

INVITED LECTURE

In **June 21, 2018**, starting with **12:00**, in room **128**

Olivier Schiffmann

from Department of Mathematics of Orsay, University Paris-Sud, will present the lecture

Counting vector bundles on curves

Abstract

The problem of classification of (holomorphic) vector bundles on (compact) Riemann surfaces is a well-known wild problem. We will discuss the following variant : is it possible to count indecomposable vector bundles, of a fixed rank and degree, on a genus g curve. Of course, for this count to be finite, one must consider curves defined over a finite field.