1138-05-250 **Ricky Ini Liu*** (`riliu@ncsu.edu`), **Karola Mészáros** and **Alejandro H. Morales**. *Flow polytopes and the space of diagonal harmonics.*

A result of Haglund implies that the (q,t)-bigraded Hilbert series of the space of diagonal harmonics is a (q,t)-Ehrhart function of the flow polytope of the complete graph with netflow vector $(-n, 1, \ldots, 1)$. We study the (q,t)-Ehrhart functions of flow polytopes of threshold graphs with arbitrary netflow vectors. Our results generalize previously known specializations of the mentioned bigraded Hilbert series at $t = 1$, 0, and q^{-1}. (Received February 11, 2018)

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