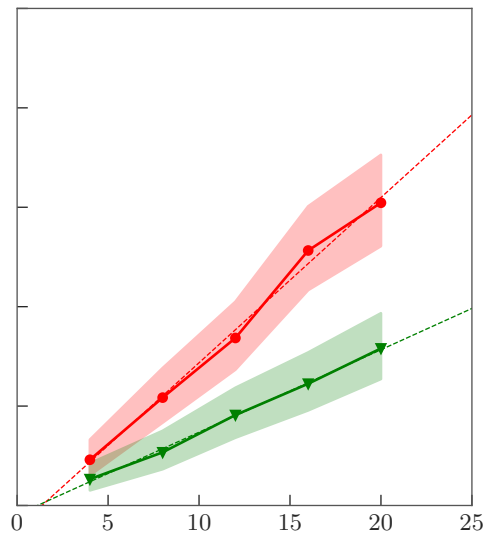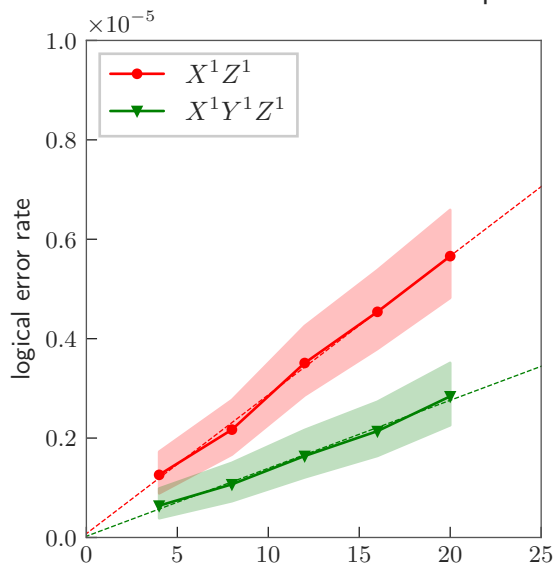Unbiased phenomenological noise

SD noise, p = 0.0005