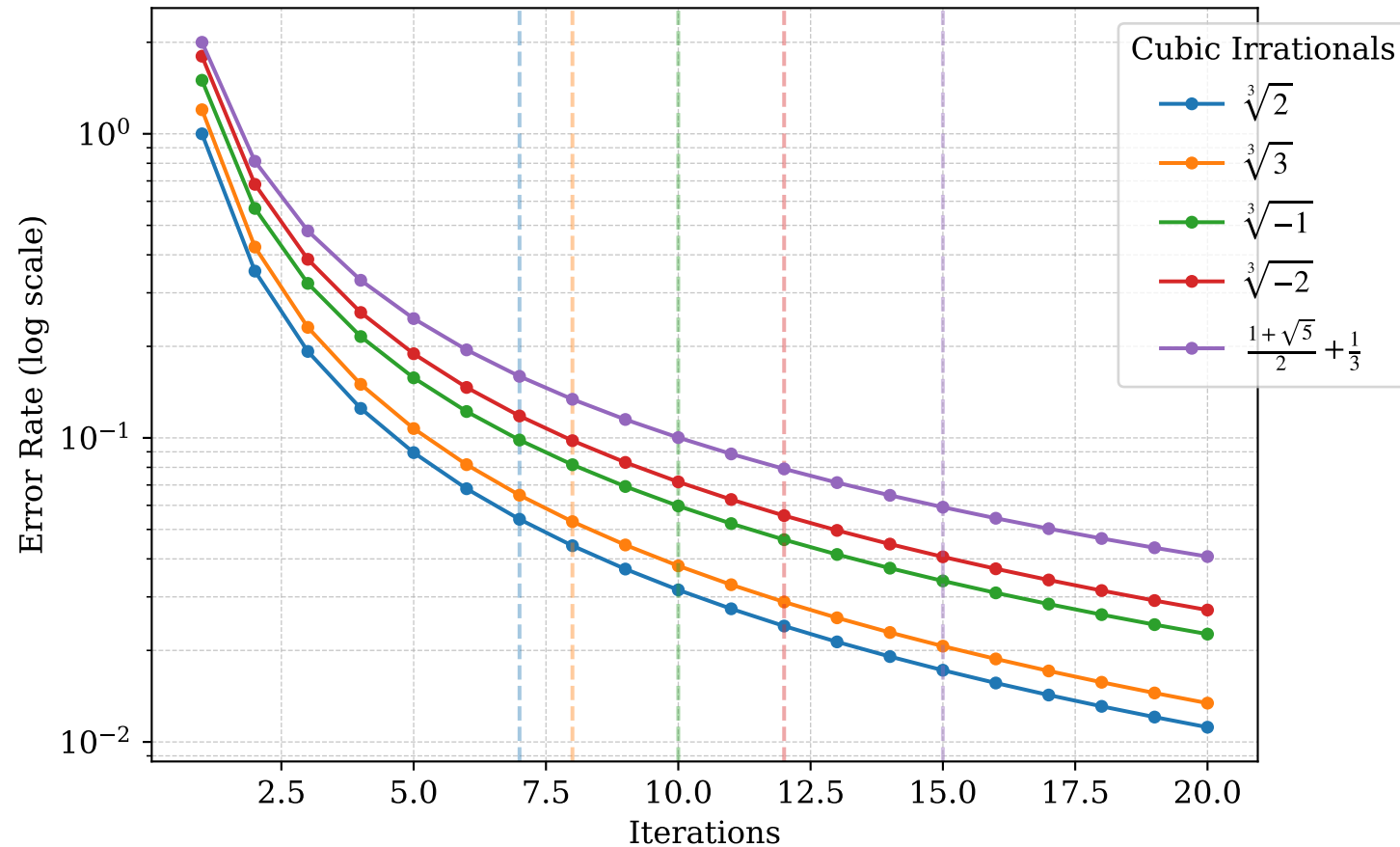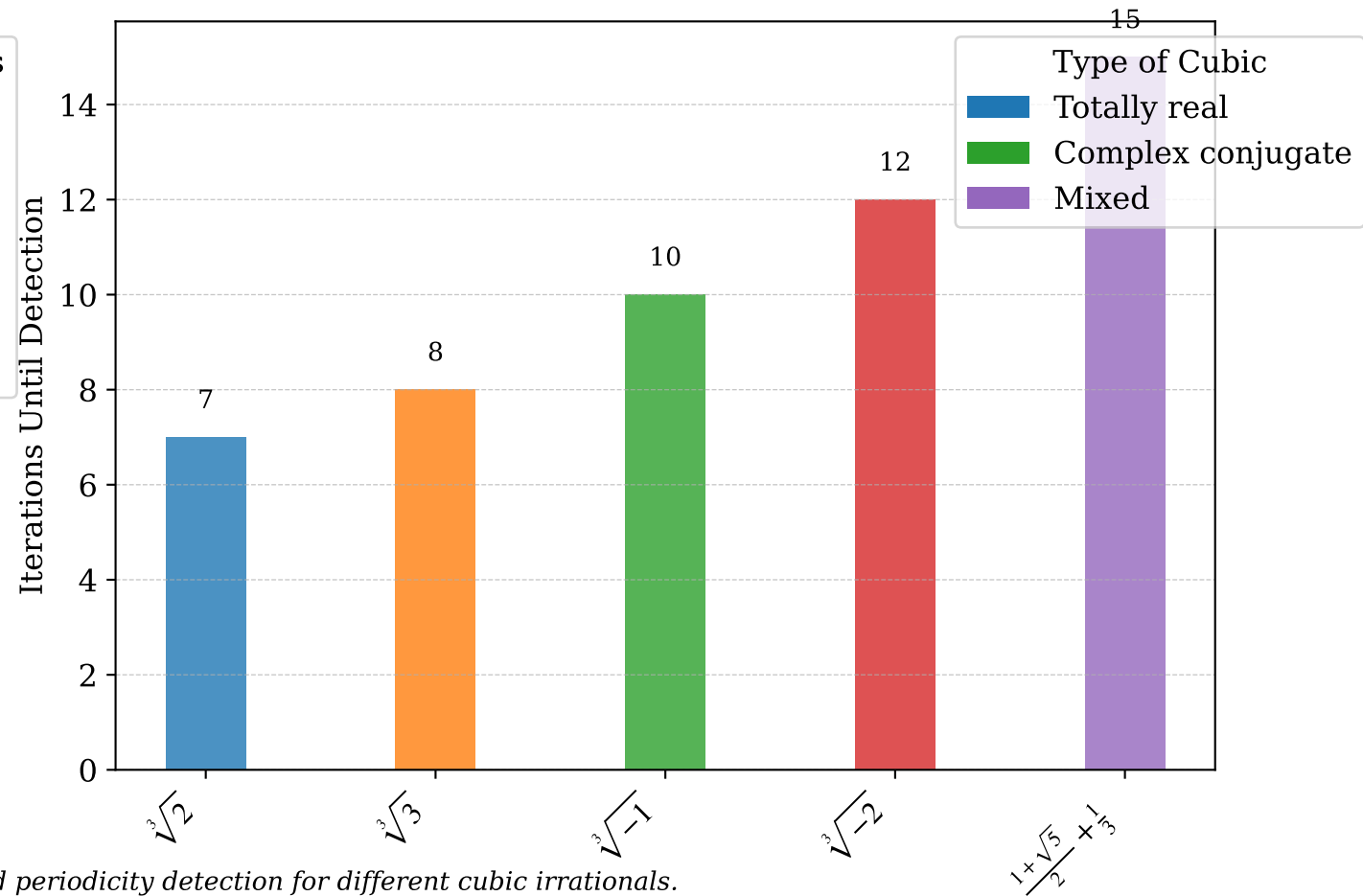# Comparative Analysis of HAPD Algorithm Performance

HAPD Algorithm Convergence Rates

Periodicity Detection Comparison

This visualization compares the convergence rates and periodicity detection for different cubic irrationals.
The dashed vertical lines indicate the iteration where periodicity is detected for each cubic irrational.