

BERNOULLIS TAFELRUNDE

GRADUATE STUDENT SEMINAR

Wednesday, 29 November 2017, 12:15-13:00
Seminarraum 00.003, Spiegelgasse 1

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ABSTRACT

It often happens in mathematics that various classification results in seemingly unrelated areas look very similar to each other. Namely, they all have something to do with the so-called Dynkin diagrams. These simple diagrams arise naturally in quiver representations, singularity theory, linear algebra, hyper-Kähler geometry, finite subgroups of Lie groups, and even conformal field theories and string theory. The goal of my talk is to describe only a very small part of these mysterious correspondences, which unites representation theory of finite groups and algebraic geometry.