

Student Algebraic Geometry Seminar

Organizer(s): Andrew Critch and Andrew Dudzik

Fridays, 4:00–5:00pm, 740 Evans

Fri, Feb 3 **George Melvin**, UC Berkeley

Singularities and Representations

The Kleinian singularities are certain types of surface singularities that arise as quotients of the affine complex plane by linear actions of finite subgroups F . They are distinguished from each other by the exceptional locus of a minimal resolution and can be classified using ADE diagrams. We will discuss these singularities and the deep connections that exist with the representation theory of F .

After the seminar, everyone is invited out for drinks and dinner with the speaker.