THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

ALGEBRA AND GEOMETRY SEMINAR

Mirror symmetries for parabolic Hitchin systems, from classical to global, I

by

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<u>Abstract</u>

In the first talk, I will briefly review the Hitchin system's history and mirror symmetries. Then, mention our motivation for the parabolic Hitchin system. I will explain how the parabolic structures connect to nilpotent orbits. In the rest of the talk, I will explain the mirror symmetry for nilpotent orbit closures, i.e., the classical mirror symmetry. This talk is mainly based on the joint work with B. Fu and Y. Ruan (arXiv:2207.10533).

Date   : **13 November 2023 (Monday)**

Time   : **3:00pm – 4:30pm**

Venue : **Room 5510 (Lifts 25/26)**

All are Welcome!