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Noel Brady* (nbrady@math.ou.edu), Department of Mathematics, 423 PHSC, 601 Elm Ave, Norman, OK 72019. *Modified right-angled Artin groups.*

We define modified right-angled Artin groups. As is the case with right-angled Artin groups, these groups can be encoded via a finite graph (with some edge decorations), they are CAT(0) cubical groups, they admit homomorphisms onto the infinite cyclic group, and the clique complex corresponding to the finite graph is reflected in the asymptotic topology of the kernels. We present some results about the asymptotic geometry and topology of the kernels. (Received December 13, 2011)