

Francesco Florian

Curriculum Vitae

Education

- 2016–2018 **Master in mathematics**, *Università degli studi di Udine*.
- 2017 **Master in mathematics**, *Université Pierre et Marie Curie (from 2018 Sorbonne université)*.
- 2015–2016 **Bachelor in mathematics**, *Università degli studi di Udine*.
- 2013–2015 **Bachelor in mathematics**, *Università di Pisa*.
- 2013–2015 **Bachelor in mathematics**, *Scuola normale superiore, Pisa*.

Bachelor thesis

- Title L'esponenziale di matrice: teoria, calcolo e applicazioni
- Advisor Prof. Dario Fasino
- Description Numeric computation of matrix exponential and applications to complex networks

Master thesis

- Title Numerical computation of the basic reproduction number in population dynamics
- Advisor Prof. Dimitri Breda
- Co-advisor Prof. Jordi Ripoll
- Co-advisor Prof. Toshikazu Kuniya
- Description Basic reproduction number: definition, numerical computing, applications to biological models
- Keywords Basic reproduction number, Population dynamics, Numerical approximation, Spectral radius, Compact operators

Experience

Miscellaneous

- 2014 **Linux system and network administration**, *Scuola normale superiore, Pisa*.
Computer room and students' network maintenance

Awards

- 2017 South-western European regional competition: 34th place

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Computer skills

Advanced C++, Matlab/Octave, \LaTeX , CMake
Medium C, Bash, Git, Linux system administration
Fundamentals Elisp, PHP, CSS, Python, HTML, SQL, (Multi)Markdown, MPI
Known Qt, Gnu Scientific Library
libraries

Languages

Italian **Mother language**
French **Very good**
English **Good**