TOPICS IN GEOMETRIC MEASURE THEORY

Week 8

This week you will be working independently. I ask that you please review the previously assigned readings up to the material discuss in class on Wednesday November 10. Please bring questions to class on November 22. Furthermore please go over Aleksandrov's Theorem and Whitney's Extension Theorem in Evans and Gariepy. I suggest that you work in group(s).

- Read Chapters 22 and 23 in Maggi (previously assigned).
- Read Section 3 & Appendix A of the paper Two Phase Free Boundary Problem for Poisson Kernels, S. Bortz, M. Engelstein, M. Goering, T. Toro & Z. Zhao (previously assigned).
- Work through section 6.4 (Aleksandrov's Theorem) in Evans and Gariepy.
- Work through section 6.5 (Whitney's Extension Theorem) in Evans and Gariepy.