

## **On tropical dualities in cluster algebras**

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In a joint work with T. Nakanishi, we study two families of integer vectors playing a crucial part in the structural theory of cluster algebras: the  $g$ -vectors parameterizing cluster variables, and the  $c$ -vectors parameterizing the coefficients. We prove two identities relating these vectors to each other. The proofs depend on the sign-coherence assumption for  $c$ -vectors that still remains unproved in full generality. If time allows, we discuss recent results due to D. Speyer and H. Thomas (work in progress), sharpening the sign-coherence property.