

Geometry, Physics, and Representation Theory
Northeastern University

A Fock space approach to Severi degrees

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Abstract. I will discuss an approach to computing the Severi degrees of \mathbb{P}^2 , $\mathbb{P}^1 \times \mathbb{P}^1$, and other rational surfaces, in terms of certain operators on an infinite-dimensional vector space. This is joint work with R. Pandharipande.