

I'm a first year PhD student descriptive set theory, and my research centers around reductions by continuous function and Wadge hierarchy on the topological space Λ^ω , where Λ is a non-empty set. Given the work done by my supervisor Jacques Duparc for the borel sets, I try to generalize some interesting results to other topological classes with appropriate closure and determinacy, in order to get a very fine description of them. In particular, I'm studying Δ_2^1 sets under projective determinacy.