Seminar/Talk

The Frobenius structure conjecture

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The Frobenius structure conjecture is a conjecture concerning the geometry of rational curves in log Calabi-Yau varieties proposed by Gross-Hacking-Keel. It was motivated by the study of mirror symmetry. It predicts that the enumeration of rational curves in a log Calabi-Yau variety gives rise naturally to a Frobenius algebra satisfying nice properties, which is suppose to be the algebra of functions on the mirror variety. I will introduce the conjecture in the talk, and then explain how to use non-archimedean enumerative geometry to tackle the conjecture. It is based on my joint work with S. Keel.

Thursday, November 8, 2018 01:30pm - 03:30pm
Big Seminar room Ground floor / Office Bldg West (I21.EG.101)

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