

1009-20-132

Robert Fitzgerald Morse* (morse@evansville.edu), Department of EE/CS, 1800 Lincoln Ave, Evansville, IN 47722. *Computing the nonabelian tensor square of finitely generated groups.*

A general theory for computing the nonabelian tensor square of polycyclic groups has recently been developed which has theoretical and computational applications. In this talk we look at how we can extend these results from this special class of finitely generated groups to a more general class of finitely generated groups. (Received August 12, 2005)