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**Title: Topology of affine bow varieties and Zastavas**

**Abstract:** Cherkis bow varieties were introduced as an ADHM type description of moduli spaces of  $U(n)$ -instantons on the Taub-NUT space equivariant under a cyclic group  $\mathbb{Z}/m\mathbb{Z}$ -action. An algebro-geometric description using quivers was constructed by Nakajima-Takayama, who have also shown that they generalise Nakajima quiver varieties, in particular Hilbert schemes of points on the affine plane. We compute the equivariant K-theory of their torus fixed points and give formulas for the generating series of their Euler numbers/motives. These series generalise the results of Ellingsrud-Stromme-Göttsche. As a special case, we obtain formulas for Drinfeld's Zastavas. Joint work with Richárd Rimányi.