

5 minutes about

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(Research Member)

Home base

Bayreuth University, Germany
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At MSRI

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Current Research Interests (Kriecherbauer)

- **Riemann-Hilbert problems** (since 1996, with Deift, McLaughlin, Venakides, Zhou, Kamvissis, Baik, Miller, Kuijlaars, Gioev, Vanlessen, Schubert, Venker, Eichelsbacher, Schüler)
Asymptotics for integrable models, OP's, ...
- **Wigner type random matrices** (since 2018, with Kirsch, Fleermann)
... with correlated entries (global and local laws)
- **Finite TASEP and RFM** (since 2018, with Grüne, Margaliot)
random transition rates, reduction of state space, ...
- **Interacting particle systems with random initial data** (since 2021, with Grava, Mazzuca, McLaughlin)
eg. evolution of correlations in 1d-chains with short range interactions