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School of Mathematics Graduate School

Major (Retired) Helen de Montes and Dr Moritz Linkmann | 14 November 2024

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PhDs at the University of Edinburgh

- Maxwell Institute Graduate School (MIGS)
- Programmes
- Application process
- Funding opportunities
- Structure and training requirements
- Life in Edinburgh
- Student presentations



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Maxwell Institute Graduate School (MIGS)

- Within UoE Maths – c. 110 members of academic staff and c. 40 post-docs
- Graduate School has c. 200 PhD students
- MIGS is collaboration with Heriot-Watt University which started in 2018
- First year students from both institutions are based at Bayes Centre

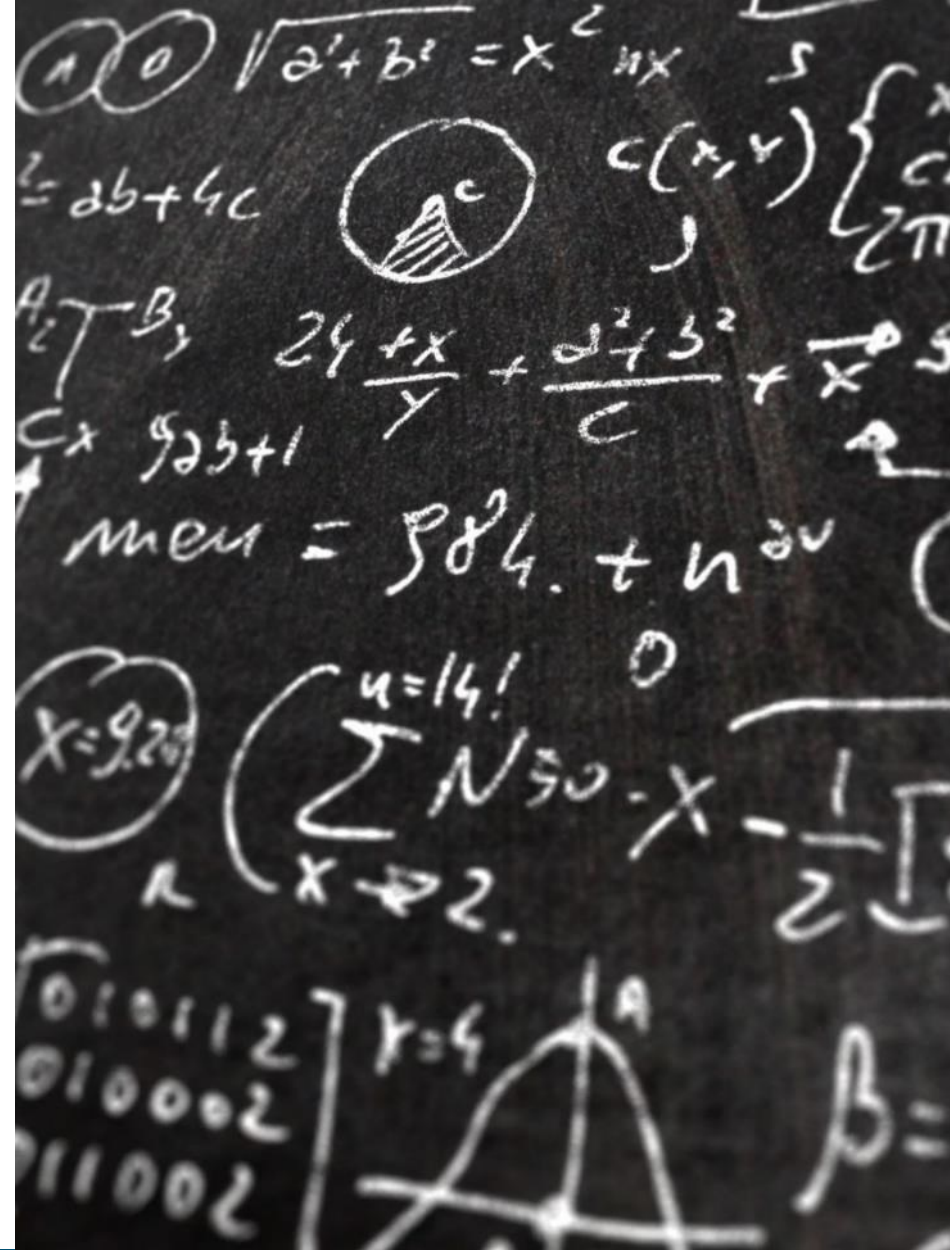


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Programmes

- Nine PhD programmes currently open for entry
- Correspond to research themes/ groups
- Apply via UoE degree finder (more later)
- Opportunities for funded places
- Typical September/ October start date
- Will start with assigned supervisor- will be specified in admission offer



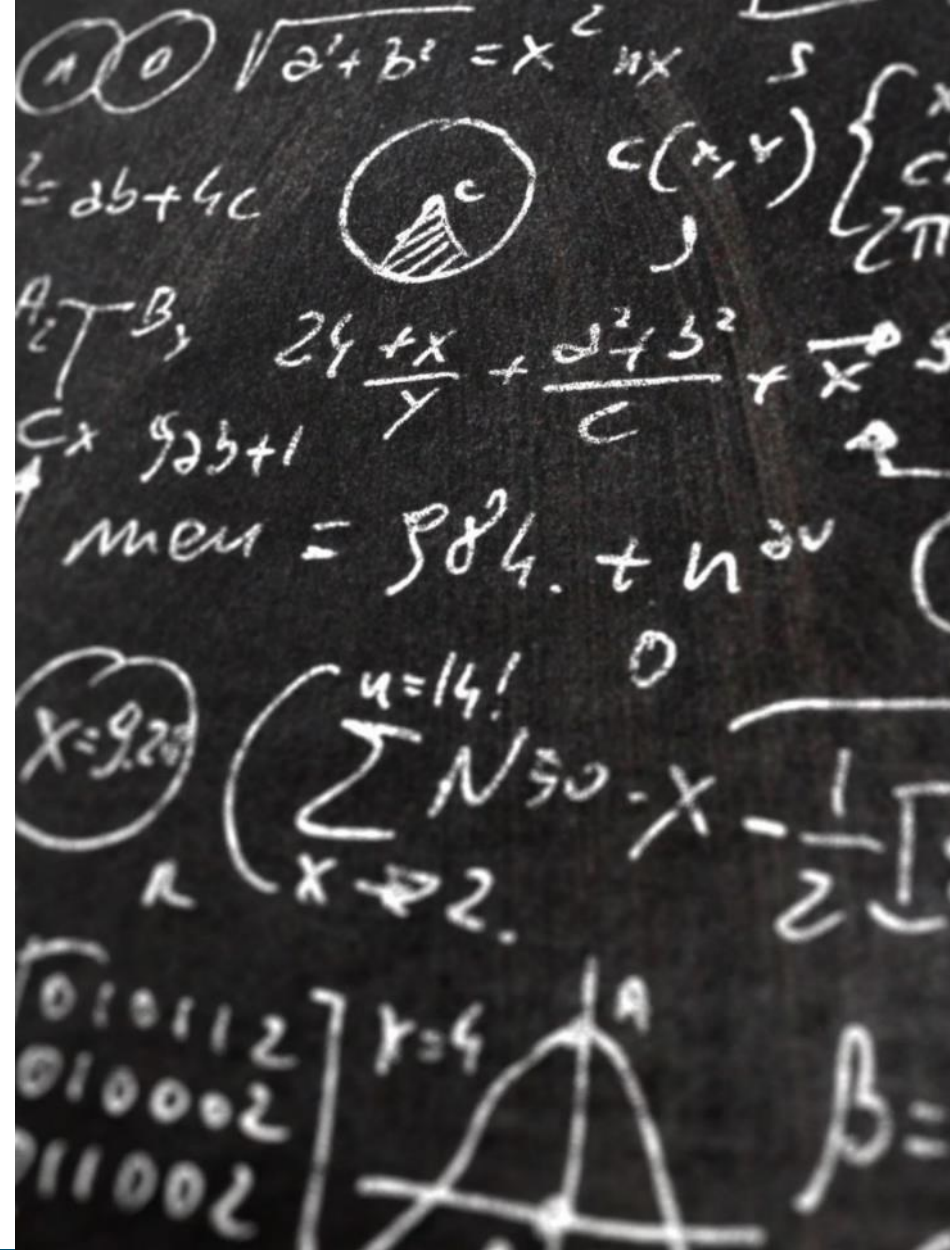
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MIGS PhD Programmes

- Algebra, Geometry and Topology PhD
- Analysis PhD
- Applied and Computational Mathematics PhD
- Mathematical Physics PhD
- Mathematics Education PhD
- Optimization and Operational Research PhD
- Probability and Stochastics PhD
- Statistics PhD

All available either with or without internship, and either full time (4 years) or part time (8 years)



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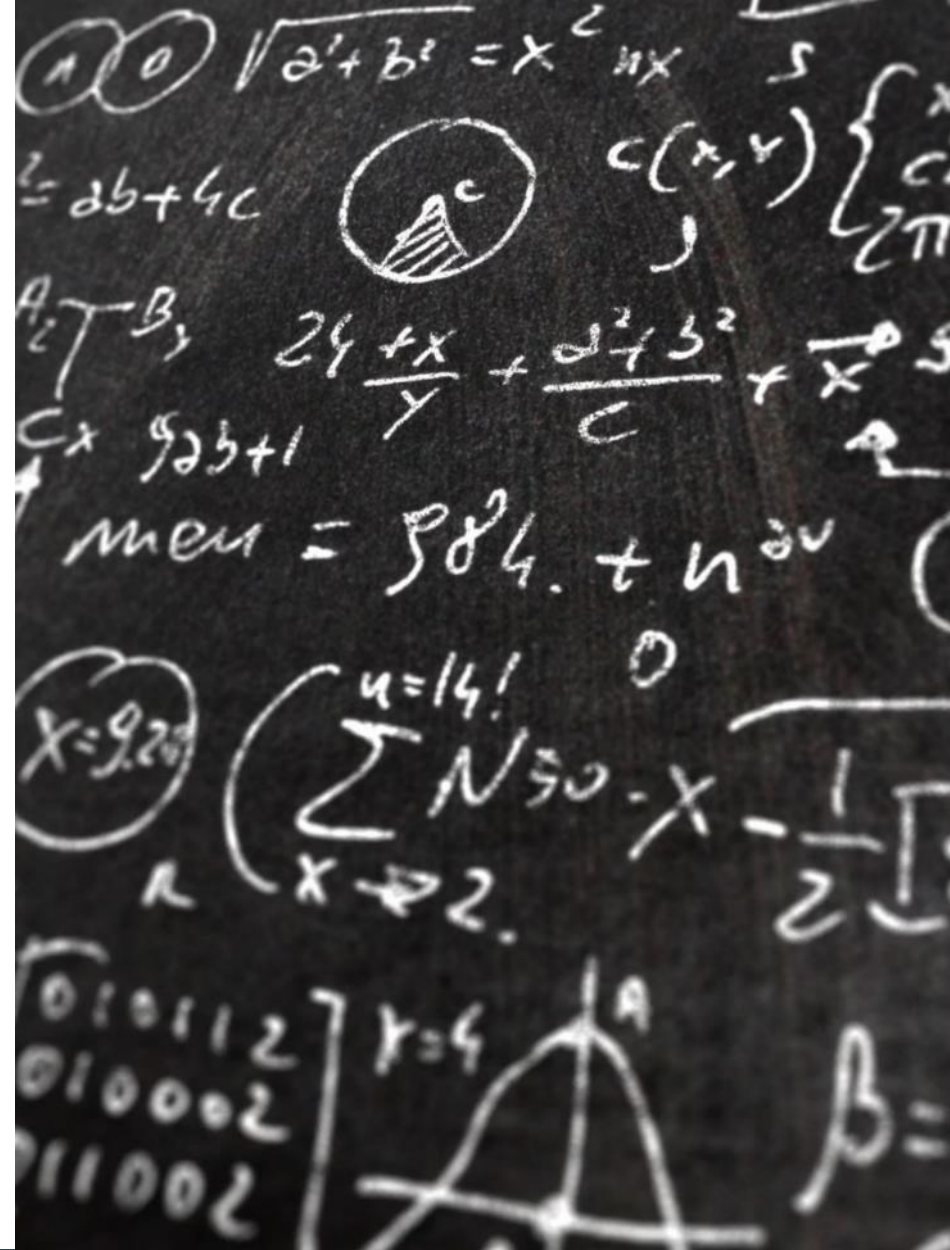
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EPSRC Centre for Doctoral Training PhD Programme

- Algebra, Geometry and Quantum Fields PhD with integrated study
- More details on the [AGQ CDT website](https://www.ed.ac.uk/agt/graduate)
- [Intro video - https://edin.ac/4ezfiVz](https://edin.ac/4ezfiVz)



Algebra
Geometry &
Quantum Fields



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Application process

- Apply for the programme which corresponds to your research interest
- Academic entry requirements – [international equivalents](#)
- [English language requirements](#)
- Required documents- depending on stage of study, interim or final degree transcripts, degree certificate (if available), email addresses of two academic referees, English language certificate (if applicable), a CV.
- No need for a research proposal (other than for Mathematics Education applicants).
- Applications must be submitted via [Degree Finder](#)
- Applications to the AGQ CDT and Algebra, Geometry and Topology PhD programmes must be submitted via the [AGQ website](#)



Structure and training requirements

- Programmes are 4 years in length with year to write-up, will receive 4 years of funding if offered funded place
- Training to expand and enhance mathematical knowledge
- Personal/ career development training streams-
 - Industry
 - Teaching
- Annual reviews to be completed each year



Funding opportunities

- Several funding opportunities available each year -
 - School
 - EPSRC
 - University (i.e. EDCS)
 - China Scholarship Council
- Martingale Scholarship
- Self-funded
- Deadline in order to be considered for funding- Monday 20 January 2025



Life in Edinburgh

- Edinburgh is a compact city with excellent transport links making it easy to get around the city and to travel around Scotland
- SoM is world-leading department covering almost all aspects of pure and applied mathematics, operational research and statistics as well as mathematics education
- The School has a welcoming and inclusive community that facilitates the opportunity for people to meet and grow together (coffee mornings etc.)
- ICMS conferences and workshops
- A PhD in mathematics can lead to a choice of career paths. We will teach you the skills required to carry out excellent research and the transferrable skills to help you develop within your chosen career path



I'm now going to hand over to a couple of our students to tell you about themselves....



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Xell Brunet Guasch

- BSc in Mathematics and Biology at University of Edinburgh
- MSc in Mathematical Sciences at University of Oxford
- PhD in Mathematical Modelling, Analysis and Computation under supervision of Tibor Antal and Michael Nicholson (both in the School of Maths at UoE), Ian Tomlinson (Oxford Nuffield Department of Medicine) and Kamila Naxerova (Harvard Medical School). Xell is part of the MACMIGS CDT.



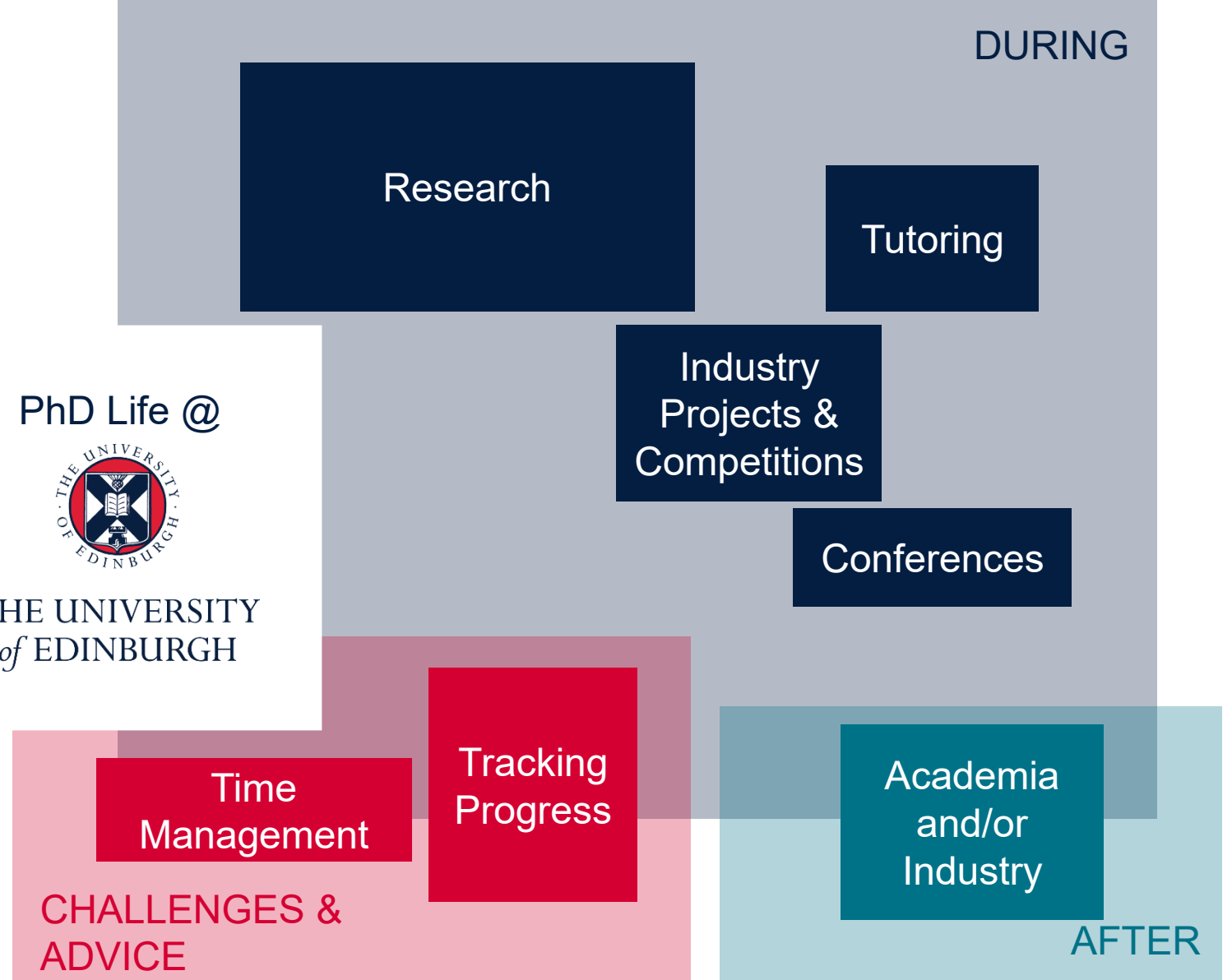
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Bárbara Rodrigues

- BSc degree in Mathematics at NOVA Lisbon University
- MSc in Operational Research at University of Edinburgh
- PhD in Optimization & Operational Research under supervision of Miguel Anjos





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Q&A

Type your questions into the chat area

Next steps...

<https://virtualvisits.ed.ac.uk/pg>



<https://edin.ac/student-chat-pg>



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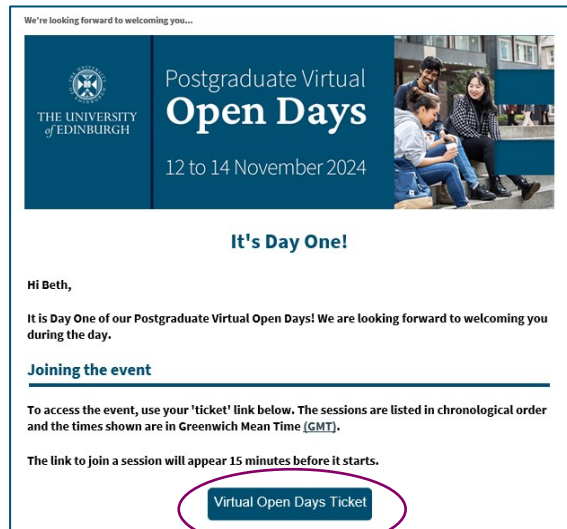
Contact details for follow-up questions

- We apologise if we did not get through all of your questions in the time allotted for this session. If you have further questions that have not been answered, please email pgresearch@maths.ed.ac.uk and we'll get back to you.

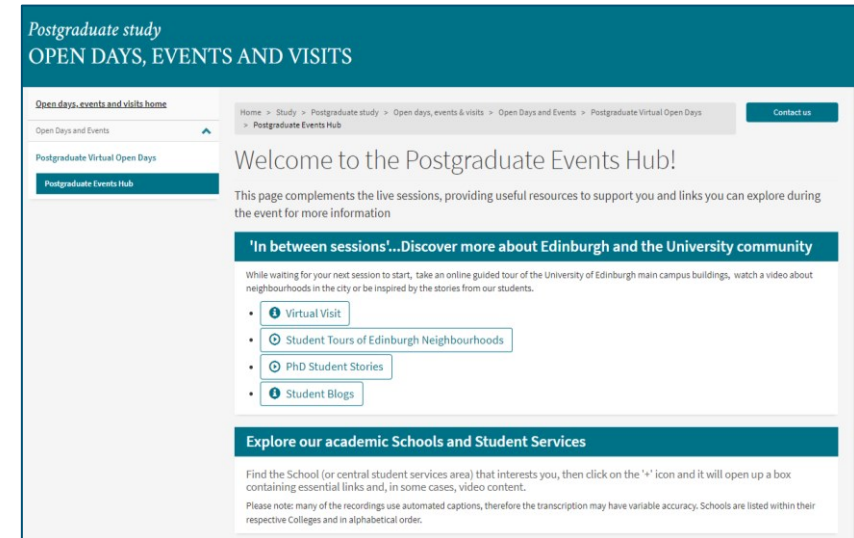


Thank you – click ‘Leave’ when the session ends

- Return to your ‘e-ticket’ to find and attend other sessions you’ve booked – by clicking on the button in the email we sent you...



- ...and visit the events hub:
- <https://edin.ac/4gZuP3G>



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Thank you

Graduate School email:

pgresearch@maths.ed.ac.uk