

Harvard-M.I.T. Algebraic Geometry Seminar

THE BERTRAM-FEINBERG-MUKAI CONJECTURE

MONTSERRAT TEIXIDOR

Tufts University

Consider the moduli space of vector bundles of rank two with canonical determinant. We want to study the Brill-Noether loci consisting of those vector bundles with at least k sections. As in the classical case, there is a Petri map whose injectivity would imply that these loci are not bigger or more singular than expected but wouldn't guarantee that they are non-empty. We'll discuss both the question of existence and study the Petri map using degenerations to reducible curves

Tuesday, September 10

3:00 p.m.

MIT Room 4-370

<http://www-math.mit.edu/~jstarr/02sem/>