

BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

THE PUNCTURED LOGARITHMIC MAPS

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December 11, 2019, 4:00 – 5:00pm
Math/Computer Science, Room B39
111 Cummington Street, Boston

Tea: 3:45pm in Room B24

Abstract: Logarithmic Gromov-Witten theory virtually counts the number of holomorphic curves with prescribed tangency condition along boundary divisors. In this talk I will introduce a variant of logarithmic maps called the punctured logarithmic maps. They naturally appear in a generalization of the gluing formulas of Li-Ruan and Jun Li. The punctured invariants play the role of relative invariants in these classical gluing formulas. They extend logarithmic Gromov-Witten theory by allowing negative tangency conditions with boundary divisors.

This talk is based on a joint work with Dan Abramovich, Mark Gross and Bernd Siebert.

See <http://math.bu.edu/research/geom/seminar.html> or contact Yu-Shen Lin (yslin@bu.edu) or Siu-Cheong Lau (lau@math.bu.edu) for more information.