



Einladung zum Mathematischen Kolloquium mit Vor-Kolloquium

16:00-16:45 Uhr Vor-Kolloquium im N14 für Studierende und Promovierende, moderiert von **Karim Mosani**,

Vortragender Prof. Dr. Kai Zehmisch

The moduli space

The approach to Gromov's „Nonsqueezing Theorem“ via holomorphic discs taken from the book „A Course on Holomorphic Discs“ (<https://link.springer.com/book/9783031360633>) requires knowledge from the theory of non-linear elliptic partial differential equations. I'll highlight the essentials in order to understand the Cauchy-Riemann operator of the related boundary value problem.

Es spricht am

Montag, den 17.07.2023, um 17:15 Uhr

Prof. Dr. Kai Zehmisch

(Ruhr-Universität Bochum)

über das Thema

„How it all started“

In 1985 Gromov proved that the unit ball does not embed symplectically into a symplectic cylinder of radius smaller than 1. Because volume preserving embeddings can do so, the theorem is called the „Nonsqueezing Theorem“. In my talk I will present a student friendly approach to the Nonsqueezing Theorem via holomorphic discs based on the forthcoming book „A Course on Holomorphic Discs“ (<https://link.springer.com/book/9783031360633>) jointly written with Geiges.

Der Vortrag findet im Hörsaal N14 (M1) des Mathematischen Instituts (Gebäude C, Auf der Morgenstelle 10) statt. Zuvor wird zum Tee im Hermann-Hankel-Raum (6. Stock, ab 16:45 Uhr) eingeladen.