Morpisms of Extensions of C^*-algebras: Pushing Forward the Busby Invariant

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Reference list

References

[1] C.A. Akemann and S. Eilers, *Noncommutative end theory*, Pacific J. Math. **185** (1998), 47–88.

[2] B. Blackadar and E. Kirchberg, *Generalized inductive limits of finite-dimensional C^*-algebras*, Math. Ann. **307** (1997), no. 3, 343–380.

[3] R.C. Busby, *Double centralizers and extensions of C^*-algebras*, Trans. Amer. Math. Soc. **132** (1968), 79–99.

[4] M. Dădărlat and G. Gong, *A classification result for approximately homogeneous C^*-algebras of real rank zero*, Geom. Funct. Anal. **7** (1997), no. 4, 646–711.

[5] M. Dădărlat and T.A. Loring, *Classifying C^*-algebras via ordered, mod-p K-theory*, Math. Ann. **305** (1996), no. 4, 601–616.

[6] M. Dădărlat and T.A. Loring, *A universal multicoefficient theorem for the Kasparov groups*, Duke Math. J. **84** (1996), no. 2, 355–377.

[7] S. Eilers, *A complete invariant for AD algebras with real rank zero and bounded torsion in K_1*, J. Funct. Anal. **139** (1996), 325–348.

[8] R. Exel and T.A. Loring, *Invariants of almost commuting unitaries*, J. Funct. Anal. **95** (1991), 364–376.

[9] ______, *Finite-dimensional representations of free product C^*-algebras*, Internat. J. Math. **3** (1992), 469–476.

[10] P. Friis and M. Rørdam, *Almost commuting self-adjoint matrices – a short proof of Huaxin Lin's theorem*, J. reine angew. Math. **479** (1996), 121–131.

[11] M.J. Greenberg and J.R. Harper, *Algebraic topology. a first course*, Addison-Wesley, Redwood City, CA, 1981.

[12] K. Grove and G.K. Pedersen, *Substonean spaces and corona sets*, J. Funct. Anal. **56** (1984), 124–143.

[13] G. Hochschild, *Cohomology and representations of associative algebras*, Duke Math. J. **14** (1947), 921–948.

[14] E. Kirchberg, *On non-semisplit extensions, tensor products and exactness of group C^*-algebras*, Invent. Math. **112** (1993), 449–489.

[15] H. Lin, *Almost commuting selfadjoint matrices and applications*, Operator algebras and their applications (Waterloo, ON, 1994/1995), Fields Inst. Commun., vol. 13, Amer. Math. Soc., Providence, RI, 1997, pp. 193–233.

[16] T.A. Loring, *K-theory and asymptotically commuting matrices*, Canad. J. Math. **40** (1988), no. 1, 197–216.

[17] ———, *C^*-algebras generated by stable relations*, J. Funct. Anal. **112** (1993), no. 1, 159–203.

[18] ———, *Stable relations II: Corona semiprojectivity and dimension-drop C^*-algebras*, Pacific J. Math. **172** (1996), 461–475.

[19] ———, *Lifting solutions to perturbing problems in C^*-algebras*, Fields Institute Monographs, vol. 8, American Mathematical Society, Providence, RI, 1997.

[20] T.A. Loring, *When matrices commute*, Math. Scand. **82** (1998), no. 2, 305–319. MR 99j:46063

[21] T.A. Loring and G.K. Pedersen, *Corona extendibility and asymptotic multiplicativity*, K-Theory **11** (1997), no. 1, 83–102.

[22] ———, *Projectivity, transitivity and AF-telescopes*, Trans. Amer. Math. Soc. **350** (1998), no. 11, 4313–4339. MR 99c:46065

[23] C.L. Olsen and G.K. Pedersen, *Corona C^*-algebras and their applications to lifting problems*, Math. Scand. **64** (1989), 63–86.

[24] Ø. Ore, *Formal Theorie der linearen differential Gleichungen*, J. reine angew. Math. **168** (1932), 233–252.

[25] G.K. Pedersen, *C^*-algebras and their automorphism groups*, Academic Press, London, 1979.

[26] ———, *SAW^*-algebras and corona C^*-algebras, contributions to non-commutative topology*, J. Operator Theory **4** (1986), 15–32.

[27] ———, *The corona construction*, Proc. of the 1988 GPOTS-Wabash Conference (Harlow), Longman Sci. & Tech., 1990, pp. 49–92.

[28] ______, *A strict version of the non-commutative Urysohn lemma*, Proc. Amer. Math. Soc. **125** (1997), no. 9, 2657–2660.

[29] D. Voiculescu, *A note on quasi-diagonal C^*-algebras and homotopy*, Duke Math. J. **62** (1991), 267–271.