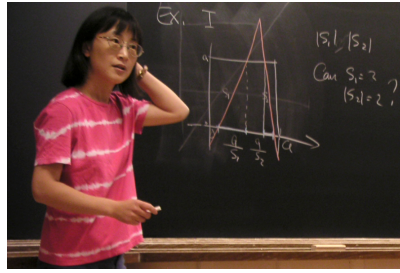


Complex dynamics and quasi-conformal geometry.



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Computing the conformal dimension of Julia sets by elastic graphs.

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One measure of the complexity of a Julia set are various notions of “conformal dimension”. We show how to estimate the Ahlfors regular conformal dimension sharply from above and below by using energies of maps between graphs, a refinement of the earlier theorem that characterized rational maps using similar energies.

This is joint work with Kevin Pilgrim.

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