

EVENTS AIMED AT PROSPECTIVE STUDENTS

Inform yourself...

... on our webpages

www.math.uni-hamburg.de/master

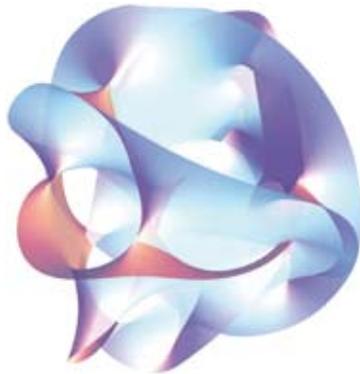
- about details of the course
- to get a picture of our research

... at our open days

Presentations about Mathematical Physics are part of the events in the Mathematics and Physics department. For dates and venues consult www.unitage.de

... at job fairs

The Masters courses of the Mathematics Department are presented at various job fairs. Come and visit us – we are happy to advise you.



Contact

University Hamburg
School of Mathematics, Informatics
and Natural Sciences

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<http://zmp.desy.de>

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Mathematics · Bundesstr. 55



www.math.uni-hamburg.de/master/mphys

At the interface

Masters in Mathematical Physics



Universität Hamburg

You can find all current dates and
information about events at
www.math.uni-hamburg.de/master
Events related to Mathematical Physics
are posted on zmp.desy.de

MATHEMATICAL PHYSICS IN HAMBURG

MATHEMATICAL STRUCTURES FOR THEORIES OF MATTER AND SPACE TIME



Mathematical Physics – What is that?

The rapid progress in Physics and Mathematics in recent decades has often had its roots in the interaction of these two disciplines. The same can be said for many current applications: On the one hand our increasingly complex theories of the physical world need deep and often new - or even yet to be developed – areas of Mathematics. On the other hand, physical theories such as quantum mechanics or string theory have raised questions which have had enormous impact on the development of mathematics, in particular for so-called 'pure' mathematics.

Studying in Hamburg

The Masters in Mathematical Physics is offered by the Mathematics and Physics Departments. The choice of course options is further enhanced by leading theorists at the German Electron Synchrotron (DESY).

Students with a Bachelors degree in Mathematics or Physics will receive an interdisciplinary and research oriented education in Mathematical Physics. The Centre for Mathematical Physics (ZMP) further contributes to our active research environment.

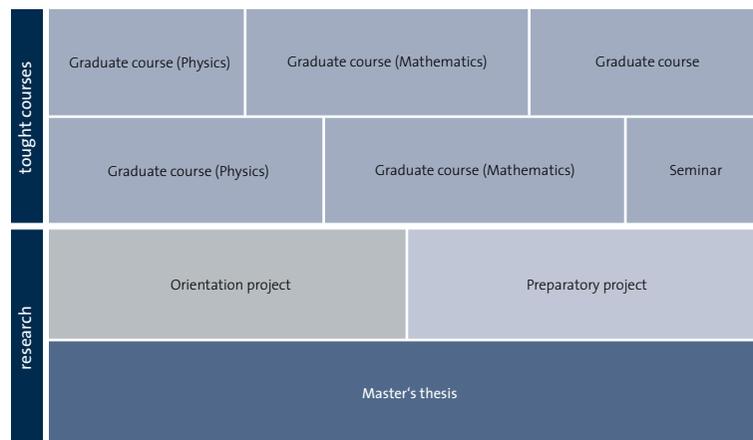
Masters in Mathematical Physics

The degree course is intended for graduate students (for example those with a Bachelors degree) in Mathematics or Physics and offers a research oriented, interdisciplinary education. You can choose whether you want the focus of your studies to be more on the mathematical or physical aspects of the course.

Organisation of the Course

The course is divided in two parts. During the first year you will enrich and deepen your understanding of Physics and Mathematics by attending taught courses and seminars. The second year is research oriented, culminating in the Masters thesis. During this time you will be integrated closely into one of the research groups at the Mathematics or Physics Department or at DESY's Theory Division.

Structure of the program



Job prospects with a Masters in Mathematical Physics

Mathematical Physicists do research at the interface of Mathematics and Physics. The whole spectrum of jobs accessible to mathematicians and theoretical physicists is open to them. This includes fundamental research in an academic or industrial environment as well as working in software development or the financial sector.

Whenever an application requires complex mathematical methods, mathematical physicists are in demand. They understand the abstract mathematical structures and have much experience in applying them to concrete problems. They are also used to working in interdisciplinary teams with other scientists.

Application and start dates:

Application information can be found at www.math.uni-hamburg.de/master

Application

www.uni-hamburg.de/studierendenzentrum

Applications must be received between

1 June – 15 July or
1 December to 15 January.
Admission is either for the winter term or for the summer term.

