



Speaker: Yifei Zhu
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Tuesday, January 19, 2016

3:00 PM

258 Hurley Hall

Title: Local moduli for elliptic spectra

Abstract:

A Morava E-theory at height 2 can be modeled by an elliptic spectrum whose formal group is the universal deformation of the formal group of a supersingular elliptic curve. By studying the moduli of elliptic curves at a supersingular point and near the cusps, we determine the algebra of power operations on such an E-theory, in terms of explicit generators and quadratic relations.