

## References

- [AM] M.F. Atiyah and I.G. Macdonald, *Introduction to commutative algebra*, Addison-Wesley Publishing Co., Reading, Mass.-London-Don Mills, Ont. 1969 ix+128 pp. MR0242802.
- [Bou] N. Bourbaki, *General Topology*, Springer-Verlag, 1989. MR1726779. [4.6.2](#), [9.10](#), [10.6](#), [11.12](#), [33.2](#), [34.2](#)
- [Bre] A. Bressan, *Lecture notes on functional analysis, With applications to linear partial differential equations* Graduate Studies in Mathematics **143** American Mathematical Society, Providence, RI, 2013. ISBN: 978-0-8218-8771-4, MR2987297. [16.6](#), [2](#), [5](#), [25.2](#)
- [CSM] R. Carter, G. Segal and I.G. Macdonald, *Lectures on Lie groups and Lie algebras*, London Mathematical Society Student Texts **32**, Cambridge University Press, Cambridge, 1995. ISBN: 0-521-49579-2; 0-521-49922-4, MR1356712 [4.6.2](#)
- [Ha] R. Hartshorne, *Algebraic geometry*, Graduate Texts in Mathematics, No. 52, Springer-Verlag, New York-Heidelberg, 1977. ISBN: 0-387-90244-9, MR0463157 [4.6.2](#)
- [Mah] K. Mahler, *Introduction to  $p$ -adic numbers and their functions*, Cambridge University Press, 1973. ISBN: 0-521-20001-6, MR0347711.
- [Ra1] A. Ram, *Limits and topologies*, preprint 2017. [4.9](#)
- [Rub] J. Hyam Rubinstein, *Lecture notes for Metric and Hilbert Spaces*, University of Melbourne 2010-2013.
- [BRu] W. Rudin, *Principles of mathematical analysis*, Third edition, International Series in Pure and Applied Mathematics, McGraw-Hill 1976. MR0385023.
- [Ru] W. Rudin, *Real and complex analysis*, Third edition, McGraw-Hill, 1987. MR0924157. [16.6](#), [2](#), [5](#)
- [TB] L.N. Trefethen and D. Bau, *Numerical linear algebra*, Society for Industrial and Applied Mathematics (SIAM), Philadelphia, PA, 1997. ISBN: 0-89871-361-7, MR1444820 [16.6](#)
- [Wil] J.H. Wilkinson, *The algebraic eigenvalue problem*, Monographs on Numerical Analysis, Oxford Science Publications, The Clarendon Press, Oxford University Press, New York, 1988. ISBN: 0-19-853418-3, MR0950175 [16.6](#)