

1035-03-1064 **Yun Lu*** (lu@kutztown.edu), Mathematics Department, Kutztown University of Pennsylvania,
Kutztown, PA 19530. *Reducts of Countably Categorical Graphs.*

Let M be a countably categorical structure, homogeneous for a finite relational language. A reduct of M corresponds, up to bi-interpretability, to a closed subgroup of $\text{Sym}(M)$ containing $\text{Aut}(M)$. In this talk, I will describe classifications of reducts given by Higman, Thomas and Bennett. I will also present my own results classifying reducts of the random bipartite graph and the random bipartite graph having more than two cross types. (Received September 18, 2007)