



Leibniz  
Universität  
Hannover

Oberseminar  
Institut für Algebraische Geometrie

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A categorical  $sl_2$  action on some moduli spaces of  
sheaves

We study certain sequences of moduli spaces of sheaves on K3 surfaces, building on work of Markman, Yoshioka, and Nakajima. We show that these sequences can be given the structure of a geometric categorical  $sl_2$  action in the sense of Cautis, Kamnitzer, and Licata. As a corollary, we get an equivalence between derived categories of some moduli spaces that are birational via stratified Mukai flops.

Donnerstag, 19.11.2020

17:00 - 18:00

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Alle Interessierten sind herzlich eingeladen.