

Graduate Student Seminar

Nov. 5th at 1 pm, Thackeray 704

Presenter: Scott Zimmerman

Abstract. This talk will contain a summary of the research that I have conducted while a graduate student at Pitt, and it will hopefully act as a trial run for my Overview. The topics that I will cover are as follows: the Sard theorem for Sobolev mappings, geodesics in the Heisenberg group, and the Whitney Extension Theorem for curves in the Heisenberg group. The proofs of these results will not be discussed in detail. Rather, I will provide the motivation for and history behind these problems along with a brief summary of the method of proof.