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**Pierre Albin\*** ([pierre@math.mit.edu](mailto:pierre@math.mit.edu)). *Index theory of conformally compact metrics*. Preliminary report.

I will discuss the index of elliptic operators on conformally compact manifolds, defining a renormalized index because these operators need not be Fredholm. Nonetheless, generalized Dirac operators satisfy a corresponding renormalized index theorem. The case of the signature operator is joint work with Rafe Mazzeo; related work on fully elliptic operators, with Richard Melrose. (Received March 04, 2006)