

Augustinas Jacovskis

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RESEARCH INTERESTS Algebraic geometry, derived categories of coherent sheaves, Bridgeland stability conditions, moduli spaces, Kuznetsov components, Hodge theory, categorical Torelli theorems, Fano varieties.

EDUCATION

<i>PhD Mathematics</i>	2019–2023 (expected)
University of Edinburgh, United Kingdom	
• Supervised by Professor Arend Bayer	
<i>MSc Mathematical Sciences</i>	2018–2019
University of Oxford, United Kingdom	
<i>BSc Mathematics</i>	2015–2018
Durham University, United Kingdom	

PUBLICATIONS/ PREPRINTS

1. Brill–Noether theory for Kuznetsov components and refined categorical Torelli theorems for index one Fano threefolds (joint with Zhiyu Liu and Shizhuo Zhang), *submitted*
<https://arxiv.org/abs/2207.01021>, [pdf](#)
2. Infinitesimal categorical Torelli theorems for Fano threefolds (joint with Xun Lin, Zhiyu Liu and Shizhuo Zhang), *submitted*
<https://arxiv.org/abs/2203.08187>, [pdf](#)
3. Categorical Torelli theorems for Gushel–Mukai threefolds (joint with Xun Lin, Zhiyu Liu and Shizhuo Zhang), *submitted*
<https://arxiv.org/abs/2108.02946>, [pdf](#)

TEACHING EXPERIENCE

<i>Tutor</i>	2019–
University of Edinburgh, United Kingdom	
• Tutored and graded courses on introductory proof writing, calculus, linear algebra, and abstract algebra (groups, rings, and modules).	
• Associate Fellow of the Higher Education Academy.	

TALKS

Invited	
• TBA	Spring 2023
Sheffield Algebraic Geometry Seminar, Sheffield	
• Brill–Noether Theory for Kuznetsov Components	January 2023
GEARS Seminar, Edinburgh	

- Categorical Torelli theorems for prime Fano threefolds March 2022
KCL/UCL Junior Geometry Seminar, London

Contributed

- The period map for Gushel–Mukai threefolds December 2022
Workshop on Singularities and Mirror Symmetry, Glasgow
- Bayer–Macrì’s Positivity Lemma January 2022
Bridgeland stability seminar, Bologna/Chemnitz/Nancy/online
- Geometry from derived categories October 2021
Hodge Club, Edinburgh
- Brill–Noether theory for Kuznetsov components May 2021
Internal derived work in progress seminar, Edinburgh/online
- Categorical Torelli theorems for prime Fano threefolds October 2020
Internal derived work in progress seminar, Edinburgh/online
- Cubic hypersurfaces and rationality October 2020
Hodge Club, Edinburgh/online
- A Brief Introduction to Bridgeland Stability Conditions February 2020
Junior Structure and Symmetry Day, Edinburgh
- Blow-ups November 2019
Reading group on resolution of singularities via weighted blowups, Edinburgh
- Homological Mirror Symmetry for the Cylinder October 2019
Reading group on homological mirror symmetry by examples, Edinburgh

LANGUAGES Python, \LaTeX , English (native), Lithuanian (native).

**ACADEMIC
REFERENCES** Available upon request.