

**LITERATURE FOR
AN INTRODUCTION TO C*-ALGEBRAS
AND FURTHER READING**

These are the texts I used to prepare the lecture:

- Dirk Werner, *Funktionalanalysis*, Third edition, Springer-Verlag, Berlin, 2000, xii+501 pp.
- Gert K. Pedersen, *Analysis now*, Graduate Texts in Mathematics **118**, Springer-Verlag, New York, 1989, xiv+277 pp.
- William Arveson, *An invitation to C*-algebras*, Graduate Texts in Mathematics **39**, Springer-Verlag, New York-Heidelberg, 1976, x+106 pp.
- Gerard J. Murphy, *C*-algebras and operator theory*, Academic Press, Inc., Boston, MA, 1990, x+286 pp.
- Richard G. Swan, *Vector bundles and projective modules*, Trans. Amer. Math. Soc. **105** 1962, 264–277

The standard references for the theory of operator algebras (C*-algebras and von Neumann algebras):

- Gert K. Pedersen, *C*-algebras and their automorphism groups*, London Mathematical Society Monographs, 14. Academic Press, Inc., London-New York, 1979.
- M. Takesaki, *Theory of operator algebras. I, II, III*, Encyclopaedia of Mathematical Sciences **124**, **125** and **127**, Operator Algebras and Non-commutative Geometry, Springer-Verlag, Berlin, 2002-03

For physicists:

- Ola Bratteli, Derek W. Robinson, *Operator algebras and quantum statistical mechanics* **1**, **2**, Second edition. Texts and Monographs in Physics. Springer-Verlag, New York 1987, Berlin 1997

Further reading on K -theory and C*-algebras:

- N. E. Wegge-Olsen, *K-theory and C*-algebras. A friendly approach*, Oxford Science Publications, The Clarendon Press, Oxford University Press, New York, 1993, xii+370 pp.
- M. Rørdam, F. Larsen and N. J. Laustsen, *An introduction to K-theory for C*-algebras*, London Mathematical Society Student Texts **49**, Cambridge University Press, Cambridge, 2000, xii+242 pp.

More advanced stuff on bivariant and equivariant topological K -theory:

- Bruce Blackadar, *K-theory for operator algebras*, Second edition, Mathematical Sciences Research Institute Publications **5**, Cambridge University Press, Cambridge, 1998. xx+300 pp.
- J. Cuntz, R. Meyer and J. M. Rosenberg, *Topological and bivariant K-theory*, Oberwolfach Seminars **36**, Birkhäuser Verlag, Basel, 2007, xii+262 pp.
- N. Christopher Phillips, *K-theory and freeness of group actions on C*-algebras*, Lecture Notes in Mathematics **1274**, Springer-Verlag, Berlin, 1987, viii+371 pp.