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Simon Foucart

Personal Details

Marital status: *Single*

Nationality: *French*

Date of birth: *14/11/1977*

Education

2001 − 2005   **Numerical Analysis Group, Cambridge University, U.K.**

Ph.D. in approximation theory, under the supervision of Dr. Alexei Shadrin. Member of Trinity Hall.

2000 − 2001   **Cambridge University, U.K.**

Certificate of Advanced Study in Mathematics (Part III of the Math. Tripos) with ***Distinction***. Main topics: approximation theory, functional analysis and Banach algebra, dynamical systems and chaos, category theory.

1998 − 2001   **Ecole Centrale Paris, France**

Diplôme d'Ingénieur des Arts et Manufactures. (Masters of Engineering).

1998 − 1999   **Université de Paris VI, France**

Licence de mathématiques, with Mention ***Bien.***

1995 − 1998   **Lycée Kléber, Strasbourg, France**

Classes préparatoires. Superior scientific courses preparing for the entrance examinations to the Grandes Ecoles, highly selective engineering universities.

1995   **Lycée Kléber, Strasbourg, France**

Baccalauréat série S, with Mention ***Très Bien.*** Equivalent of straight A's at the A-levels.

List of publications

S. Foucart. On the best conditioned bases of quadratic polynomials. *Journal of Approximation Theory*, Vol. 130/1, pp 46-56, 2004.

S. Foucart. Interlacing property for B-splines. *Journal of Approximation Theory*, Vol. 135/1, pp 1-21, 2005.

S. Foucart. On the value of the max-norm of the orthogonal projection onto splines with multiple knots. Submitted to *Journal of Approximation Theory*.

Reviewer for *Mathematical Reviews* since 2005.

Work experience	**2003 − 2005** **Cambridge University, U.K.**

Work experience

2003 − 2005   **Cambridge University, U.K.**

Supervised first and second year mathematical students on subjects including differential equations, probability, numbers and sets, dynamics, numerical analysis.

1999-2000   **Ecole Nationale de Commerce, Paris**

Oral examiner in mathematics. Prepared small groups for the entrance examinations to the economic Grandes Ecoles.

2000 (Jul.)   **Technical University, Ostrava, Czech Republic**

Computed a waste management program for a Vivendi thermal power station, using Excel.

1999 (Jul.-Aug.) **Lightning International Pty Ltd, Melbourne, Australia**

Practical work experience in Lightning International Pty Ltd, a factory producing cloth-cutting machines.

Languages

- **French**: mother tongue
- German and Spanish: basic knowledge

Activities

Team Handball

- Treasurer of the Cambridge Handball Club, member of the first team (British Cup semi-finalists 2005).
- Former captain of the Ecole Centrale Paris first team.

Gymnastics

- Member of the Cambridge University team. Selected for the Varsity matches against Oxford University since 2001. Winner in 2004.
- Former president of the Ecole Centrale Paris gymnastics club.
- Former member of the Forbach high-level centre (France, 1986-1990).

Trampolining

Former member of the Cambridge University team. Selected for the Varsity matches against Oxford University in 2001 and 2002.