

Algebraic Geometry Seminar

Boundary behavior of strata of holomorphic one-forms

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Abstract: Consider strata of holomorphic one-forms on Riemann surfaces with prescribed number and multiplicity of zeros. They define flat structures realizing the underlying surfaces as plane polygons whose boundary edges are identified suitably. In this talk, I will report some work in progress on degenerations of holomorphic one-forms in the same stratum when the underlying Riemann surfaces become nodal, with a focus on the interplay between algebraic geometry and flat geometry.

Tuesday, February 3 at 3:00 PM in SEO 1227