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*Volumes of flow polytopes related to the caracol graphs*

Recently, Benedetti et al. introduced an Ehrhart-like polynomial associated to a graph. This polynomial is defined as the volume of a certain flow polytope related to a graph and has the property that the leading coefficient is the volume of the flow polytope of the original graph with net flow vector  $(1, 1, \dots, 1)$ .

Benedetti et al. conjectured a formula for the Ehrhart-like polynomial of what they call a caracol graph. In this talk we prove their conjecture using constant term identities, labeled Dyck paths, and a cyclic lemma.