

Mini-Workshop on Topological Phase and K-theory ¹

March 1-2, 2018

AIMR Room 4C

March 1

- 13:00-14:00 Hermann Schulz-Baldes (Universitaet Erlangen)
Topological invariants for disordered solid state systems
and fuzzy spheres
- 14:10-15:10 Kiyonori Gomi (Shinshu University)
Atiyah-Hirzebruch spectral sequence in band topology I
(General formalism for 230 space groups)
- 15:20-16:20 Shiozaki Ken (Riken)
Atiyah-Hirzebruch spectral sequence in band topology II
(Topological invariants for 230 space groups)
- 16:40-17:40 Yosuke Kubota (Riken)
Relative higher index and almost flat bundles
- 17:50-18:20 Minkyu Kim (University of Tokyo)
A construction of TQFT using K-theory
- 18:20-18:50 Yuya Kato (University of Tokyo)
Non-smoothable actions on spin 4-manifolds

March 2

- 11:00-12:00 Chris Bourne (AIMR)
Notes on crystallographic pairings
- 12:10-13:10 Max Lein (AIMR)
Topological classification of media for classical waves

Organizers : Motoko Kotani (AIMR), Mikio Furuta (University of Tokyo)

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