1064-13-363 Massimo Caboara (caboara@dm.unipi.it) and Sara Faridi* (faridi@mathstat.dal.ca). Componentwise linear ideals arising from simplicial trees. Preliminary report.

The motivation behind this talk is studying resolutions of monomial ideals. We discuss classes of ideals arising from simplicial trees (a generalization of graph-trees) which are componentwise linear. This means that the ideal can be broken into several components, each of which has a linear resolution. We also consider the dual property of sequential Cohen-Macaulayness in the class of ideals under study. (Received September 14, 2010)