

1041-19-176

Hervé Oyono-Oyono* (oyono@math.cnrs.fr), Departement of Mathematics and Statistics,
University of Victoria, Victoria, BC , Canada, and **Guoliang Yu**. *K-theory for certain expanders*
(jointwork with G. Yu).

For a discrete group Γ which satisfies the property τ with respect to a family $(\Gamma_i)_{i \in \mathbb{N}}$ of finite index normal subgroups, the behaviours of the coarse Baum-Connes conjecture for the associated family of expanders and of the Baum-Connes conjecture for Γ differ substantially as we can see for $\Gamma = SL_2(\mathbb{Z})$. But if we consider the maximal versions of both conjectures, then theirs behaviours became quite similar. As an application, I will discuss the injectivity of the coarse Baum-Connes assembly map for certain expanders. (Received August 12, 2008)