1107-05-302 Benjamin Braun\* (benjamin.braun@uky.edu), 715 Patterson Office Tower, University of Kentucky, Lexington, KY 40506. Unimodality problems in Ehrhart theory. Preliminary report.
The h\* polynomial of a convex lattice polytope P is a subtle invariant related to geometric and algebraic properties of P. Unimodality of the coefficient sequence of the h\* polynomial occurs often, yet the reasons for this are not well-understood. We will survey a selection of recent results regarding h\*-unimodality and discuss some interesting open problems in this area. (Received January 18, 2015)