1086-14-1547        **June Huh\*** (`junehuh@umich.edu`). *The tropical Laplacian.*

The tropical Laplacian is a symmetric square matrix associated to a tropical surface, defined in a similar way to the Laplacian of a graph. In this joint work with Eric Katz, we show that the tropical Laplacian provides a new necessary condition for the realizability of a tropical surface. (Received September 23, 2012)