

I'm a second year PhD student in descriptive set theory, and my research centers around reductions by continuous functions. Assuming adequate determinacy hypotheses, I work on generalizations of the results obtained on the Wadge hierarchy of Borel subsets of the Baire space to larger topological classes, beginning with the differences of co-analytic sets and aiming to the description of the whole hierarchy of the  $\Delta_2^1$  subsets. I'm naturally also interested in the strength of (Wadge) determinacy hypotheses for the classes I'm considering.