

PROGRAMS

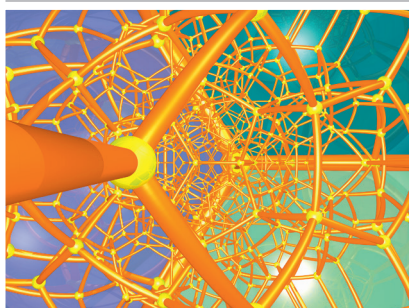
MATHEMATICS

JOINTLY OPERATED BY ENS DE LYON – UNIVERSITÉ CLAUDE BERNARD LYON 1

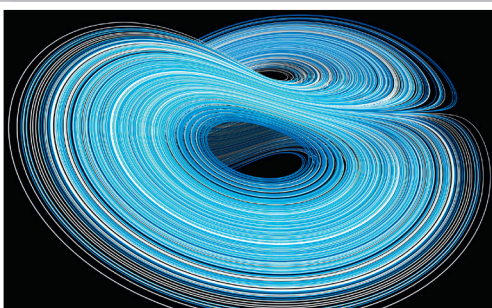
<http://mathematiques.ens-lyon.fr/>

BASED ON SPECIFIC RESEARCHED-BASED TRAINING, THIS COURSE PROVIDES STUDENTS WITH A GOOD GENERAL CULTURE BEFORE SPECIALISING IN ONE OR SEVERAL AREAS OF MATHEMATICS. THIS PROGRAM LEADS TO CAREERS IN TEACHING AND RESEARCH.

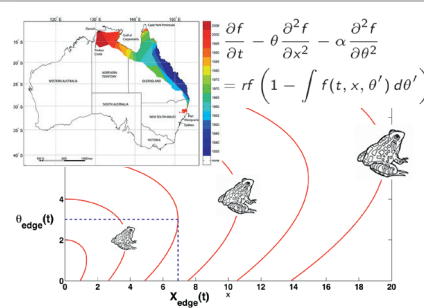
- Students attend scientific seminars and participate in lecture groups.
- The training takes place at the Mathematics laboratory, all students work closely with the researchers.
- Tutoring is ensured by the researchers and teacher-researchers from the laboratory. There are internships in France and abroad through-out the program, enabling each student to progressively discover the world of research.
- Excellent researched based training, with an international focus including internships or 6-month study periods abroad.



Hyperbolic space tessellation



Lorentz Attractor



Modeling of invasion of buffalo toads

TRAINING OFFER

The teachers of ENS de Lyon, from University Claude Bernard Lyon 1 and Joseph Fourier University in Grenoble all work on this program.

• BACHELOR'S DEGREE (L3)

Designed as a pre-Master's, this program gives students solid skills and means that they can also follow training in other disciplines.

• MASTER'S 2 (M2)

- **Advanced Mathematics program:** following a 4-month internship in a fundamental or applied research laboratory this Master's leads to doctoral studies

- A choice of 4 programs around the main topics in Mathematics (Algebra, Arithmetic, Logic, Geometric, Topology, Analysis, EDPs, Scientific calculation, Probability, Statistics)
- Depending on each student's scientific project, this M2 program can be completed in another university centre

- **FEADÉP program:** (Teaching Training, the French Agrégation in Mathematics and Professional Development): preparation for the agrégation for students wishing to teach higher education preparatory classes or complement a basic training course.

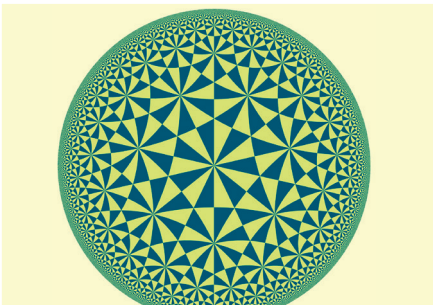


Université Claude Bernard  Lyon 1

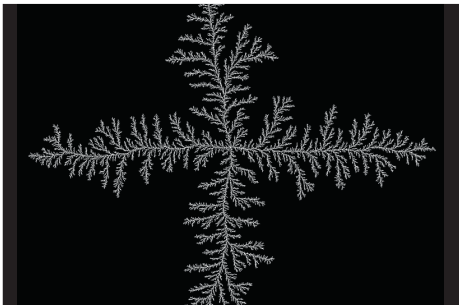


ADMISSION

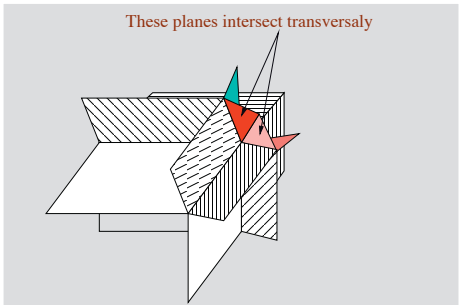
ADMISSIONS THROUGH PUBLIC SELECTION PROCESS: Compulsory inscription for the ENS de Lyon diploma ENS PUPIL WITH CIVIL SERVANT STATUS	ADMISSIONS BASED ON STUDENT RECORDS FOR THE ENS DE LYON DIPLOMA ENS STUDENT STATUS	ADMISSIONS BASED ON STUDENT RECORDS FOR A MASTER'S NON-DEGREE SEEKING STUDENTS
<ul style="list-style-type: none"> • 1st competitive entrance exam: for 3rd year degree course students (L3) or 1st year Master's student (if admitted in 2nd year of the diploma) • 2nd competitive entrance exam: university students having validated their final degree year (L3). 	<ul style="list-style-type: none"> • For final year degree students (L3) or 1st year Master's student (if admitted in 2nd year of the diploma) • Examination of the application for potential students by ENS de Lyon's admission commission • Criteria for selection: quality of the application, motivation and personal project of the candidate and relevance of this project to the content of the course 	<ul style="list-style-type: none"> • 1st year or 2nd year Master's • Examination of the application for potential students by ENS de Lyon's admission commission • Criteria for selection: quality of the application, motivation and personal project of the candidate and relevance of this project to the content of the course



Fuchsian group action



Diffusion-limited aggregation



Interaction of non-linear plane waves

REGISTRATION PROCESS

INCLUDING INTERNATIONAL STUDENTS

www.ens-lyon.fr/formation/admission

FIND OUT MORE ABOUT THE PROGRAM

<http://mathematiques.ens-lyon.fr/>

CAREER OPPORTUNITIES

- Doctoral thesis
- Research and higher education
- High school teacher or higher education preparatory classes
- Senior branch of the French civil service (Mines, INSEE, IPEF ...)
- Other opportunities (possible to do dual program in Maths-Engineering)

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