

Northeastern University



Mathematics Department

Geometry, Physics, and Representation Theory Seminar

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Friday, September 28, 1:30-2:30 pm, Lake Hall 509

Newton-Okounkov bodies and Segre classes

Abstract

Segre classes are a fundamental ingredient in Fulton-Macpherson intersection theory. We will present a new approach to the computation of the Segre class of a subscheme of complex projective space, based on the construction of a suitable Newton-Okounkov body. The result may be viewed as a common generalization of results of Kaveh and Khovanskii and of an earlier result on Segre classes of monomial schemes.