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Local 3-cocycles of nest subalgebras of factor von Neumann algebras. (Chinese. English summary) [Zbl 1218.47054]

Summary: It is proved that every weakly continuous local 3-cocycle of a nest subalgebra of a factor von Neumann algebra with coefficients on a unital dual bimodule is a 3-cocycle.

MSC:
47B47 Commutators, derivations, elementary operators, etc.
47L35 Nest algebras, CSL algebras

Keywords:
nest subalgebra; von Neumann algebra; local 3-cocycle