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The Spectral Zeta Cocycle

In this talk we use D. Quillen's Chern-Weil theory for cyclic cohomology to calculate the transgression relations for the spectral zeta cocycle introduced by N. Higson in relation to the Connes-Moscovici noncommutative local index theorem. We use the transgression relations to give an explicit homotopy to the Connes-Chern character.