

General Mathematics Seminar
of the
University of Luxembourg
in cooperation with the
Luxembourg Mathematical Society

November, 2011

Tuesday, November 22, 2011, at 17:00

Campus Kirchberg, Room B02

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On some moduli spaces of sheaves supported on plane curves

Abstract:

We will classify the Gieseker semi-stable plane sheaves supported on curves of degree four, five and, in some cases, six. We will give natural stratifications for their moduli spaces. The strata are defined by means of cohomological conditions and have concrete geometric descriptions.