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Zhiyun Cheng, Sujoy Mukherjee, Józef H. Przytycki, Xiao Wang* (wangxiao@gwu.edu)
and **Seung Yeop Yang**. *Strict unimodality of plucking polynomials of rooted trees.*

We study strict unimodality of plucking polynomials by classifying strict unimodality of product of Gaussian polynomials. We also give criteria for a trapezoidal shape of a plucking polynomial. We generalize results of Pak and Panova on strict unimodality of q -binomial coefficients. (Received February 15, 2016)