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Cartans and rigidity for uniform Roe algebras

Uniform Roe algebras are C*-algebras associated to (discrete) metric spaces. They can also be thought of as the C*-algebras of certain étale groupoids, and as such have a natural Cartan subalgebra. I'll discuss uniqueness of this Cartan, and some corresponding rigidity results for the associated uniform Roe algebras: these imply in particular that the space can in some sense be recovered from the algebra. This is based on joint work with Jan Spakula, and with Stuart White.