

TEMPLE UNIVERSITY

Department of Mathematics

Analysis Seminar

Room 617 Wachman Hall

Monday, September 25th, 2023, 2:30 p.m.

*Liouville-type theorems for conformally
invariant PDEs*

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Abstract: In this talk, we discuss sharp conditions for Liouville-type theorems in conformally invariant elliptic PDEs. These equations, known as "nonlinear Yamabe equations", find their applications in studying conformal metrics on Riemannian manifolds. Based on recent joint work with Baozhi Chu and Yanyan Li (Rutgers).