

SYMPLECTIC WORKING GROUP SEMINAR

Monday, March 16, 4:30-6:30. Room 2-136.

MOHAMMED ABOUZAIID

How to use quilts to prove Homological Mirror Symmetry

I'll explain how to use work of Ma'u, Wehrheim, and Woodward to give a criterion for a collection of Lagrangians to generate the Fukaya category. Because of problems with disc bubbles, one usually imposes monotonicity conditions, but the machinery works well enough for Calabi Yaus in dimension 4. I'll use this to give an essentially formal form of Homological Mirror Symmetry for the product symplectic form on the four torus, and derive some symplectic applications.

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<http://math.mit.edu/~acotton/swg.html>