

1093-57-92

Brian C. Rushton* (brian.rushton@temple.edu), Temple University Math Department,
Philadelphia, PA 19122. *Finite subdivision rules for cubulated groups.*

Finite subdivision rules for groups and manifolds are a way to recast questions about quasi-isometries into questions about a sequence of cell structures on a fixed complex X . We show that right-angled Artin groups have associated finite-subdivision rules which restrict nicely to subdivision rules for all compact special cube complexes, and discuss some of the ways that quasi-isometry properties can be deduced from subdivision rules. (Received August 18, 2013)