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P.O.Box 3060 STN CSC, Victoria, B.C. V8W 3R4, Canada. *Spectral triples for
subshifts*. Preliminary report.

Motivated by examples of differential operators, Alain Connes introduced the notion of a spectral triple. Despite the distinct contrast with manifolds, a number of interesting examples have been found for algebras of functions on a Cantor set and algebras of operators associated with dynamical systems on the Cantor set. Here, we present a new construction specific to the dynamics of subshifts. Properties of the spectral triples vary quite wildly with the class of subshift. (Received September 08, 2014)