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Imprimitivity theorems arising from Zappa-Szep actions on Fell bundles

Imprimitivity theorems, such as Green's imprimitivity theorem, establish the Morita equivalence between C^* -algebras arising from certain group actions. Recently, we introduced the notion of Zappa-Szep product of Fell bundles by groupoids that encodes a two-way action between the operator algebra and the groupoid. This in turn leads to a more general imprimitivity theorem arising from these dynamics. This is a joint work with Anna Duwenig.