

*The 14th Seminar on
Commutative Algebra and Related Topics, January 3 and 4, 2018
School of Mathematics, IPM, Tehran*

Free Resolutions of Binomial Edge Ideals

Sara Saeedi Madani

IPM and Amirkabir University of Technology

Iran

This is an overview talk on a class of binomial ideals attached to graphs, called binomial edge ideals. Our special attention is on recent results on the numerical invariants arising from their minimal graded free resolutions, like the Castelnuovo-Mumford regularity. We may also briefly look at some other (related) types of ideals.

This talk is based on some joint works with Dariush Kiani.