

BOSTON UNIVERSITY GEOMETRY SEMINAR

**Moduli of Curves with W-structure,
Mirror Symmetry, and the
Landau-Ginzburg/Calabi-Yau correspondence**

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Wed., Nov. 10, 3-4 pm in PSY B53
Tea 2:45-3 in MCS 153

Abstract:

The moduli of curves with W-structure and their corresponding cohomological field theories form an orbifolded Landau-Ginzburg A-model and are the subject of several beautiful mirror symmetry conjectures. Some of these conjectures have been proved, including the Witten ADE-integrable hierarchies conjecture, while others are still open. In this talk I will give an introduction to the theory as well as discussing recent progress on some of the conjectures, including the Landau-Ginzburg/Calabi-Yau correspondence.