

ENUMERATIVE GEOMETRY SEMINAR

Speaker: Yingchun Zhang
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Time: Wed. March 26th, 14:00 – 16:00

Venue: Room 102, SCMS

Quantum cohomology/quantum K-rings and cluster algebras

Abstract: I will introduce a relation between the quantum cohomology ring/quantum K ring of a quiver variety and the cluster algebra. More explicitly, given a quiver with potential, there is an injective ring homomorphism from the cluster algebra to quantum cohomology/quantum K ring of the corresponding quiver variety. This relation has been proved for A and D type quivers.

