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istanbul center for mathematical sciences

Mirzakhani Memorial Event

Wednesday, 15 May 2019

14.00-15.00: Özgür Kişisel METU, Ankara

Mirzakhani's work on Weil-Petersson volumes on moduli spaces

Abstract: I will survey Mırzakhani's results about Weil-Petersson volumes and their enumerative consequences for random hyperbolic surfaces.

15.00-15.30: Coffee Break

15.30-16.30: Arzu Boysal Boğaziçi University, Istanbul

Pointed stable curves, rational conformal field theory and theta functions

Abstract: This is an expository talk on rational conformal field theory (RCFT) for pointed stable curves. We discuss its construction and elaborate on one such field theory coming from affine Lie algebras. We then relate various objects of study in RCFT to theta functions.

16.30-17.00: Coffee Break

17.00-18.00: Turgay Bayraktar Sabancı University, Istanbul

Ergodic properties of the SL(2,R) action on the moduli space

Abstract: We survey on the recent results of M. Mirzakhani and her collaborators on the ergodic theoretic properties of the SL(2,R) action on the moduli space.

Place: : IMBM Seminar Room, Bogazici University South Campus

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