BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

GROMOV-WITTEN INVARIANTS AND SPECIAL SUBVARIETIES IN HYPERKÄHLER VARIETIES.

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September 26, 2018, 4:00 – 5:00pm
Math/Computer Science, Room 148
111 Cummington Street, Boston

Tea: 3:45pm in Room 144

Abstract: By the Bogomolov-Mumford theorem, every projective K3 surface contains a rational curve. I will discuss some generalizations of this theorem to higher dimensions concerning rational curves and algebraically coisotropic subvarieties in HyperKähler varieties. I will further discuss some related open questions, examples, and the crucial role played by Gromov-Witten theory in the study of these topics. Based on joint work with Georg Oberdieck and Qizheng Yin.

See http://math.bu.edu/research/geom/seminar.html or contact Yoosik Kim *yoosik@bu.edu* or Siu-Cheong Lau *lau@bu.edu* for more information.