

Toric Degenerations and Mirror Symmetry in Kumamoto

Date: October 13 and 14, 2022

Venue: Kumamoto City International Center (Kumamoto, Japan)
(held in a hybrid mode using Zoom)

Program

JST (GMT+9)	9:30 – 10:30	11:00 – 12:00	14:00 – 15:00	15:30 – 16:30	17:00 – 18:00
Oct. 13 (Thu)	Petracci	Hall	Clarke	Lee	Fang
Oct. 14 (Fri)		Zaffalon	Filip	Cho	de Laporte

Title (the schedule is written in JST, GMT+9)

Oct. 13 (Thu)

- 9:30 – 10:30 Andrea Petracci (University of Bologna)
On deformations of toric Fano varieties
- 11:00 – 12:00 Thomas Hall (University of Nottingham)
The behaviour of Kähler–Einstein polygons under mutation
- 14:00 – 15:00 Oliver Clarke (Osaka University)
Combinatorial Mutations of GT-Polytopes, FFLV-Polytopes, and Block Diagonal Matching Field Polytopes
- 15:30 – 16:30 Eunjeong Lee (Chungbuk National University) (Zoom)
On string polytopes
- 17:00 – 18:00 Xin Fang (University of Cologne) (Zoom)
Seshadri stratification, Newton–Okounkov complex and semi-toric degeneration

Oct. 14 (Fri)

- 11:00 – 12:00 Francesca Zaffalon (Ghent University)
Toric degenerations of partial flag varieties and combinatorial mutations of matching field polytopes
- 14:00 – 15:00 Matej Filip (University of Ljubljana)
Mutations of Laurent polynomials and deformations of toric varieties
- 15:30 – 16:30 Yunhyung Cho (Sungkyunkwan University)
Construction of Infinitely many monotone Lagrangian tori using quiver mutation
- 17:00 – 18:00 Bea de Laporte (University of Cologne) (Zoom)
Landau–Ginzburg potentials via projective representations

Organizers:

Naoki Fujita (Kumamoto University)

Akihiro Higashitani (Osaka University)