スーパーグローバルコース数学特別講義 3

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Washington University in St. Louis

Date: 13(Mon) – 17(Fri) March, 2023

Time: 10:00 – 12:00

Venue: To be announced to participants only

Polytopes in combinatorics and algebraic geometry

A (convex) polytope is the convex hull of finitely many points. Given that the main prerequisite to define and understand a polytope is linear algebra, this topic is suitable for first-year graduate students. This course will give an introduction to the theory of polytopes and their applications to algebraic combinatorics as well as algebraic geometry. During the course we will discuss an important class of polytopes called generalized permutohedra, which has been receiving a lot of attention recently. We will also cover Newton–Okounkov bodies, which allow us to study the geometry of varieties using polytopes.

要申込：受講希望者は、Google フォームにて申込みを行って下さい。
下記 URL または QR コードからアクセスしてください。
URL：https://forms.gle/gsybha7M7uDn23j86
締切日：３月１０日（金）１６時厳守

本講義はスーパーグローバルコース登録学生のコース修了要件の１単位となります。
ただし、大学院科目として通常の単位に認定されるわけではありませんので注意してください。

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