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**Sara Faridi\*** ([faridi@mathstat.dal.ca](mailto:faridi@mathstat.dal.ca)). *Resolutions of monomial ideals.*

In this talk we will discuss various aspects of simplicial resolutions of monomial ideals: complexes supporting a resolution, using f-vectors of simplicial complexes to find Betti numbers, and detecting Betti numbers from facet covers. (Received August 05, 2015)