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Mohammad K. Azarian* (azarian@evansville.edu), University of Evansville, Mathematics Department, Evansville, IN 47722. *On the Location of the Near Frattini Subgroups of Generalized Free Products of Groups With Amalgamations.*

In this talk, we will continue our discussions regarding the relationship between the (lower) near Frattini subgroup of a generalized free product of groups and the amalgamated subgroup. We will show that if the generalized free factors are nilpotent, then the lower near Frattini subgroup is contained in the amalgamated subgroup. Also, we will show that if the generalized free factors are finitely generated with trivial lower near Frattini subgroups and the amalgamated subgroup is an infinite cyclic group, then the near Frattini subgroup is contained in the amalgamated subgroup. (Received September 23, 2005)