

# Bibliography

- [Amr09] W.O. Amrein, *Hilbert space methods in quantum mechanics*, Fundamental Sciences. EPFL Press, Lausanne; distributed by CRC Press, Boca Raton, FL, 2009.
- [ABG96] W.O. Amrein, A. Boutet de Monvel, V. Georgescu,  *$\mathcal{C}_0$ -groups, commutator methods and spectral theory of  $N$ -body Hamiltonians*, Birkhäuser, Basel, 1996.
- [AMP02] W.O. Amrein, M. Măntoiu, R. Purice, *Propagation properties for Schrödinger operators affiliated with certain  $C^*$ -algebras*, Ann. Henri Poincaré **3** (2002), no. 6, 1215–1232.
- [BS70] R. Busby, H. Smith, *Representations of twisted group algebras*, Trans. Amer. Math. Soc. **149**, 503–537, 1970.
- [DG13] E.B. Davies, V. Georgescu,  *$C^*$ -algebras associated with some second order differential operators*, J. Operator Theory **70** (2013), no. 2, 437–450.
- [Fol95] G.B. Folland, *A course in abstract harmonic analysis*, Studies in Advanced Mathematics. CRC Press, Boca Raton, FL, 1995.
- [GI02] V. Georgescu, A. Iftimovici, *Crossed products of  $C^*$ -algebras and spectral analysis of quantum Hamiltonians*, Comm. Math. Phys. **228** (2002), no. 3, 519–560.
- [GI06] V. Georgescu, A. Iftimovici, *Localizations at infinity and essential spectrum of quantum Hamiltonians I: General theory*, Rev. Math. Phys. **18** (2006), no. 4, 417–483.
- [LMR10] M. Lein, M. Măntoiu, S. Richard, *Magnetic pseudodifferential operators with coefficients in  $C^*$ -algebras*, Publ. Res. Inst. Math. Sci. **46** (2010), no. 4, 755–788.
- [Măn02] M. Măntoiu,  *$C^*$ -algebras, dynamical systems at infinity and the essential spectrum of generalized Schrödinger operators*, J. Reine Angew. Math. **550** (2002), 211–229.
- [Măn03] M. Măntoiu, *On the essential spectrum of phase-space anisotropic pseudodifferential operators*, Math. Proc. Cambridge Philos. Soc. **154** (2013), no. 1, 29–39.
- [MP04] M. Măntoiu, R. Purice, *The magnetic Weyl calculus*, J. Math. Phys. **45** (2004), no. 4, 1394–1417.

- [MPR05] M. Măntoiu, R. Purice, S. Richard, *Twisted crossed products and magnetic pseudodifferential operators*, in Advances in operator algebras and mathematical physics, 137–172, Theta Ser. Adv. Math., 5, Theta, Bucharest, 2005.
- [MPR07] M. Măntoiu, R. Purice, S. Richard, *Spectral and propagation results for magnetic Schrödinger operators; a  $C^*$ -algebraic framework*, J. Funct. Anal. **250** (2007), no. 1, 42–67.
- [Mur90] G.J. Murphy,  *$C^*$ -algebras and operator theory*, Academic Press, Inc., Boston, MA, 1990.
- [Pac94] J.A. Packer, *Transformation group  $C^*$ -algebras: a selective survey*, in  $C^*$ -Algebras: 1943–1993 (San Antonio, TX, 1993), Contemp. Math. **167**, Amer. Math. Soc., Providence, RI, 182–217, 1994.
- [PR89] J.A. Packer, I. Raeburn, *Twisted crossed products of  $C^*$ -algebras*, Math. Proc. Camb. Phil. Soc. **106**, 293–311, 1989.
- [PR90] J.A. Packer, I. Raeburn, *Twisted crossed products of  $C^*$ -algebras II*, Math. Ann. **287**, 595–612, 1990.
- [Ped79] G. Pedersen,  *$C^*$ -algebras and their automorphism groups*, London Mathematical Society Monographs 14. Academic Press, Inc. [Harcourt Brace Jovanovich, Publishers], London-New York, 1979.
- [Ped89] G. Pedersen, *Analysis now*, Graduate Texts in Mathematics, 118, Springer-Verlag, New York, 1989.
- [Ric05] S. Richard, *Spectral and scattering theory for Schroedinger operators with Cartesian anisotropy*, Publ. Res. Inst. Math. Sci. **41** (2005), no. 1, 73–111.
- [Sch73] L. Schwartz, *Théorie des distributions*, nouvelle édition, Hermann, 1973.
- [Sko12] P. Skoufranis, *Cross product  $C^*$ -algebras by locally compact groups*, lecture notes available on the website of this course.
- [Tak02] M. Takesaki, *Theory of operator algebras I*, Reprint of the first (1979) edition, Encyclopaedia of Mathematical Sciences 124, Operator Algebras and Non-commutative Geometry 5. Springer-Verlag, Berlin, 2002.
- [Tes09] G. Teschl, *Mathematical methods in quantum mechanics, with applications to Schrödinger operators*, Graduate Studies in Mathematics 99, American Mathematical Society, Providence, RI, 2009.
- [Tom87] J. Tomiyama, *Invitation to  $C^*$ -algebras and topological dynamics*, World Scientific Advanced Series in Dynamical Systems 3, World Scientific Publishing Co., Singapore, 1987.

- [W-O93] N.E. Wegge-Olsen, *K-theory and C\*-algebras, a friendly approach*, Oxford Science Publications. The Clarendon Press, Oxford University Press, New York, 1993.
- [Wil07] D.P. Williams, *Crossed products of C\*-algebras*, Mathematical Surveys and Monographs, 134. American Mathematical Society, Providence, RI, 2007.