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Alexander Kumjian* (alex@unr.edu), Dept of Mathematics & Statistics, University of Nevada, MS084, Reno, NV 89557. *Applications of the Stabilization Theorem to twisted higher rank graph C^* -algebras*. Preliminary report.

In joint work with Marius Ionescu, Aidan Sims and Dana Williams, we prove that a saturated Fell bundle over a groupoid is Morita equivalent to the action of the groupoid on a C^* -bundle. Under mild hypotheses, we apply the theorem to characterize the primitive ideal space of a twisted higher rank graph C^* -algebra. (Received August 21, 2015)