

Geometric and Functional Analysis in Saitama

Saitama University, Faculty of Science - 1st Building, Floor 3,
Room 1337

Monday 28 October 2024

14:15-15:15 - Federico Santagati (UNSW Sydney)

Hardy-Littlewood maximal operators: L^p bounds on nondoubling spaces

15:30-16:30 - Federico Santagati (UNSW Sydney)

Hardy-Littlewood maximal operators: from trees to Gromov hyperbolic spaces

16:45-17:45 - Ye Zhang (OIST)

Loomis-Whitney inequalities on corank 1 Carnot groups I: backgrounds and known results

18:00 - Dinner

Tuesday 29 October 2024

9:30-10:30 - Ye Zhang (OIST)

Loomis-Whitney inequalities on corank 1 Carnot groups II: the entropy approach

10:45-11:45 - Takeshi Suguro (Kumamoto University)

Functional inequalities and partial differential equations for the Tsallis entropy

12:00 - Lunch

14:15-15:15 - Takeshi Suguro (Kumamoto University)

Application of the Tsallis entropy to the regularized optimal transport

15:30-16:30 - Asuka Takatsu (Tokyo Metropolitan University)

Generalization of concavity

16:45-17:45 - Asuka Takatsu (Tokyo Metropolitan University)

Preservation of concavity by the Dirichlet heat flow

Contacts

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