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**JEREMY LANE**, McMaster University

*Big toric charts on regular coadjoint orbits of compact Lie groups*

Harada and Kaveh defined dense toric charts on integral coadjoint orbits of compact Lie groups via toric degeneration. In this talk I will describe a new approach to constructing toric charts on coadjoint orbits of compact Lie groups. Although we are not able to construct dense toric charts due to analytical limitations, we are able to construct toric charts on regular coadjoint orbits that are “big” in the sense that they exhaust the symplectic volume of the coadjoint orbit. These big charts are sufficient to extend known results regarding the Gromov width of coadjoint orbits.

This talk is based on collaboration with Anton Alekseev, Benjamin Hoffman, and Yanpeng Li, arXiv:1804.01504, arXiv:1808.06975, and work in progress.