

Singularities, Linear Systems, and Fano Varieties

Time: April 13 (Thu.) – 16 (Sun.), 2017

Venue: Rm 202, NCTS (Astro-Math Bldg., NTU)

Program:

- Talk 1:** Introduction to [1] -Caucher Birkar (University of Cambridge)
- Talk 2:** Preliminaries, section 2 of [1] -Yusuke Nakamura (University of Tokyo)
- Talk 3:** Adjunction, section 3 of [1] -Joe Waldron (École Polytechnique Fédérale de Lausanne)
- Talk 4:** Effective birationality, section 4 of [1] -Chen Jiang (Kavli Institute for The Physics and Mathematics of The Universe)
- Talk 5:** Effective birationality II, section 4 of [1] -Chen Jiang (Kavli Institute for The Physics and Mathematics of The Universe)
- Talk 6:** Special BAB, section 5 of [1] -Jingjun Han (Peking University)
- Talk 7:** Generalized pairs, basic definitions and results of [3] -Jungkai Chen (NCTS/NTU)
- Talk 8:** Complements, section 6 of [1] -Florin Ambro (Institute of Mathematics of the Romanian Academy)
- Talk 9:** Complements 11, section 6 of [1] -Florin Ambro (Institute of Mathematics of the Romanian Academy)
- Talk 10:** Exceptional pairs, section 7 of [1] -Yifei Chen (Chinese Academy of Sciences)
- Talk 11:** Exceptional pairs II, section 7 of [1] -Yifei Chen (Chinese Academy of Sciences)
- Talk 12:** Relative complements, anti-canonical volumes etc, sections 8, 9, 10 of [1] -Ching-Jui Lai (NTU)
- Talk 13:** Introduction to [2] -Caucher Birkar (University of Cambridge)
- Talk 14:** Preliminaries, section 2 of [2] -Kenta Hashizume (Kyoto University)
- Talk 15:** Le thresholds of Fano's, section 3 of [2] -Zhengyu Hu (NCTS)
- Talk 16:** Local-global complements, section 4 of [2] -Jinsong Xu (Xi'an Jiaotong-Liverpool University)
- Talk 17:** Singularities of linear systems, section 5 of [2] -Yoshinori Gongyo (University of Tokyo)
- Talk 18:** Singularities of linear systems II, section 5 of [2] -Yoshinori Gongyo (University of Tokyo)
- Talk 19:** Conclusion: BAB etc, section 6 of [2] -Caucher Birkar (University of Cambridge)

References:

- [1] Anti-pluricanonical systems on Fano varieties
- [2] Singularities of linear systems and boundedness of Fano varieties
- [3] Effectivity of Iitaka fibrations and pluricanonical systems of polarized pairs

Organizers:

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