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Brian Rushton* (brian.rushton@temple.edu). *Geometry of groups through subdivision rules.*

Subdivision rules are a relatively new way of studying large-scale geometry of groups. We show how many geometric properties have simple descriptions in terms of subdivision rules, and use these to characterize subdivision rules for various classes of groups. We discuss applications to right-angled Artin groups and special cube complexes. (Received January 20, 2014)