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*The semicrossed product algebra of a dynamical system*

A multivariable dynamical system is a locally compact Hausdorf space along with n proper continuous self maps. From such a system one can construct a universal operator algebra called the semicrossed product algebra. In the one-variable case, first introduced by Arveson, it has been proven by Davidson and Katsoulis that two systems are conjugate if and only if their semicrossed product algebras are isomorphic as algebras. In the multivariable context, I will establish that two dynamical systems with connected spaces are conjugate if and only if their semicrossed product algebras are isometrically isomorphic.