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Ravi is an Instructor in Department of Mathematics of Princeton University. He received his Ph.D. in 2021 at the University of Washington with advisors Gunther Uhlmann and Yu Yuan. His postdoctoral mentor is Alice Chang at Princeton. His research expertise is in PDEs including fully nonlinear elliptic PDEs without uniform ellipticity (sigma-k and special Lagrangian equations), as well as applied mathematics including numerical simulations and nonlocal operators with integrable kernels.

Title: Lagrangian mean curvature PDEs

Abstract:
We discuss recent developments in the analysis of PDEs which arise from the study of mean curvature of Lagrangian graphs.