



# ***EINLADUNG***

im Rahmen des Seminars für Mathematische Physik  
(Joint TU/UV Theory Seminar)

zum Vortrag

von

**Dmitri Vassilevich**

(Universidade Federal do ABC (Brazil))

über

***„Anomalies, Boundaries, and Boundary States“***

**Abstract:**

Quantum anomalies on manifolds with boundaries naturally have boundary contributions. In CFTs, these contributions are responsible for boundary central charges, while in the condensed matter applications they define anomalous Hall conductivity of the boundary, for example.

In this talk, I will describe the main properties of boundary anomalies and the methods of computations.

I will show, that in some cases the anomalies on manifolds with boundaries are totally defined by anomalies in effective boundary theories. (This phenomenon is called the anomaly inflow.)

I will conclude with a discussion of the relations between anomalies and boundary states.

**Zeit:** Dienstag, 07.11.2023, 14.00 h

**Ort:** Sem. R. DB gelb 03 - TU Wien Freihaus, Wiedner Hauptstrasse 8, 3rd floor,  
(yellow tower)

gez.: S. Fredenhagen, D. Grumiller, A. Fiorucci, T. Tran