

GAGC 2019
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Stéphanie Cupit-Foutou: Momentum polytopes of Kähler compact multiplicity-free manifolds.

I will present some results about the momentum polytopes of the multiplicity-free Hamiltonian compact manifolds acted on by a compact group which are Kählerizable. I shall give a characterization of these polytopes, explain how much they determine these manifolds and sketch some applications of this characterization – most of these results have been obtained jointly with G. Pezzini and B. Van Steirteghem.