

BERNOULLIS TAFELRUNDE

GRADUATE STUDENT SEMINAR

Wednesday, 14 December 2016, 13:15-14:00
Seminarraum 05.002, Spiegelgasse 5

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Curves on a surface - How they self-intersect and why this number can be less than zero

ABSTRACT

In this talk I will introduce to you the world of my Master's thesis / PhD project. We consider curves on (easy) surfaces and explain how one counts the intersection number of two different curves. Then we will explore how to adapt this notion to *self*-intersection and we will see that there are surfaces containing curves with negative self-intersection. In the end, we will take a look at an open problem, the so-called Bounded Negativity Conjecture.