

**Meeting:** 999, Nashville, Tennessee, SS 5A, Special Session on Topological Aspects of Group Theory

999-20-167

**Noel Brady, Jon McCammond and John Meier\***, Department of Mathematics, Lafayette College, Easton, PA 18042. *Kernels of homomorphisms from right angled Artin groups onto free groups.*

We give a parametrization of the space of homomorphisms from a given right angled Artin group onto free groups, using Makanin-Razborov diagrams. Each branch of these diagrams determines the finiteness properties of the kernels of the homomorphisms. The description of the MR-diagram and the corresponding finiteness properties are both quite concrete. (Received August 21, 2004)