

PUBLICATIONS — Marshall M. Cohen

BOOKS:

1. **A Course in Simple–Homotopy Theory**, Graduate Texts in Mathematics, No. 10, Springer Verlag, N.Y., 1973, MR 50, #14762.

ARTICLES:

2. **Local homeomorphisms of Euclidean space onto arbitrary manifolds**, Michigan Math. J. 12 (1965), 493–498, MR 32, #6468.
3. **Simplicial structures and transverse cellularity**, Annals of Math. (2) 85 (1967), 218–245. MR 35, #1037.
4. **A proof of Newman’s theorem**, Proc. Cambridge Philos. Soc. 64 (1968), 961–963. MR 38, #3871.
5. **A general theory of relative regular neighborhoods**, Trans. Amer. Math. Soc. 136 (1969), 189–229. MR 40, #2052.
6. **Simplicial and piecewise linear collapsibility**, Proc. Amer. Math. Soc. 24 (1970), 649–650. MR #8040.
7. with D. Sullivan: **On the regular neighborhood of a 2–sided submanifold**, Topology 9 (1970), 141–147. MR 41, #9262.
8. **Homeomorphisms between homotopy manifolds and their resolutions**, Inventiones Math. 10 (1970), 239–250. MR 43, #1195.
9. with M. Brown: **A proof that simple–homotopy equivalent polyhedra are stably homeomorphic**, Michigan Math. J. 21 (1974), 181–191. MR 50, #5805.
10. **Dimension estimates in collapsing $X \times I^q$** , Topology 14 (1976), 253–256. MR 51, #11530.
11. **Whitehead torsion, group extensions and Zeeman’s conjecture in high dimensions**, Topology 16 (1977), 79–88. MR 55, #9105.
12. with Brian Sanderson: **Closed topological n –manifolds ($n > 5$) are CW complexes**, A summary has appeared in R. C. Kirby and L. C. Siebenmann, “Foundational Essays on Topological Manifolds, Smoothings and Triangulations”, Annals of Math. Studies 88 (1977), page 107.

13. with I. Bernstein and R. Connelly: **Contractible non-collapsible products with cubes**, *Topology* 7 (1978), 183–188. MR 57, #7614.
14. with W. Metzler and A. Zimmerman: **What does a basis of $F(a, b)$ look like?** *Math. Ann.* 257 (1981), 435–445. MR 82m:20028.
15. with W. Metzler and K. Sauermaan: **Collapses of $K \times I$ and group presentations**, in “Combinatorial Methods in Topology and Algebraic Geometry”, ed. by J. Harper and R. Mandelbaum, *Contemporary Math.* Vol. 44 (1985), 3–33. MR 87k:57002.
16. with M. Lustig: **Paths of geodesics and geometric intersection numbers: I.** in “Combinatorial Group Theory and Topology”, ed. by S. Gersten and J. Stallings, *Ann. of Math. Studies* 111 (1987), 479–500.
17. with M. Lustig: **On the dynamics and the fixed subgroup of a free group automorphism**, *Invent. Math.* 96 (1989), 613–638.
18. with M. Lustig and M. Steiner: **Small R-tree actions are not determined by the translation lengths of finitely many elements**, in “Arboreal Group Theory”, ed. R. C. Alperin, *M.S.R.I. Publns.* 19 (1991), 183–187.
19. with M. Lustig: **Very small group actions on R-trees and Dehn twist automorphisms**, *Topology* 34 (1995), 575–617.
20. with M. Lustig: **The conjugacy problem for Dehn twist automorphisms of free groups**, *Comment. Math. Helv.* 74 (1999), 179–200
21. with C. P. Rourke: **The surjectivity problem for one-generator one-relator extensions of torsion free groups**, *Geometry and Topology* 5 (2001), 127 – 142.

BOOK IN PROGRESS:

22. with K. Pilgrim: **Groups and geometry, A Bridge to the Math Major**
(textbook in preparation).