



Lecture course, summer term 2020:

## Introduction to the Theory of Quantum Chaos

Planned content:

- Nonlinear dynamics and chaos in dynamical systems
- “Quantum Chaos: Is There Any?”
- Quantum signatures of chaos
- Quantum localization
- Quantum-mechanical stochastic webs

The lectures will be conducted in **five “full day” block sessions**. Due to Corona, we’ll either do these block sessions at the end of the semester, or during the summer vacations — transforming this lecture course into a little **“Summer School on Quantum Chaos”**. Details, including timings, and whether the lectures will be done in English or German, will be decided in the

### Introductory session:

**24.04.2020** (Friday), 4.15pm – 5.45pm, <https://join.skype.com/m9RJDIdR57mN>  
Please dial in by 4pm, to check the connection.

In case you cannot make it to the introductory session, please get in touch with me as soon as possible, such that I can brief you about the details.