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**Pierre Albin\*** (albin@cims.nyu.edu). *The index of a family of Dirac operators on certain non-compact manifolds.*

I will discuss the issues involved in proving a families index theorem for Dirac-type operators on non-compact, asymptotically regular manifolds. I will discuss joint work with Frederic Rochon where these are worked through, using pseudodifferential techniques and renormalized traces, on manifolds with fibered hyperbolic cusps. (Received September 01, 2009)