

Higgs bundle tournaments

Tamas HAUSEL (Institute of Science and Technology Austria (ISTA), Austria)

Abstract: I will discuss the combinatorics of tournaments attached to root systems and their relationship to certain Higgs bundles. We expect that the connection can be explained by the big algebra of the Lie algebra representation of highest weight ρ , the half sum of positive roots, which should describe the mirror of the bottom Lagrangian in the Higgs moduli space. Based on joint work with Mirko Mauri.