

planetmath.org

Math for the people, by the people.

bibliography for topology

Canonical name BibliographyForTopology

Date of creation 2013-03-22 14:39:46

Last modified on 2013-03-22 14:39:46

Owner Mathprof (13753)

Last modified by Mathprof (13753)

Numerical id 20

Author Mathprof (13753) Entry type Bibliography Classification msc 54-00

 $Related\ topic \qquad Categorical Ontology A Bibliography Of Category Theory$

 $Related\ topic \\ Homotopy Groupoids And Cross Complexes As Non Commutative Structures In Higher Related topic \\ Homotopy Groupoids And Cross Complexes As Non Commutative Structures In High Related topic \\ Homotopy Groupoids And Cross Complexes As Non Commutative Structures In Higher Related topic \\ Homotopy Groupoids And Cross Complexes As Non Commutative Structures In Higher Related topic \\ Homotopy Groupoids And Cross Complexes As Non Commutative Structures In Higher Related \\ Higher Relate$

Defines references

Defines books and basic texts on Topology and Algebraic Topology

References for Topology

Popular and Introductory

- 1. Stephen Barr, Experiments in Topology, Thomas Y. Crowell Company, New York, 1964 (very nice; available also in Estonian: Kääride ja paberiga topoloogiasse, Kirjastus "Valgus", Tallinn, 1982)
- 2. Seymour Lipschutz, *Theory and Problems of General Topology*, Schaum Publishing Co., New York, 1965

3.

General Topology

1. N. Bourbaki, *General Topology, Part 1*, Addison-Wesley Publishing Company, 1966

2.

- 3. R. Engelking, General topology, PWN, Warsaw, 1977.
- 4. J.L. Kelley, *General Topology*, D. van Nostrand Company, Inc., 1955; Springer-Verlag, New York, ISBN 0-387-90125-6

5.

- 6. S. Willard, *General Topology*, Addison-Wesley, Publishing Company, 1970; Dover Publications, 2004, ISBN 0486434796.
- 7. , *Topologie*, Chelsea Publishing Company, Bronx, New York, c 1935, 1972.; ISBN 0-8284-1197-2

8.

- 9., Topology, Allyn and Bacon, Boston, c. 1966.
- 10. , *Elementary Topology*, 2nd ed. , Addison-Wesley, Reading, Mass., 1967, ; Dover Publications, 1990, ISBN 0-486-66522-4.

11.

Algebraic Topology

- 1. Ronald Brown: Topology and Groupoids, BookSurge LLC (2006).
- 2. Ronald Brown R, P.J. Higgins, and R. Sivera.: "Non-Abelian algebraic topology", http://www.bangor.ac.uk/mas010/nonab-a-t.html; http://www.bangor.ac.uk/mas010/nonab-t/partI010604.pdf (in preparation). (2008).
- 3. R. Brown and J.-L. Loday: Homotopical excision, and Hurewicz theorems, for n-cubes of spaces, Proc. London Math. Soc., 54:(3), 176-192, (1987).
- 4. R. Brown and J.-L. Loday: Van Kampen Theorems for diagrams of spaces, Topology, 26: 311-337 (1987).
- 5. R. Brown and G. H. Mosa: Double algebroids and crossed modules of algebroids, University of Wales–Bangor, Maths Preprint, 1986.
- 6. R. Brown and C.B. Spencer: Double groupoids and crossed modules, *Cahiers Top. Géom.Diff.* **17** (1976), 343–362.
- 7. Madalina (Ruxi) Buneci.: *Groupoid Representations.*, Ed. Mirton: Timisoara (2003).
- 8. Allain Connes: Noncommutative Geometry, Academic Press 1994.
- 9. William S. Massey, A Basic Course in Algebraic Topology, Springer, New York, 1991; ISBN 0-387-97430-X, 3-540-97430-X; QA612.M374
- C.R.F. Maunder, Algebraic Topology, Cambridge University Press, 1980,
 Dover Edition, 1996; ISBN 0-486-69131-4
- 11. Fred H. Croom, *Basic Concepts of Algebraic Topology*, Springer-Verlag, New York, 1978; ISBN 0-387-90288-0
- 12. Joseph J. Rotman, An Introduction to Algebraic Topology, Springer-Verlag, New York, 1988: ISBN 0-387-96678-1

Differential Topology

1. John W. Milnor, *Topology from the Differentiable Viewpoint*, University Press of Virgina, Charlottesville, Virgina, 1965; Princeton University Press, Princeton, New Jersey, 1997; ISBN 0-691-04833-9; QA613.6.M55

Topology in Relation to Other Areas of Mathematics

- 1. Michael Atiyah, *The Geometry and Physics of Knots*, Cambridge University Press, Cambridge, 1990; ISBN 0-521-39521-6, 0-521-39554-2
- 2. Alfsen, E.M. and F. W. Schultz: Geometry of State Spaces of Operator Algebras, Birkhäuser, Boston-Basel-Berlin (2003).
- 3. J. Butterfield and C. J. Isham: A topos perspective on the Kochen-Specker theorem I–IV, Int. J. Theor. Phys, 37 (1998) No 11., 2669-2733 38 (1999) No 3., 827-859, 39 (2000) No 6., 1413-1436, 41 (2002) No 4., 613-639.
- 4. M. Chaician and A. Demichev: *Introduction to Quantum Groups*, World Scientific (1996).

Topological Groups

- 1.
- 2.