

PROGRAM OF THE WORKSHOP "Resolution of singularities"

29/11/2021-2/12/2021, Institute of Mathematics, Hanoi

Chair: Phung Ho Hai

Monday, 29/11/2021

14:00-15:30 Nguyen Hong Duc (Thang Long University)
Overview and Resolution of plane curve singularities

15:30-16:00 Time break

16:00-17:30 Nguyen Quang Khai (Institute of Mathematics)
Embedded resolution: Global method

Tuesday, 30/11/2021

14:00-15:30 Nghiem Tran Trung (University of Montpellier)
Maximal contact and blowing-up of 1-dimensional rings

15:30-16:00 Time break

16:00-17:30 Dang Quoc Huy (Institute of Mathematics)
Minimal resolution

Wednesday, 1/12/2021

14:00-15:30 Pham Thanh Tam (Hanoi Pedagogical University 2)
Embedded resolution of surface singularities

15:30-16:00 Time break

16:00-17:30 Nguyen Tat Thang (Institute of Mathematics)
Arc spaces and Nash problems

Thursday, 2/12/2021

14:00-15:30 Nguyen Khanh Hung (Institute of Mathematics)
Strong resolution

15:30-16:00 Time break

16:00-17:30 Dao Van Thinh (Peking University)
A'Campo formula computing Euler characteristic of Milnor fibers

References

1. J.Kollar, Lectures on Resolution of Singularities, 2007.
2. N. A'Campo, La fonction zeta d'une monodromie, *Comment. Math. Helv.*, 1975.