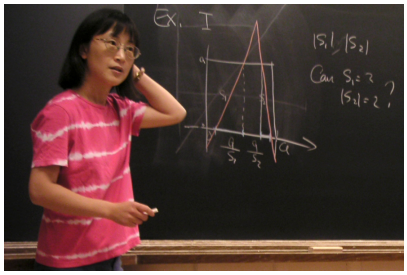

Contribution ID: **14** Type: **not specified**

Computing the conformal dimension of Julia sets by elastic graphs.

Tuesday, October 24, 2017 3:45 PM (55 minutes)

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.

Primary author: THURSTON, Dylan (Indiana University, Bloomington)

Presenter: THURSTON, Dylan (Indiana University, Bloomington)