

BK Special Lecture Series in Geometry

Mirror Symmetry of Fano Varieties and Cluster Algebras

조 윤 형

성균관대학교

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).

주최: 4단계 BK21 수리과학 및 계산 교육연구단 (연세대학교 수학기산학부)

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**[온라인 동시중계] 줌 회의 접속방법은 학과 홈페이지 참조.