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Distribution of the coefficients of the subtree polynomial

A subtree of a graph is a (not necessarily induced) subgraph that is also a tree. Writing $s_k(G)$ for the number of k -vertex subtrees of a graph G , the subtree polynomial of G is the polynomial $S(G, x) = \sum_{k \geq 0} s_k(G)x^k$. In this talk, some recent results on the distribution of the coefficients and related questions regarding the subtree polynomial will be discussed. In particular, we consider the situation where G is a random graph or tree.