## Multiplier Ideals and Jumping Coefficients I, II

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## Abstract

These two linked talks will give an introduction to the local theory of multiplier ideals from an algebro-geometric viewpoint. Part expository and part a report on recent research, they will be aimed at non-specialists. Among other topics, we will discuss some applications of multiplier ideals to questions in local algebra, as well as some intresting invariants that generalize the complex singularity exponent of a holomorphic function.