

Classics in Geometric Topology
Suggested Papers

- A. Borel, *La cohomologie mod 2 de certains espaces homogènes*, Commentarii Mathematici Helvetici **27** (1953) 165–197.
- R. Thom, *Quelques propriétés globales des variétés différentiables*, Commentarii Mathematici Helvetici **28** (1954) 17–86.
- J. W. Milnor, *On manifolds homeomorphic to the 7-sphere*, Ann. of Math. **64** (1956) 399–405.
- R. Bott, *The stable homotopy groups of the classical groups*, Ann. of Math. **70** (1959) 313–337.
- M. A. Kervaire, *A manifold which does not admit any differentiable structure*, Commentarii Mathematici Helvetici **34** (1960) 257–270.
- J. F. Adams, *Vector fields on spheres*, Ann. of Math **75** (1962) 603–632.
- H. Toda, *Composition Methods in Homotopy Groups of Spheres*, Ann. of Math. Studies 49 (1962).
- R. Thom, *La stabilité topologique des applications polynomiales*, Enseignement Math. **8** (1962), 24–33.
- M. A. Kervaire and J. W. Milnor, *Groups of homotopy spheres, I*, Annals of Mathematics **77** (1963) 504–537.
- J. W. Milnor, *Morse Theory*, Annals of Mathematics Studies 51 (1963).
- M. F. Atiyah, *K-theory*, Notes by D. W. Anderson, Second edition, Advanced Book Classics, Addison-Wesley Publishing Company, 1989.
- M. F. Atiyah, R. Bott, and A. Shapiro, *Clifford algebras*, Topology **3** (1964), suppl. 1, 3–38.
- J. F. Adams and M. F. Atiyah, *K-theory and the Hopf invariant*, The Quarterly Journal of Mathematics, Oxford **17** (1966) 31–38.

- G. Segal, *The representation ring of a compact Lie group*, Institut des Hautes Études Scientifique Publications Mathématiques **30** (1968) 113–128.
- G. Segal, *Classifying spaces and spectral sequences*, Institut des Hautes Études Scientifique Publications Mathématiques **34** (1968) 105–112.
- G. Segal, *Equivariant K-theory*, Institut des Hautes Études Scientifique Publications Mathématiques **34** (1968) 129–151.
- D. Sullivan, *Geometric topology: localization, periodicity, and Galois symmetry*, MIT Notes (1970).
- G. Segal, *Categories and cohomology theories*, Topology **13** (1974) 293–312.
- J. F. Adams, *Stable homotopy and generalised homology*, reprint of the 1974 original, Chicago Lectures in Mathematics, University of Chicago Press, Chicago, IL, 1995.
- J. W. Milnor and J. D. Stasheff, *Characteristic Classes*, Annals of Mathematics Studies 76 (1974).
- J. C. Becker and D. H. Gottlieb, *The transfer map and fiber bundles*, Topology **14** (1975) 1–12.
- W. P. Thurston, *Existence of codimension-one foliations*, Ann. of Math. **104** (1976), 249–268.
- M. Goresky and R. MacPherson, *Intersection homology theory*, Topology **19** (1980) 135–162.
- E. Witten, *Supersymmetry and Morse theory*, J. Diff. Geo. **17** (1982) 661–692.
- V. G. Drinfel’D, *Hopf algebras and the quantum Yang–Baxter equation*, Soviet Math. Dokl. **32** (1985) 264–268.
- V. F. R. Jones, *A polynomial invariant for knots via von Neumann algebras*, Bull. Amer. Math. Soc. **12** (1985) 103–111.

- M. Gromov, *Partial differential relations*, Ergebnisse der Mathematik und ihrer Grenzgebiete **9** (1986).
- E. Witten, *Topological quantum field theory*, Comm. Math. Phys. **117** (1988) 353–386.
- E. Witten, *Quantum field theory and the Jones polynomial*, Comm. Math. Phys. **121** (1989) 351–399.