexes. J. Pure Appl. Algebra 49, 283-335, 1987.
- [37] T. Trimble. What are fundamental n -groupoids? Seminar at DPMMS, Cambridge, 24 August 1999.
- [38] K. Williamson Hoke, Completely unimodal numberings of a simple polytope. Discrete Appl. Math. 20, 69-81, 1988.
- [39] G. M. Ziegler. Lectures on Polytopes. Volume 152 of Graduate Texts in Math., Springer-Verlag, New York, 1995.