Thomas Raujouan

Curriculum Vitae

Institut für Differentialgeometrie
Welfengarten 1
30167 Hannover, Germany
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Personal Details

Date of Birth October 17th, 1991.
Nationality French.

Research Interests

I am working in the field of Differential Geometry, focusing on constant mean curvature surfaces. I use Weierstrass-type representations coming from Integrable Systems methods to construct new examples of minimal and CMC surfaces in various homogeneous spaces and study some of their global properties such as embeddedness or Willmore energy.

Education

2019 **Ph.D. in Mathematics**, *University of Tours*, France.
Title: Constant Mean Curvature Surfaces in Euclidean and Hyperbolic Spaces.
Advisor: Martin Traizet.

2015 **Agrégation externe de mathématiques**, *University of Tours*, France.
National teaching qualification.

2015 **Master's degree in Mathematics**, *University of Tours*, France.
Master thesis: CMC-1 Surfaces in Hyperbolic Space

2013 **Bachelor of Science**, *University of Tours*, France.
Mathematics.

2013 **Bachelor of Arts**, *University of Tours*, France.
Philosophy.

Work Experience

2020–2021 **Postdoctoral Position**, *University of Hanover*, Germany.
Research.

2019–2020 **Postdoctoral Position**, *University of Tours*, France.
Teaching and Research.

2015–2019 **Teaching Assistant**, *University of Tours*, France.
Undergraduate level.

Publications

2. T. Raujouan, *Constant Mean Curvature n-noids in Hyperbolic Space*. Accepted for publication in Comm. Anal. Geom. (2020).
1. T. Raujouan, *On Delaunay Ends in the DPW Method*. Indiana Univ. Math. J. **69** (2020), 2365-2393.

Invited Talks

Oct. 2020 *Construction of complete embedded CMC surfaces in space forms*. **Research Seminar**, Hanover, Germany.

Dec. 2019 *Construction of embedded n-noids in hyperbolic space*. **3rd International Workshop – Geometry of Submanifolds and Integrable Systems**, Osaka, Japan.

Sep. 2019 *Constant Mean Curvature n-noids in Hyperbolic Space*. **Minimal Surfaces: Integrable Systems and Visualisation**, Leicester, UK.

Oct. 2018 *Étude des bouts Delaunay par la méthode DPW*. **Séminaire de géométrie**, Tours, France.

Nov. 2016 *Construction de surfaces à courbure moyenne constante*. **Journée des doctorants**, Orléans, France.

Administrative Charges

2015–2019 **Representative for the Ph.D. students**, *University of Tours*, France.

2015–2016 **In charge of the Ph.D. Students Seminar**, *University of Tours*, France.

Language Skills

French Native speaker.

English Very good command.

German Basic communication skills.

Computer Skills

Scientific Sotwares Maple, Mathematica, Mathlab, Scilab, R.

Programming Language Python.

Office Softwares OpenOffice, LaTeX.