

# The Gromov width of coadjoint orbits of the symplectic group

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I will discuss a lower bound for the Gromov width of a regular coadjoint orbit of the symplectic group. It is obtained by considering a toric degeneration and the string polytope for the corresponding toric variety, coming from a crystal basis for a representation of the symplectic group. This bound agrees with a previously found upper bound by Caviedes, giving the exact Gromov width. This is joint work with Milena Pabiniak.