

# Curriculum Vitae - Eoin Ó Murchadha

## Details

*Date of birth:* December 27<sup>th</sup> 1989  
*Nationality:* Irish  
*Email:* emurphy2@sheffield.ac.uk

## Education

**University of Sheffield, UK** (2014 - present)  
- Postgraduate under Prof. Tom Bridgeland

**University of Cambridge, UK** (2013 - 2014)  
- MAST in pure mathematics

**Trinity College Dublin, Ireland** (2008 - 2012)  
- B.A. (Mod) Mathematics

**Meánscoil na mBráithre Chríostaí, Trá Mhór (High School)** (2002 - 2008)  
- A1 grade in the following subjects: mathematics, applied mathematics, physics, chemistry, accounting, french

## Academic Achievements

- Awarded Robert Gardiner memorial scholarship, University of Cambridge (2013)
- Awarded gold medal for excellence in final examinations by the Board of Trinity College Dublin, Trinity College Dublin (2012)
- Elected Scholar of Trinity College Dublin, Trinity College Dublin (2010)
- Recipient of Townsend memorial prize, Trinity College Dublin (2009)
- Entrance exhibition award, Trinity College Dublin (2008)
- Maximum theoretical 600/600 points in Irish Leaving Certificate, Meánscoil na mBráithre Chríostaí, Trá Mhór (2008)
- Represented Ireland at the 49<sup>th</sup> International Mathematical Olympiad, Madrid, Spain (2008)

## Teaching Experience

- *Tutorial demonstrator*  
Weekly tutorials, University of Sheffield (2014 - current)
- *Private tutor*  
Tutored university students in mathematics, Dublin (2012, 2014)
- *International Baccalaureate tutor*  
Tutored high school students in IB mathematics and physics, Tutors in China, Shanghai (2013)

## Projects and Essays

- *Hall algebras*  
Three month long summer project under Dr. Vladimir Dotsenko and Dr. Sergey Mozgovoy, Trinity College Dublin (2014)
- *The foundations of logarithmic geometry*  
Part III essay under Dr. Mark Gross, University of Cambridge (2014)
- *Generalizing Menelaus' theorem to algebraic curves*  
Summer project under Dr. Masha Vlasenko, Trinity College Dublin (2012)
- *Algebraic geometry and the nilpotent cone*  
Final year project under Dr. Rudolf Tange, Trinity College Dublin (2012)

- *The homology of Cohen-Macaulay posets*  
Summer project under Dr. Vladimir Dotsenko, Trinity College Dublin (2011)

**Seminars**

- *Algebraic geometry and the nilpotent cone*  
Part III seminars, University of Cambridge (2013)
- *Olympiad style inequalities*  
Talk to younger undergraduates on how to solve olympiad style problems involving inequalities, Trinity College Dublin (2011)

**Other  
Information**

*Languages:* Native English, very good Irish Gaelic,  
good command of French, conversational Chinese  
and German

**Referees**

<b>Prof. Tom Bridgeland</b> University of Sheffield t.bridgeland@shef.ac.uk	<b>Dr. Sergey Mozgovoy</b> Trinity College Dublin mozgovoy@maths.tcd.ie	<b>Dr. Vladimir Dotsenko</b> Trinity College Dublin vdots@maths.tcd.ie
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