

5. Limits of Computational Agents

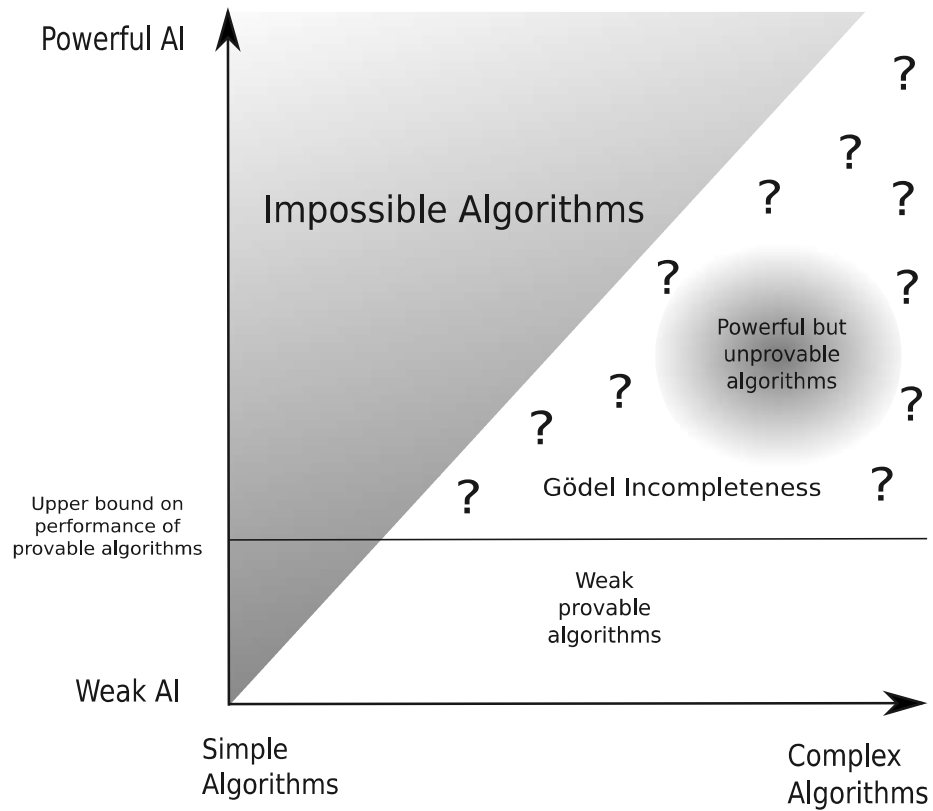


Figure 5.1.: Theorem 5.3.3 rules out simple but powerful artificial intelligence algorithms, as indicated by the greyed out region in the upper left. Theorem 5.6.1 upper bounds how powerful an algorithm can be before it can no longer be proven to be a powerful algorithm. This is indicated by the horizontal line separating the region of provable algorithms from the region of Gödel incompleteness.