

Samuel Crew

Curriculum vitae

CONTACT INFORMATION

Samuel Crew
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EDUCATION

2016 –

University of Cambridge (Trinity College)

PhD, Applied Mathematics and Theoretical Physics.

Supervisor: Prof. Nick Dorey

Thesis: *Geometry of vortices in 3d $\mathcal{N} = 4$ theories.*

2015 – 2016

University of Oxford (Lincoln College)

MMathPhys, Mathematical and Theoretical Physics. *Distinction.*

2012 – 2015

University of Oxford (Lincoln College)

BA, Mathematics. *First Class.*

AWARDS

Stansbie Prize - Lincoln College, University of Oxford

The Stansbie prize is awarded for the best performance in a science final honours school.

Lord Crewe Scholarship - Lincoln College, University of Oxford

Examination Prize - University of Oxford

Awarded by the MMathPhys examiners for ranking 1st in the year.

PUBLICATIONS

2020 *Vortices and the Hilbert Scheme of Points*
In preparation

Thimbles, Vermas and Factorisation
M. Bullimore, S. Crew, N. Dorey & D. Zhang To appear

Modelling COVID-19 Infection Data With a Simple Gaussian Process
DAMTP RAMP Collaboration Report to RAMP initiative

Factorisation of $3d \mathcal{N} = 4$ Twisted Indices and the Geometry of Vortex Moduli Space
S. Crew, N. Dorey & D. Zhang. hep-th/2002.04573 (accepted to JHEP)

2016 *New Singularities for Stokes' Waves*
S. Crew & P. Trinh. J. Fluid. Mech.

TEACHING EXPERIENCE**Supervisions** (small group teaching)

Mathematical methods (1st and 2nd year), classical dynamics (3rd year), general relativity (3rd year)

Example Classes

Symmetries, Fields and Particles (part III)

TALKS

2019 “*Quivers, Spin chains and Black Holes*” - 2nd Year Talk, DAMTP.

2016 “*New Singularities for Stokes' Waves*” - BAMC Oxford (Conference talk)