THE UNIVERSITY   **OF HONG KONG**

Institute of Mathematical Research
Department of Mathematics

Geometry Seminar

Weighted projective lines:
tilting and equivariant objects

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Abstract

Weighted projective lines are introduced by Geigle and Lenzing, which provide a geometric approach to canonical algebras in the sense of Ringel. We will recall the following two features of weighted projective lines: the tilting theory and the equivariantization with respect to finite group actions. It turns out that these two features are closedly related to each other. This is based on joint work with Jianmin Chen and Shiquan Ruan.

Date: December 12, 2017 (Tuesday)

Time: 4:00 – 5:00pm

Venue: Room 210, Run Run Shaw Bldg., HKU

All are welcome