

Mathematics Colloquium

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**Stability of
Nodal Curves**

Abstract: In this talk, I will begin with an introduction on geometric invariant theory (GIT). Then we proceed to explain how to use GIT to construct moduli spaces of algebraic varieties and what are the difficulties. Finally, we will explain how we overcome the difficulties for the case of nodal curves. The last part is a recent joint work with Jun Li.

Wednesday, December 9

3:00-4:00 pm

204 Smith Hall

Please note special time