Speaker: Genki Ouchi (Nagoya University)

Title: Categorical entropy for K3 surfaces

Time: May 17 (Tu.), 1:30-2:30pm (Beijing time)

Venue: Zoom Meeting 984 962 1397 (no password required)

Abstract: Dimitrov-Haiden-Katzarkov-Kontsevich introduced the notion of categorical entropy for exact endofunctors of triangulated categories. In this talk, I would like to talk about categorical entropy for K3 surfaces. Using homological mirror symmetry, we construct a symplectic Torelli mapping class of positive categorical entropy on some symplectic K3 surface. This talk is based on the joint work with Kohei Kikuta.