

1103-53-115

Martin Pinsonnault* (mpinson@uwo.ca), Middlesex College, The University of Western Ontario, London, Ontario N6A 5B7, Canada. *Geometry of Symplectomorphism Groups of Toric Manifolds*. Preliminary report.

Given a symplectic toric manifold M , the group of equivariant symplectomorphisms G_T can be shown to behave like a maximal torus in the full symplectomorphism group G . This analogy leads to a convexity theorem similar to the Schur-Horn theorem. In this talk, we will discuss other analogies that can be drawn and some natural problems that emerge from this picture. (Received August 15, 2014)