

On Saito's characterization of quasihomogeneous isolated hypersurface singularities

Ravi Shroff (ANU)

Date / Time / Location: Thu. March 29, 2012, 1:00 - 2:30, JD35.

Abstract:

In this two-part talk, we will discuss Saito's deep theorem characterizing quasihomogeneous isolated hypersurface singularities. We'll first motivate the study of Saito's work and its relationship to the results of Milnor, Mather, Yau, Isaev, and others. Our aim is to sketch the proof of Saito's theorem. The talks should be reasonably accessible to honors students and graduate students with some knowledge of complex analysis, differential geometry, and algebra. Also, I will provide my translation of Saito's paper to anyone who is interested (the original is in German).