

## References

1. **Sheldon Axler**, *Linear Algebra Done Right*. Second edition, Springer-Verlag, 1997.
2. **Andrew Baker**, *Matrix Groups: An Introduction to Lie Group Theory*. Springer-Verlag, 2002.
3. **Martin R. Bridson and Simon M. Salamon** (editors), *Invitations to Geometry and Topology*, Oxford University Press, 2002.
4. **Theodor Bröcker and Tammo tom Dieck**, *Representations of Compact Lie Groups*. Springer-Verlag, 1985.
5. **Morton L. Curtis**, *Matrix Groups*. Springer-Verlag, 1979.
6. **J. J. Duistermaat and J. A. C. Kolk**, *Lie Groups*, Springer-Verlag, 2000.
7. **Hans Freudenthal and H. de Vries**, *Linear Lie Groups*, Academic Press, 1969.
8. **William Fulton and Joe Harris**, *Representation theory: A First Course*, Springer-Verlag, 1991.
9. **Allen Hatcher**, *Algebraic topology*. Cambridge University Press, 2002.
10. **Kenneth Hoffman and Ray Kunze**, *Linear Algebra*. Second edition, Prentice-Hall, 1971.
11. **Roger Howe**, “Very Basic Lie Theory,” *American Mathematical Monthly*, **90** (1983), 600–623.
12. **Sigurdur Helgason**, *Differential Geometry, Lie Groups, and Symmetric Spaces*. Academic Press, 1978.
13. **James E. Humphreys**, *Introduction to Lie Algebras and Representation Theory*. Springer-Verlag, 1972.
14. **N. Jacobson**, *Lie Algebras*. John Wiley and Sons, 1962.
15. **Jens Carsten Jantzen**, *Representations of Algebraic Groups*, Academic Press, 1987.
16. **Anthony W. Knapp**, *Representation Theory of Semisimple Groups: An Overview Based on Examples*. Princeton University Press, 1986.
17. **Anthony W. Knapp**, *Lie Groups, Lie Algebras, and Cohomology*. Princeton University Press, 1988.
18. **Anthony W. Knapp**, *Lie Groups: Beyond an Introduction*. Birkhauser, 1996.
19. **John M. Lee**, *Introduction to Smooth Manifolds*, Springer-Verlag, 2003.
20. **Jacques Martinet**, *Perfect Lattices in Euclidean Spaces*, Springer-Verlag, 2003.

21. **W. Miller**, *Symmetry Groups and Their Applications*. Academic Press, 1972.
22. **James R. Munkres**, *Topology: A First Course*. Prentice-Hall, 1975.
23. **Andrew Pressley and Graeme Segal**, *Loop Groups*, Oxford University Press, 1986.
24. **M. Reed and B. Simon**, *Methods of Modern Mathematical Physics. III. Scattering theory*. Academic Press, New York-London, 1979.
25. **M. Reed and B. Simon**, *Methods of Modern Mathematical Physics. I. Functional analysis*. Second edition, Academic Press, New York, 1980.
26. **Wulf Rossmann**, *Lie Groups: An Introduction Through Linear Groups*. Oxford University Press, 2002.
27. **Walter Rudin**, *Principles of Mathematical Analysis*. Third edition, McGraw-Hill, 1976.
28. **Walter Rudin** *Real and Complex Analysis*. Third edition, McGraw-Hill, 1987.
29. **Jean-Pierre Serre**, *Complex Semisimple Lie Algebras*. Springer-Verlag, 1987.
30. **Barry Simon**, *Representations of Finite and Compact Lie Groups*. American Mathematical Society, 1996.
31. **Frank W. Warner**, *Foundations of Differentiable Manifolds and Lie Groups*. Springer-Verlag, 1983.
32. **V.S. Varadarajan**, *Lie Groups, Lie Algebras, and Their Representations*. Springer-Verlag, 1974.