ALGEBRA AND NUMBER THEORY
SEMINAR

Crystalline cohomology of the Igusa tower and families of ordinary cuspforms

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Abstract: We explain a relation between the crystalline cohomology of the Igusa tower and the Iwasawa module of ordinary Lambda-adic cusp forms. By studying the de Rham cohomology of Igusa curves in characteristc p, we will use this relation to give a new proof of the existence of ordinary families of cuspforms.

Wednesday, December 5, 2012, 3:00 pm
Mathematics and Science Center: W306

MATHEMATICS AND COMPUTER SCIENCE
EMORY UNIVERSITY