

Oberseminar Geometrie und Topologie

Sommersemester
2019

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Conformal Semmes Families

26. Juni 2019 – 16 Uhr

Raum 7. 348, Pfaffenwaldring 57

Abstract: Many basic question in geometry and physics remain largely unchanged under conformal deformations of the underlying structures. We show that the existence of "Isoperimetric Inequalities" on quite general spaces, like singular minimal surfaces, remains intact under natural conformal changes. This relies on the use of auxiliary structures we call "Conformal Semmes Families". These techniques are crucial when it comes to study positive scalar curvature by means of minimal surface techniques.



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