

BERNOULLIS TAFELRUNDE

GRADUATE STUDENT SEMINAR

Thursday, 21 February 2019, 12:15-13:00

Seminarraum 05.002, Spiegelgasse 5

AMMAR YASIR KILIC

Université Paris-Sud

Inequalities on Conductors

ABSTRACT

In this talk I will introduce the ramification filtration of the absolute Galois group G of a local field F . We will be interested in conductors of representations of G . More precisely, we will consider inequalities between the conductor of a representation S and a representation $R \circ S$ that is obtained by composing the former with an algebraic representation S of GL_n . I will sketch a proof of such an inequality in the case where R is given by the adjoint representation of GL_n .