

BERNOULLIS TAFELRUNDE

GRADUATE STUDENT SEMINAR

Monday, 13th of December 2021, 12:15-13:00

Hybrid seminar

Seminar room 00.003, Spiegelgasse 1 / Zoom

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Quasisymmetric uniformization

ABSTRACT

The classical uniformization theorem states that every simply connected Riemann surface is conformally diffeomorphic to D , \mathbb{C} or S^2 . The quasisymmetric uniformization problem now asks to find conditions on a given metric space X , homeomorphic to some model space M , under which there exists a quasisymmetry between M and X . After motivating this question with an example arising from geometric group theory, I will present one of the most important results regarding the quasisymmetric uniformization problem.