1116-05-1655 **Bruno Benedetti*** (bruno@math.miami.edu), Department of Mathematics, 1365 Memorial Drive, Coral Gables, FL 33146, **Barbara Bolognese** (bolognese.b@husky.neu.edu), Boston, MA , and **Matteo Varbaro** (varbaro@dima.unige.it), Dipartimento di Matematica, Via Dodecaneso 35, 16146 Genova, Genova, Italy. *Balinski's theorem and dual graphs of curves.*

The graph of a convex polytope is just its 1-dimensional skeleton. Balinski's theorem states that the graph of every d-polytope is d-connected. The dual graph of an arrangement of n curves is instead the graphs with n vertices, where we put an edge between vertices i and j iff the corresponding curves intersect. I will explain the connection between these two notions, and state a very general algebraic version of Balinski's theorem. (Received September 21, 2015)