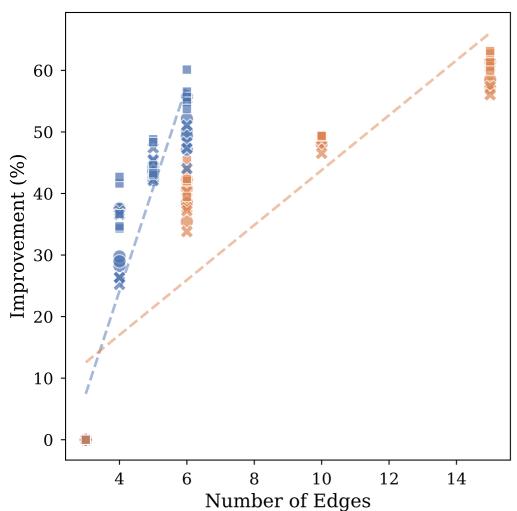Circuit Improvement by Number of Edges