José Miguel Balado-Alves

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Webpage link here

EDUCATION

Ph.D. in Mathematics   Oct. 2022 – XXX
University of Münster   Münster, Germany

- Supervisor: Anna Siffert

Master's Degree in Mathematics   Sep. 2020 – July 2021
University of Santiago de Compostela   Santiago de Compostela, Spain

- Thesis: Variedades de Riemann isocurvadas (in Spanish). Grade: 10/10
  Supervisor: Eduardo García-Río

Bachelor's Degree in Mathematics   Sep. 2016 – July 2020
University of Santiago de Compostela   Santiago de Compostela, Spain

- Thesis: Derivadas de Lie: Transformaciones infinitesimales (in Spanish). Grade: 10/10
  Supervisor: Eduardo García-Río

PUBLICATIONS

[1]   J. M. Balado-Alves. "Explicit harmonic self-maps of complex projective spaces". In: *The Journal of Geometric Analysis* 34.1 (2024), p. 21.

[2]   J. M. Balado-Alves and A. Siffert. "Construction of r-harmonic submanifolds in spheres". In: *arXiv preprint arXiv:2404.02535* (2024).

[3]   J. M. Balado-Alves. "Polyharmonic hypersurfaces into complex space forms". In: *arXiv preprint arXiv:2310.14452* (2023).

[4]   J. M. Balado-Alves. "Variedades de Riemann isocurvadas". In: *Publications of the Department of Geometry and Topology, University of Santiago de Compostela.* 152 (2022).

SELECTED TALKS

"Critical submanifolds of higher order energy functionals"   February 2024
Seminar, University of Cagliari (Italy)

"Explicit harmonic self-maps of complex projective spaces"   September 2023
Differential Geometry Workshop, University of Iași (Romania)

"Recíproco del Teorema Egregium"   April 2021
Seminar, University of Santiago de Compostela (Spain)

SCHOLARSHIPS AND AWARDS

"Mellores expedientes"   2016
Award to the bests academic records from University of Santiago de Compostela

Summer School in Dublin, Ireland   2018
Grant awarded to pay for an intensive course on Irish culture and language

RESEARCH VISITS

University of Cagliari   February 2024

Teaching Experience

Co-supervisor of Manuel Stasius's Bachelorarbeit Winter Semester 2023
Bachelor thesis about "Minimal Surfaces" University of Münster

Assistant for "Ricci FLow" Summer Semester 2024
Seminar University of Münster

Assistant for "Submanifold theory" Summer Semester 2024
Seminar University of Münster

Languages

Spanish and Galician: Native

English: Advanced (C1)

German: Beginner (A2)

Organizer of

Differential Geometry Seminar Winter Semester 2023
Local seminar for Ph.D. students University of Münster

Differential Geometry Seminar Summer Semester 2024
Local seminar for Ph.D. students University of Münster

Outreach

Outreach talk for kids with ADHD October 2020
"¿Para qué sirven las matemáticas?" INGADA Fundation