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Computability of prime ends and external rays impressions.

I will discuss the question of computability of impressions of computable prime ends and external rays for planar domains with computable complement. While a counterexample in general situation is relatively easy to construct, the dynamical example is much more delicate. I will explain how to find such an example in quadratic family. This is a joint work with C. Rojas and M. Yampolsky.