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**Extension techniques in  $C^*$ -cross products by compact group duals and in quantum field theory.** (English) [Zbl 1035.81032](#)

*Electron. J. Differ. Equ.* 2000, Conf. 04, 23-35 (2000).

Summary: Using the methods developed in a previous paper [Rev. Math. Phys. 12, 725–738 (2000; [Zbl 1044.81083](#))], we consider the problem of extending endomorphisms to cross-product by compact group duals getting a result of *M. Müger* [Ann. Inst. Henri Poincaré Phys. Théor. 71, 359–394 (1999; [Zbl 0938.81018](#))]. Then we discuss some other applications to quantum field theory, mainly in connection with PCT symmetries.

**MSC:**

- [81T05](#) Axiomatic quantum field theory; operator algebras
- [46L60](#) Applications of selfadjoint operator algebras to physics
- [46L55](#) Noncommutative dynamical systems
- [81R15](#) Operator algebra methods applied to problems in quantum theory

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