

BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

**COMPUTING PUNCTURED LOG
GROMOV–WITTEN INVARIANTS VIA
WALL-CROSSING**

Hulya Arguz
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Dec 9, 2020, 4-5pm
Zoom link:

<https://bostonu.zoom.us/j/91941849691?pwd=bzlnVFg2TVZCVWxTN2t3UnZmWnJvdz09>
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Abstract: Computing punctured log Gromov–Witten invariants via wall-crossing
Abstract: Punctured log Gromov–Witten invariants of Abramovich–Chen–Gross–Siebert are obtained by counting stable maps with prescribed tangency conditions (which are allowed to be negative) relative to a not necessarily smooth divisor. We provide a technique based on tropical geometry and wall-crossing algorithms to compute punctured log Gromov–Witten invariants of log Calabi–Yau varieties which are obtained by blowing-up of toric varieties along hypersurfaces on the toric boundary. This is joint work with Mark Gross (arxiv:2007.08347).

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.