



## Analysis Seminar

**Title:** “Quasiworld” from various points of view

**Speaker:** Anatoly Golberg (Holon Institute of Technology, Israel)

**Date:** Tue 26th September 2023 at 3:00PM

**Location:** E0.32 (beside Pi restaurant)

**Abstract:** In this talk, first we survey the main classes of “quasiworld”: quasiconformal, quasiregular, quasisymmetric, quasimöbius mappings, etc. In the mapping theory of higher dimensions, there are employed three main approaches: analytic, modular and metric. We discuss all of them and present our recent results relating to Teichmüller’s theorem on separating rings in higher dimensions, removability and distortion estimates for mappings with controlled  $p$ -moduli, extremal bound estimates for planar quasiregular mappings. All the results will be illustrated by appropriate examples.

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