BK Special Lecture Series in Geometry

Mirror Symmetry of Fano Varieties and Cluster Algebras

조 윤 형

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1월 20일 (목)
Pre-lecture (online) `15:00 - 16:30`

1월 21일 (금)
Lecture I `10:30 - 11:20`
Lecture II `11:30 - 12:20`

In this talk, we first discuss the recent observation/progress of mirror symmetry of Fano varieties in view of cluster algebra and representation theory. As an application to symplectic geometry, we prove that there exist infinitely many monotone Lagrangian tori in a full flag variety which are mutually not Hamiltonian isotopic to each other. This is based on the ongoing joint work in Center for Quantum Structures in Modules and Spaces (QSMS).