Mathematics, Statistics, and Computer Science   **@ UIC**

Algebraic Geometry Seminar

Degenerations of Riemann surfaces together with a meromorphic differential

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Abstract: We describe a natural compactification of the moduli space of complex curves together with a meromorphic 1-form with prescribed multiplicities of zeroes and poles. Such a moduli space is the total space where the action of SL(2,R) is studied in Teichmuller dynamics, and is also the analog of the double ramification cycle on the moduli space of curves. Based on joint work with M. Bainbridge, D. Chen, Q. Gendron, M. Moeller.

Wednesday, March 29 at 4:00 PM in SEO 427