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**Simon R. Thomas\***, Department of Mathematics, Rutgers University, Piscataway, NJ  
08854-8019. *A Descriptive View of Geometric Group Theory.*

Gromov's geometric group theory seeks to classify finitely generated groups in terms of the "large scale geometry" of their Cayley graphs. In this talk, I will discuss this program from the perspective of the theory of Borel equivalence relations and point out some intriguing connections with recent work of Louveau-Rosendal on  $K_\sigma$  equivalence relations. (Received September 10, 2007)