

Announcement

Oberseminar Geometrie

4th of May 2022 at 2:15pm CEST/CES

31.00.017 and Zoom

<https://uni-wuerzburg.zoom.us/j/96587647828?pwd=ZjliUHpkd3J2cDlpVFBYRmlrYkRMZz09>

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Quotient maps of toric actions as Lie algebroid submersions

The action of a toric manifold fails to be free in a very controlled way. In fact, its singularities induce a Lie algebroid to which the action lifts freely. Using this observation one can view the quotient map as a submersion between Lie algebroids. This can in turn be used to construct singular symplectic structures. Finally, this theory can be used to extend T-duality (a version of mirror symmetry) to non-principal torus actions. Joint work with Gil Cavalcanti.

Invited by Francesco Cattafi