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SGU 数学特別講義 (代数幾何学)



Boundedness of Varieties of General Type

June 10 - 26, 2015, Kyoto University

Varieties of general type are the higher dimensional analog of Riemann surfaces of genus $g \geq 2$. If $X \subset \mathbb{P}_{\mathbb{C}}^N$ is a variety of general type then, by definition, the sections of $H^0(\omega_X^{\otimes m})$ determine a birational map for all sufficiently big integers $m > 0$. In these lectures we will explain recent results on the boundedness of varieties of general type that ultimately lead to the construction of a corresponding moduli space (more precisely to the construction of the KSBA proper functor of log canonically polarized log canonical pairs).

❖ 本講義は SGU 数学特別講義 (代数幾何学) として大学院の学生には 1 単位認定されます。

Date	Time	Venue
Wednesday, June 10	10:00 - 12:00	127, Math
Friday, June 12	14:00 - 16:30	127, Math
Wednesday, June 17	10:00 - 12:00	420, RIMS
Friday, June 19	14:00 - 16:30	127, Math
Friday, June 26	14:00 - 16:30	127, Math

127, Math : 127 Conference Room, Faculty of Science Bldg. #3
Department of Mathematics
(理学部 3 号館数学教室 127 大会議室)

420, RIMS : Room 420, Research Institute for Mathematical Sciences
(数理解析研究所 420 号室)



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<https://sgu.math.kyoto-u.ac.jp/>