## A COMBINATORIAL MODEL FOR CUBIC DENDRITIC POLYNOMIALS

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Call a polynomial  $p: \mathbb{C} \to \mathbb{C}$  dendritic if all of its periodic cycles are repelling. Kiwi has shown that in this case the Julia set  $\mathcal{J}_p$  of p is monotonely semiconjugate to its topological Julia set, which is a dendrite. We will present new combinatorial tools using invariant laminations which generalize Thurston's tools for quadratic polynomials and will use these to construct a combinatorial model for the space of cubic dendritic polynomials.

This is joint work with Alexander Blokh and Lex Oversteegen (University of Alabama at Birmingham) and Vladlen Timorin (Higher School of Economics).