

Performance Report

September 8, 2020

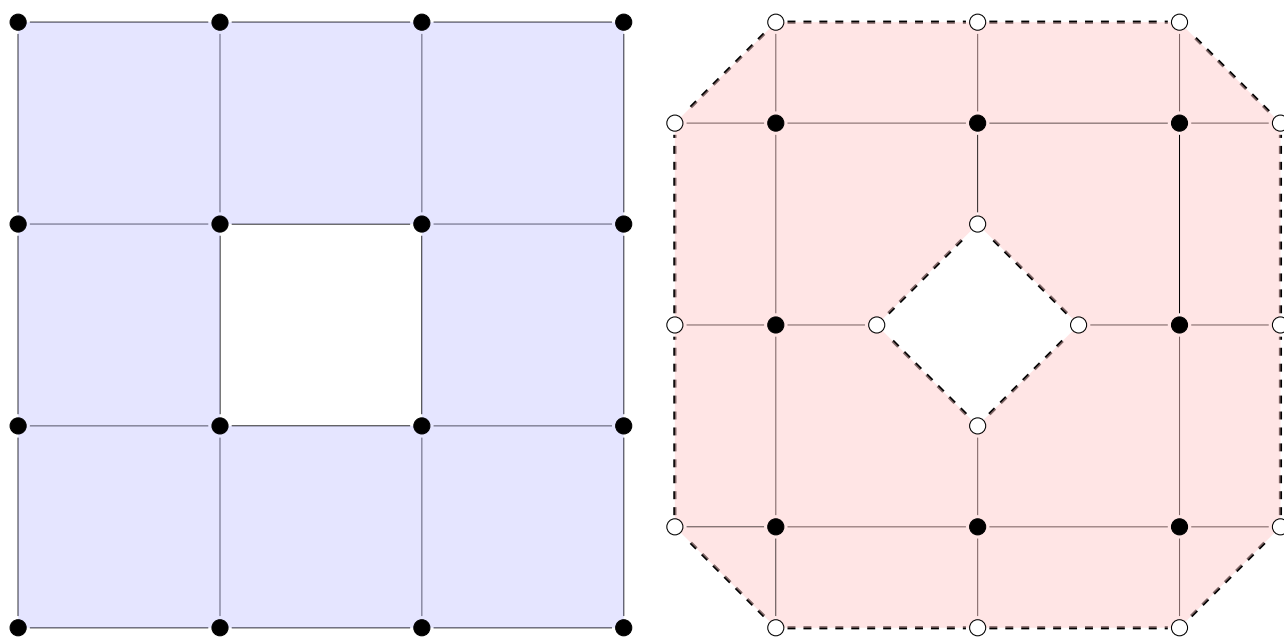


Figure 1: The tiling and its dual tiling

Number of physical qubits	$n = 24$
Number of logical qubits	$k = 1$
Overhead	$n/k = 24.00$

Table 1: Error-correction overhead

weight	number of Z -measurements
4	8
weight	number of X -measurements
2	4
3	8
4	4

Table 2: Measurements weight distribution

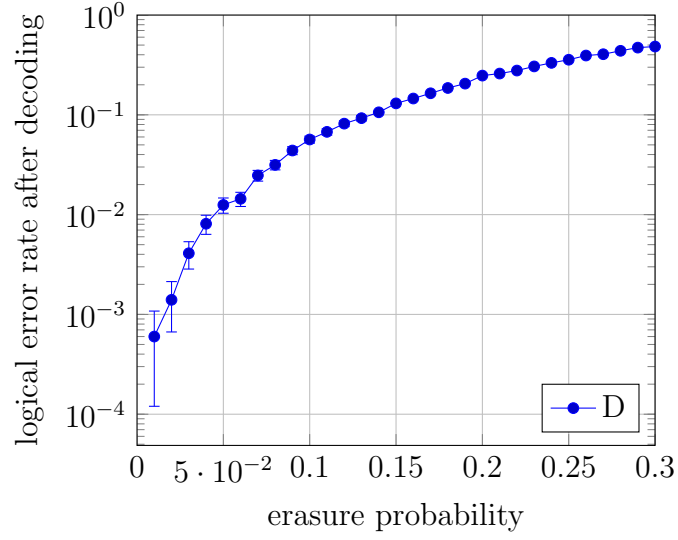


Figure 2: Logical error rate after decoding

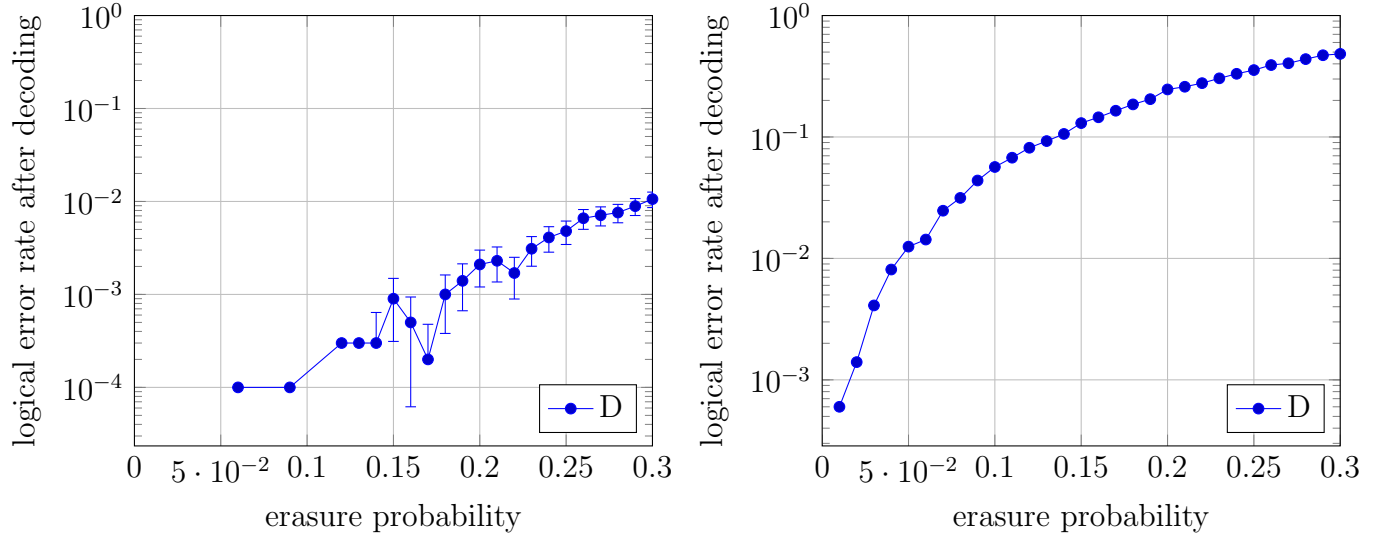


Figure 3: Left: Z-logical error rate after decoding. Right: X-logical error rate after decoding

Total simulation time: < 1 second.