



# Gastvortrag

Freitag, 26. April 2024

Uhrzeit: 10:00 Uhr

Seminarraum 1

Dr. Glen Wheeler

University of Wollongong (Australia)

## **Using an ODE to prove the parametrised isoperimetric inequality**

### Abstract:

In this talk we discuss the use of a penalised Sobolev gradient flow to establish the parametrised isoperimetric inequality. This is a relatively new generalisation of the isoperimetric inequality for immersions that has the correct constant for multiply-covered circles.

The result is joint work with Shinya Okabe, Philip Schrader, and Valentina Wheeler.

Eingeladen von Simon Blatt