1070-53-152   **Meera G Mainkar*** (`mainkar@dartmouth.edu`), Department of Mathematics, Dartmouth College, Hanover, NH 03755. *Automorphisms of 2-step nilpotent Lie groups associated with graphs.*

We will associate a 2-step nilpotent Lie group with a simple graph. We will compute the automorphism group of these type of 2-step nilpotent Lie groups. This work was done with S. G. Dani. (Received February 07, 2011)