

Schedule

The 2019 Fall Program of Low-Dimensional Dynamics

Week 5 (Oct. 8 - Oct. 12)

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|---------------------------|--|------------------------------|--|
| Tuesday (Oct. 8) | | Gu Lecture Hall, SCMS | |
| 9:30 – 11:30 | | Free Discussion | |
| 16:30 – 17:30 | | Free Discussion | |
| Wednesday (Oct. 9) | | Gu Lecture Hall, SCMS | |
| 9:30 – 11:30 | | Masato Tsujii | |
| 14:30 – 17:30 | | Free Discussion | |
| Thursday (Oct. 10) | | Gu Lecture Hall, SCMS | |
| 9:30 – 11:30 | | Free Discussion | |
| 14:30 – 15:30 | | Masato Tsujii | |
| 15:30 – 16:00 | | Tea Break | |
| 16:00 – 17:00 | | Masato Tsujii | |
| Friday (Oct. 11) | | Gu Lecture Hall, SCMS | |
| 9:30 – 11:30 | | Masato Tsujii | |
| 14:30 – 16:30 | | Wen Huang | |
| 16:30 – 17:30 | | Free Discussion | |
| Saturday (Oct. 12) | | Gu Lecture Hall, SCMS | |
| 9:30 – 11:30 | | Wen Huang | |
| 14:30 – 17:30 | | Free Discussion | |

(1) 10 月 9 日-11 日

Lecture series by Masato Tsujii (Kyushu University, Japan)

Title: Expanding semi-flows

Abstract: In my lectures, I would like to discuss about suspension semi-flows of expanding maps on the circle. This is a simplified model of hyperbolic flows and enables us to explore a few interesting problems about hyperbolic flows that do not appear in discrete dynamical systems. I will begin with recalling a few well known facts about expanding maps on the circle and then move to the case of its suspension flow, showing how things look similarly or differently.

(2) 10 月 10 日-12 日

Lecture series by Wen Huang (University of Science and Technology of China)

Title: 遍历理论及其在数论中应用

Abstract: 我们将回顾与遍历理论相关的自然数大子集中的线性结构、Host 关于 Erdos 猜测的遍历论证的脉络, 以及 Frantzikinakis、Host、Tao 和 Teräväinen 关于对数 Sarnak 猜测和对数 Chowla 猜测的相关进展和结果。

- 1.自然数大子集中的线性结构
- 2.Erdos 猜测的遍历论证
- 3.对数 Sarnak 猜测和对数 Chowla 猜测的相关进展和结果