BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

DECOMPOSITION FORMULA FOR LOG GROMOV-WITTEN INVARIANTS

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Nov 20, 2013, 4:00 – 5:00pm
Math/Computer Science, Room 148
111 Cummington Street, Boston

Tea: 3:45pm in Room MCS 144

Abstract: The theory of stable log maps has recently been developed by Abramovich-Chen, and Gross-Siebert independently. Its purpose is to construct a degeneration formula which relates log Gromov-Witten invariants of the singular fiber and the usual Gromov-Witten invariants of the smooth fiber under a log smooth one parameter degeneration. The first step is the decomposition formula, which splits the log Gromov-Witten invariants of the singular fiber into combinatorial terms determined by the associated tropical curves and graphs. This is joint work with Dan Abramovich, Mark Gross, and Bernd Siebert.

See `http://math.bu.edu/research/geom/seminar.html` or contact Si Li
sili@math.bu.edu for more information.