1092-13-256   **Sara Faridi*** (`faridi@dal.ca`), Department of Mathematics & Statistics, Dalhousie University, 6316 Coburg Rd. PO BOX 15000, Halifax, NS B3H 4R2, Canada. *Counting the projective dimension of a graph.* Preliminary report.

A popular area of research is finding combinatorial interpretations of algebraic invariants associated to a monomial ideal. In this talk we discuss how to compute the projective dimension of the edge ideal of a graph by considering certain minimal edge covers for the graph itself. In particular, we show that this process is characteristic-free. (Received August 11, 2013)