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Marino Echavarría, Max Everett, Robin Huang, Liza Jacoby and Ralph Morrison*
(10rem@williams.edu), 18 Hoxsey Street, Williamstown, MA 01267, and **Ayush K. Tewari,**
Raluca Vlad and Ben Weber. *Moduli dimensions of Newton polygons.*

Given a lattice polygon, we can study the moduli space of tropical (or algebraic) curves with that Newton polygon. The dimension of that moduli space is referred to as the moduli dimension of the polygon. In this talk we determine precisely what moduli dimensions are achievable in a given genus using tropical methods, which we then translate to the world of algebraic geometry. This is based on joint work with Ayush K. Tewari, and with participants in the 2020 SMALL REU at Williams College. (Received January 22, 2022)