Joshua Jordan

Curriculum Vitae

Department of Mathematics
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Education

2017–2023 **PhD in Mathematics**, *University of California, Irvine*, Irvine, CA
Thesis title: *Pluriclosed flow and generalized geometry*
Advisor: Prof. Jeffrey Streets

2013–2017 **BSc in Mathematics and Physics**, *Wright State University*, Dayton, OH

Appointments

2023–2026 **NSF-RTG Postdoctoral Scholar**, *University of Iowa*
Grant DMS-2038103. Conducting research on fully nonlinear partial differential equations on Hermitian manifolds under Prof. Hao Fang. Instructing introductory undergraduate courses including Calculus and Linear Algebra.

2017–2023 **Teaching Assistant**, *University of California, Irvine*
Assisted with instruction for undergraduate courses including Elementary Real Analysis, Calculus, Advanced Linear Algebra, and Partial Differential Equations.

2017–2023 **Research Assistant**, *University of California, Irvine*
Studied intrinsic geometric flows on non-Kähler manifolds under Prof. Jeffrey Streets.

Publications

- Fang, H. & Jordan, J. "On canonical metrics of complex surfaces with split tangent and related geometric PDEs." To appear in *J. Reine Angew. Math.* doi:10.1515/crelle-2025-0021.

- Jordan, J. "Generalized geometry and pluriclosed flow." *UC Irvine. eScholarship*.

- Garcia-Fernandez, M., Jordan, J., & Streets, J. "Non-Kähler Calabi-Yau geometry and pluriclosed flow." *J. Math. Pures Appl.* 177 (2023) 329-367.

- Jordan, J. "A steady length functional for Ricci flow." *Proc. Amer. Math. Soc.* 149 (2021) 397-406.

- Jordan, J. & Streets, J. "On a Calabi-type estimate for pluriclosed flow." *Adv. In Math.* 366 (2020) Article 107097.