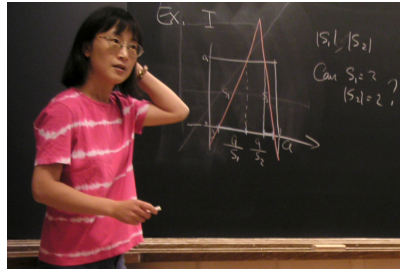


## Complex dynamics and quasi-conformal geometry.



Contribution ID: 10

Type: not specified

## Parabolic implosion surgery and twist deformation of rational maps.

Consider the Riemann surfaces of a geometrically finite rational map. A repeated Dehn twist will produce a sequence of rational maps in its moduli space. We will prove that this sequence is convergent under certain condition. The proof involves iteration on Teichmüller spaces and a surgery perturbation which realize a parabolic implosion.

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