Information for students in Math 80750, Fall 2022

Instructor: Qing Han, 276C Hurley, 631-6834, qhan@nd.edu

Class Location & Time: HAYE 125, 9:25-10:15am

References: Lecture notes will be distributed.

Syllabus: The correct title for this course should be "the asymptotic analysis of geometric PDEs near singularities". In particular, we will study two extreme cases, isolated singular sets and singular sets of codimension 1. Main topics include:
1. The Yamabe equation
2. Energy minimizing harmonic maps
3. Minimal surfaces in hyperbolic space
4. Kahler-Einstein metrics

Class Meeting ID: This is the university assigned zoom meeting ID. You can use this to attend the class remotely. I will use this if I need to teach remotely.
   Meeting Name: FA22-MATH-80750-01
   Invitation Link:
https://notredame.zoom.us/j/96540624566?pwd=OU9SWEp2Y2J3Y2NJNG9uME5iYTN4dz09
   Meeting ID: 965 4062 4566
   Passcode: 0850748134