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Title : Quantum isometry groups

Abstract : I shall briefly sketch the formulation and recent developments in the theory of quantum isometry groups, which is a generalization of the group of Riemannian isometries in the realm of noncommutative geometry. Some motivating examples will be discussed, and if time permits, I shall also give an idea of the proof of the recent result about nonexistence of quantum isometries of classical connected Riemannian manifolds.