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Siyuan is an Assistant Professor at McMaster University, Canada. He obtained his Bachelor from University of Science and Technology of China (USTC) in 2012, and Ph.D. from McGill University in 2017. He was then a Hill Assistant Professor at Rutgers University, New Brunswick, NJ from 2017 to 2019, and moved to McMaster in 2019. His research expertise is in geometric analysis, partial differential equations, geometric flows and general relativity.

Title: Interior C^2 estimate for Hessian quotient equations

Abstract:

In this talk, I will first review the history of interior C^2 estimate for fully nonlinear equations. I will then discuss my recent work on interior C^2 estimate for Hessian quotient equations and the main idea behind the proof.