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Tuesday
September 24, 2013
2:30 p.m.
Classroom Building
(CL) 418



The McKay Correspondence and Ubiquity of Coxeter-Dynkin Diagrams

The classical McKay correspondence relates the geometry of Kleinian singularities to the representation theory of finite subgroups of $SL(2, \mathbb{C})$.

We will review the fascinating history. An intriguing application leads to an explicit classification of finite subgroups of $GL(2, \mathbb{C})$ through decorated extended Coxeter-Dynkin diagrams as we will explain.