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Lexicographic products with high reconstruction number

The *reconstruction number* of a graph is the smallest number of vertex deleted subgraphs needed to uniquely determine the graph up to isomorphism. Almost all graphs have reconstruction number three. We use lexicographic products of vertex transitive graphs with certain starter graphs to generate new infinite families of graphs with *high reconstruction numbers* (i.e. greater than three), settling a question of McMullen and Radziszowski. Joint with Geňa Hahn, Stacey Lamont, and Chester Lipka.