

Ahmed Blidia

PhD Student

FJT, 3 rue Soutrane
06560 Valbonne
France

+33 758731450

✉ ahmed.blidia.math@gmail.com

Research

Am a PhD student in applied mathematics at the institute INRIA Sophia Antipolis Méditerranée in France. My supervisor: Bernard Mourrain. Research interests:

- Approximation theory.
- Shape modeling.
- Algebraic Geometry

Education

- 2016–now **PhD: Geometric continuity and applications**, Inria Sophia Antipolis Méditerranée, France.
- 2015–2016 **Master 2: Algebra and geometry**, University Sophia Antipolis, Nice.
- 2014–2015 **Master 1: Geometry**, University of sciences and technology Houary Boumedienne, Algiers.
- 2013–2014 **License 3: Algebra and cryptography**, University of sciences and technology Houary Boumedienne, Algiers.
- 2012–2013 **License 2: Algebra and cryptography**, University of sciences and technology Houary Boumedienne, Algiers.
- 2011–2012 **License 1: Mathematic and computer sciences**, University Saad Dahleb of Blida, Blida.

Master thesis

- title *Free projective plan curves*
- supervisors Alexandru Dimca

Languages

- English
- Arabic
- French

Computer skills

Singular, Maple, the C programming language, Julia

Publications

Blidia, A., Mourrain, B., Villamizar, N. (2017). *G1 -smooth splines on quad meshes with 4-split macro-patch elements*. *Computer Aided Geometric Design*, 52–53, 106–125. <https://doi.org/10.1016/j.cagd.2017.03.003>

Other activities

Presentation at:

- **GMP April 17-19, 2017, Xiamen, China:** Smooth Splines on Quad Meshes with 4-split Macro-patch Elements,
- **IGA Septembre 11-13, 2017 PAVIA, ITALIE:** Spline functions on manifolds of arbitrary topology for Isogeometric Analysis