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Judith A Packer* (packer@euclid.colorado.edu), Department of Mathematics, Campus Box 395, University of Colorado at Boulder, Boulder, CO 80309-0395. *Projective modules for noncommutative solenoids*. Preliminary report.

“Noncommutative solenoids” are certain twisted group C^* -algebras, where the groups in question are countably infinitely generated; these algebras can also be generated as direct limits of rotation algebras. From examining the range of the trace of the K_0 -groups of the noncommutative solenoids, their finitely generated projective modules can be constructed. We also discuss a way of using directed systems of equivalence bimodules between directed systems of C^* -algebras to set up Morita equivalences between noncommutative solenoids and other C^* -algebras.

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