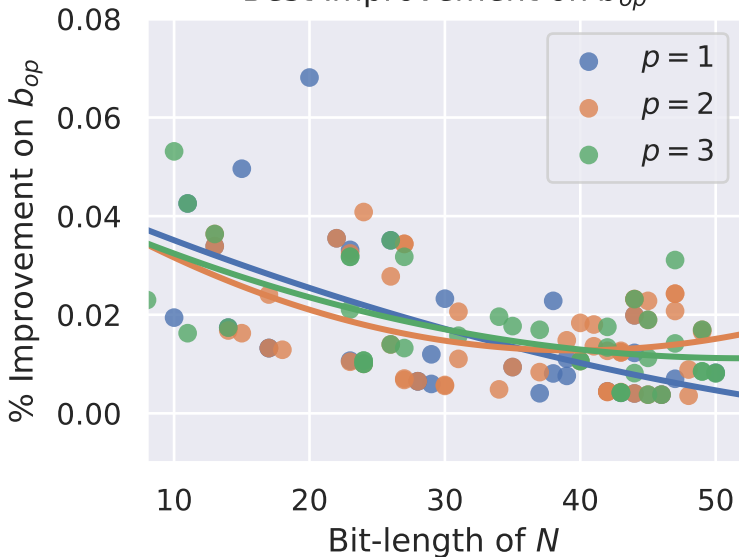
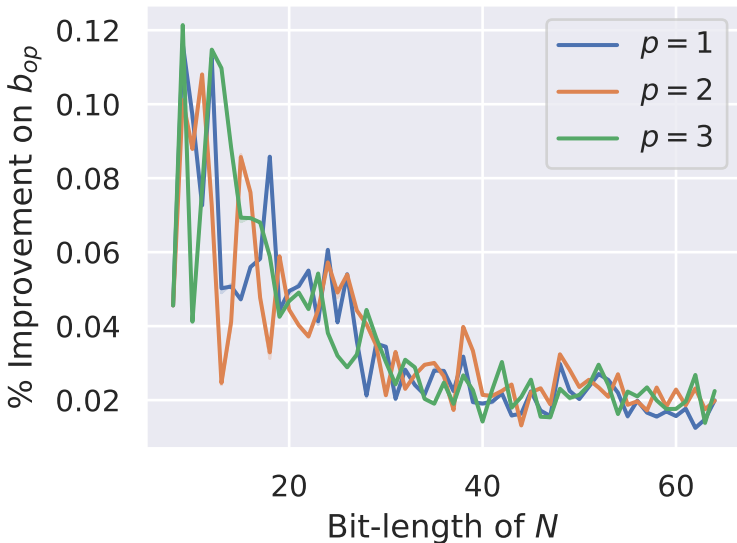


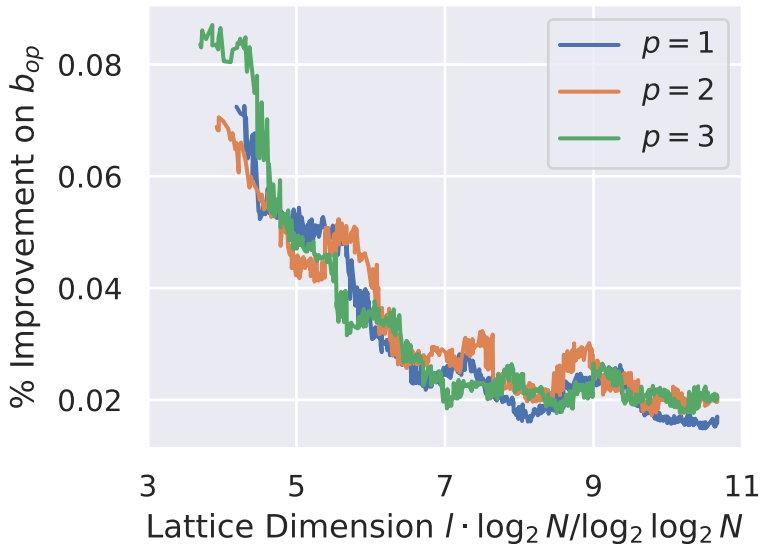
Best Improvement on b_{op}



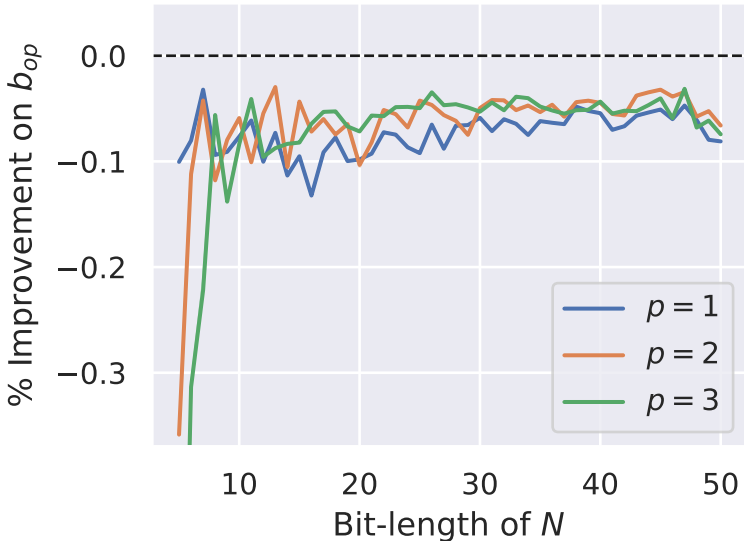
Best Improvement on b_{op}



Best Improvement on b_{op}
(Rolling Average)



Prob. to Improve on b_{op}



Expected Improvement on the Approximate Solution b_{op}

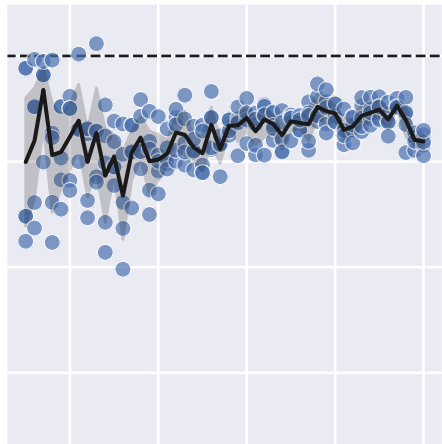
$p = 1$

$p = 2$

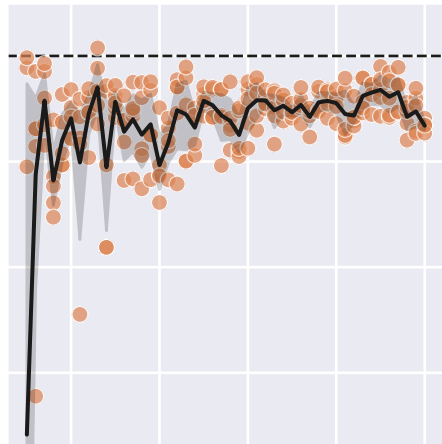
$p = 3$

% Improvement on b_{op}

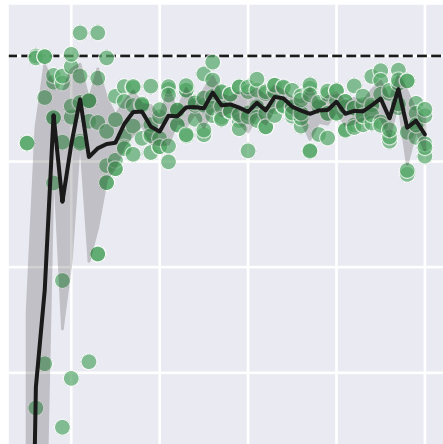
0.0
-0.1
-0.2
-0.3



10 20 30 40 50



10 20 30 40 50

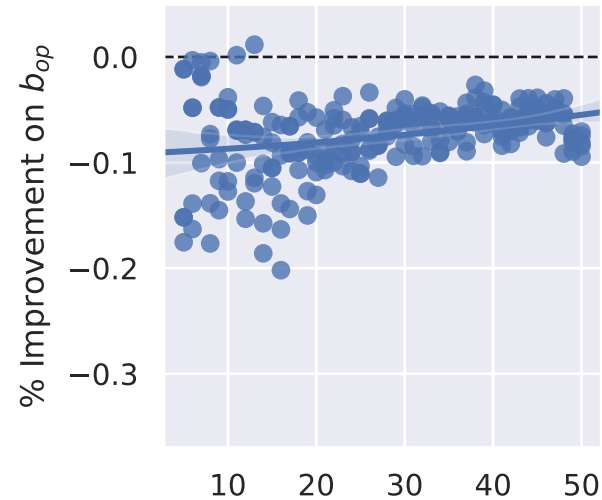


10 20 30 40 50

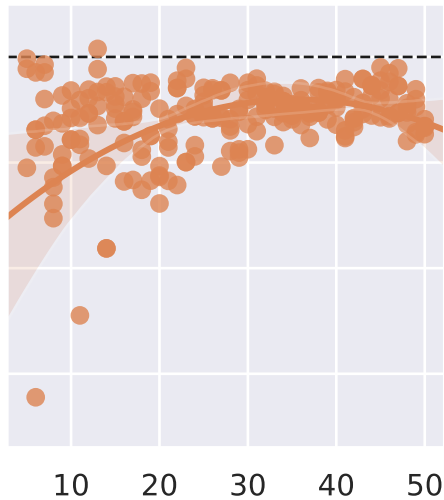
Bit-length of N

Expected Improvement on the Approximate Solution b_{op}

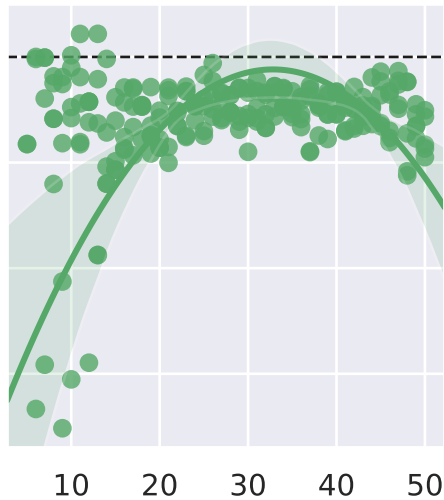
$p = 1$



$p = 2$



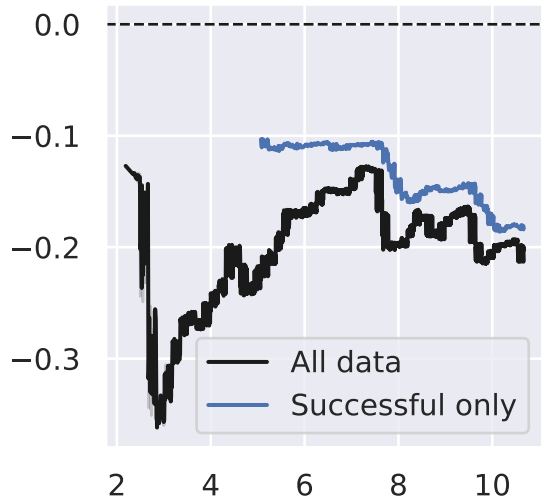
$p = 3$



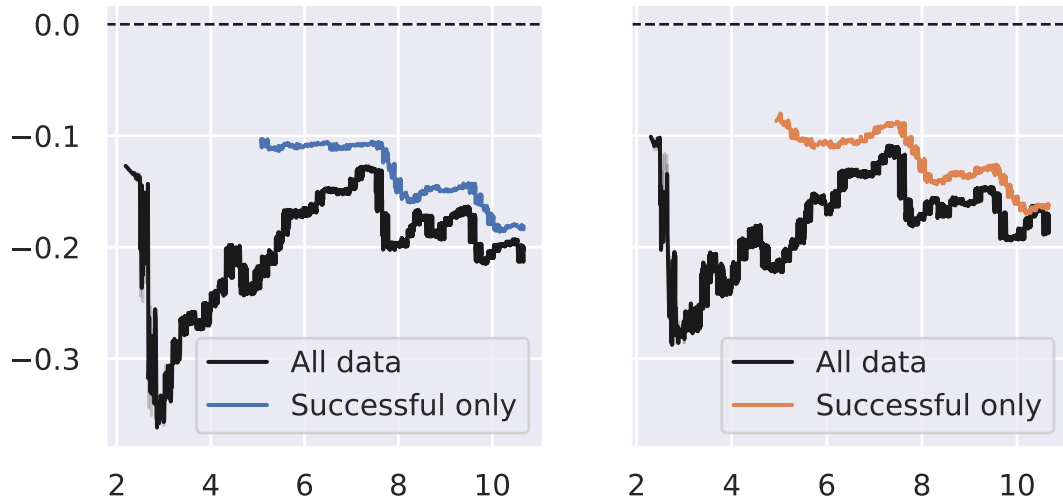
Bit-length of N

Expected Improvement on the Approximate Solution b_{op}

$p = 1$



$p = 2$

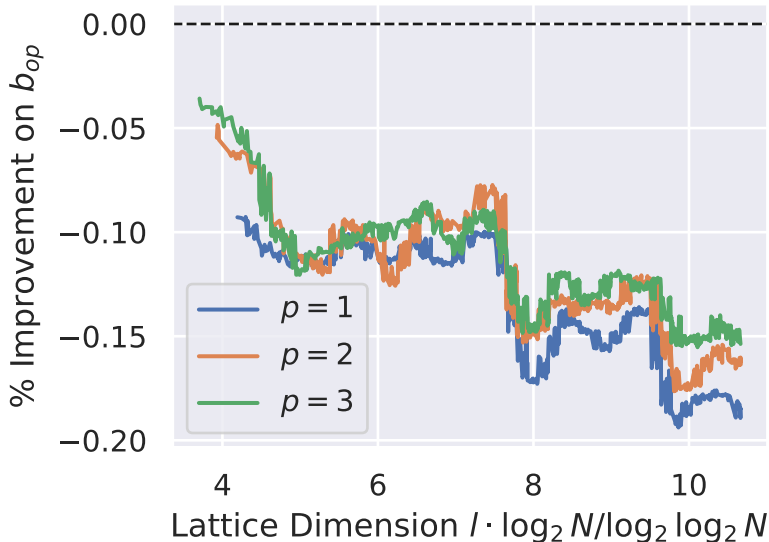


$p = 3$

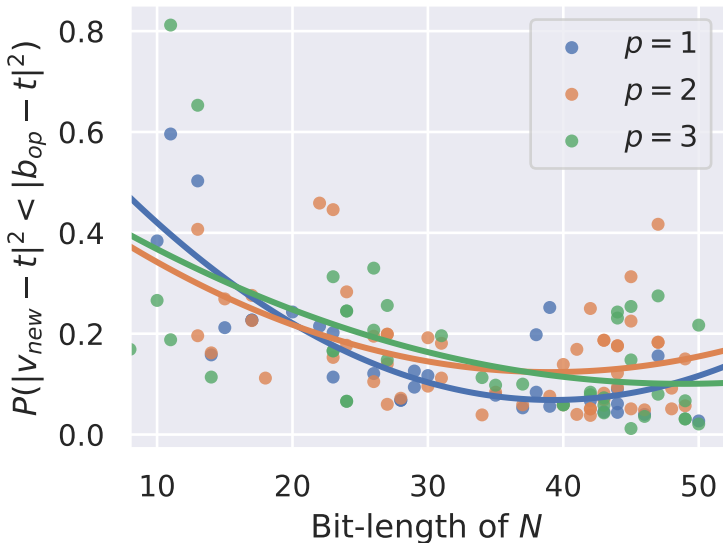


Lattice Dimension $l \cdot \log_2 N / \log_2 \log_2 N$

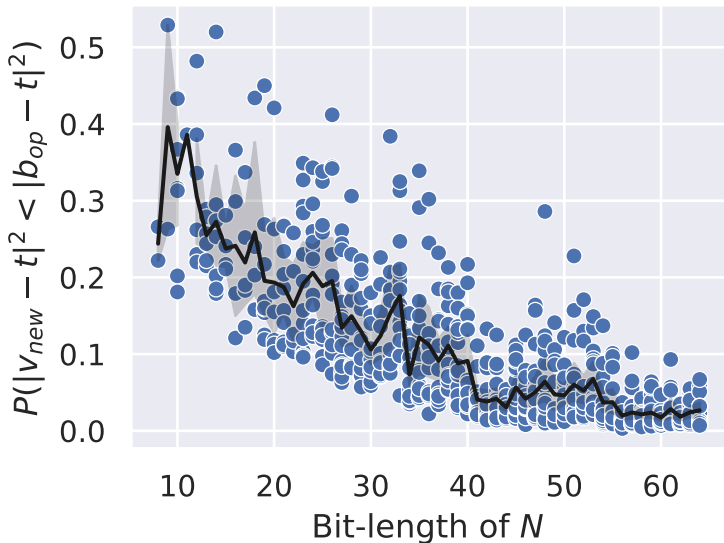
Expected Improvement on b_{op} (Rolling Average)



Prob. to Improve on b_{op}

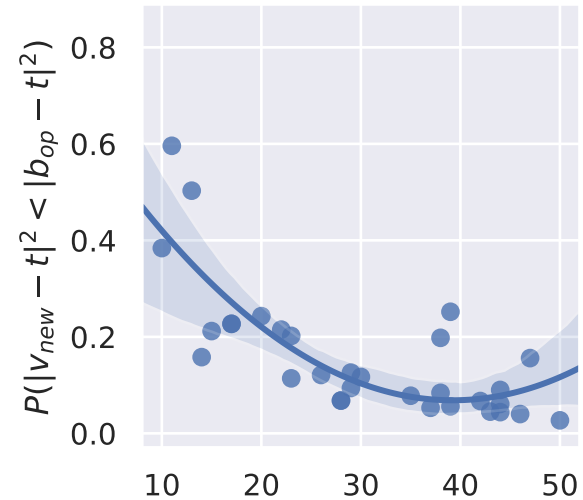


Prob. to Improve on b_{op}

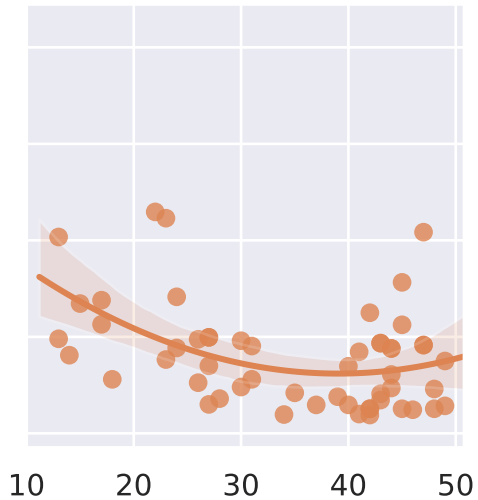


Prob. to Improve the Approximate Solution b_{op}

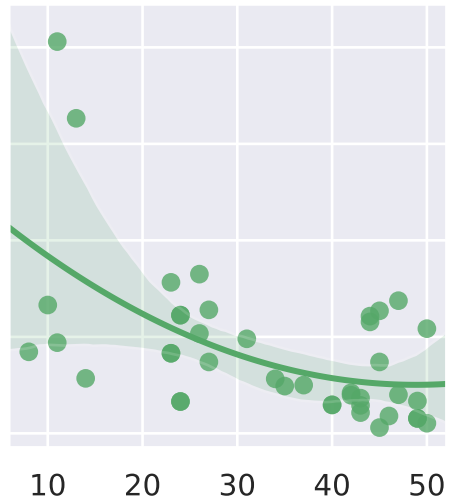
$p = 1$



$p = 2$



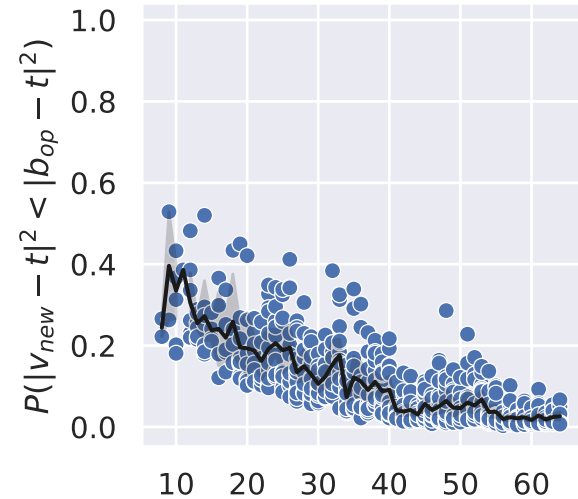
$p = 3$



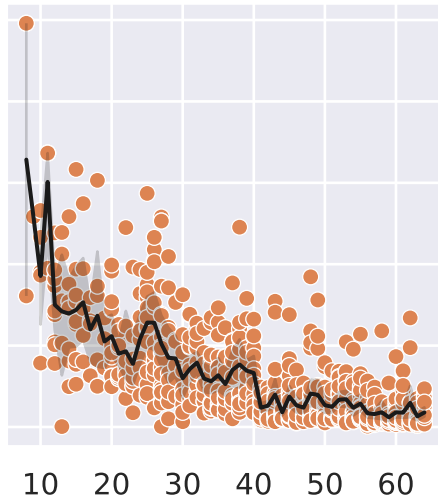
Bit-length of N

Prob. to Improve the Approximate Solution b_{op}

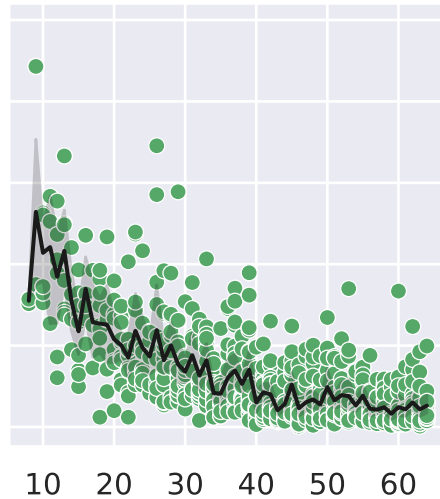
$p = 1$



$p = 2$

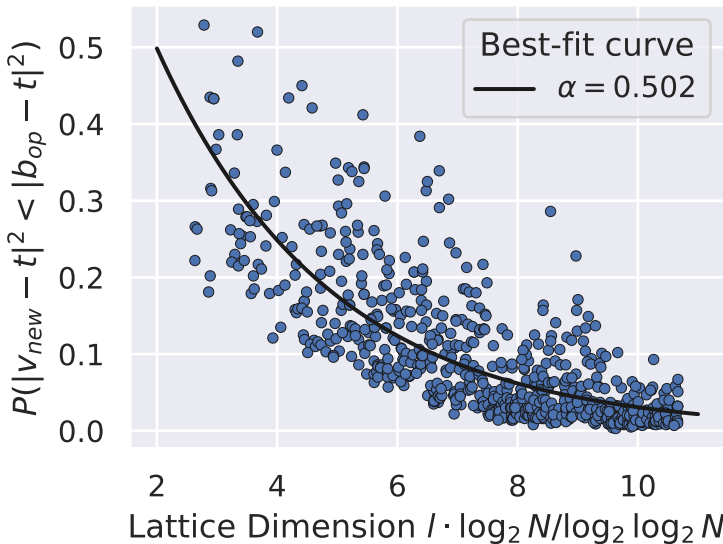


$p = 3$

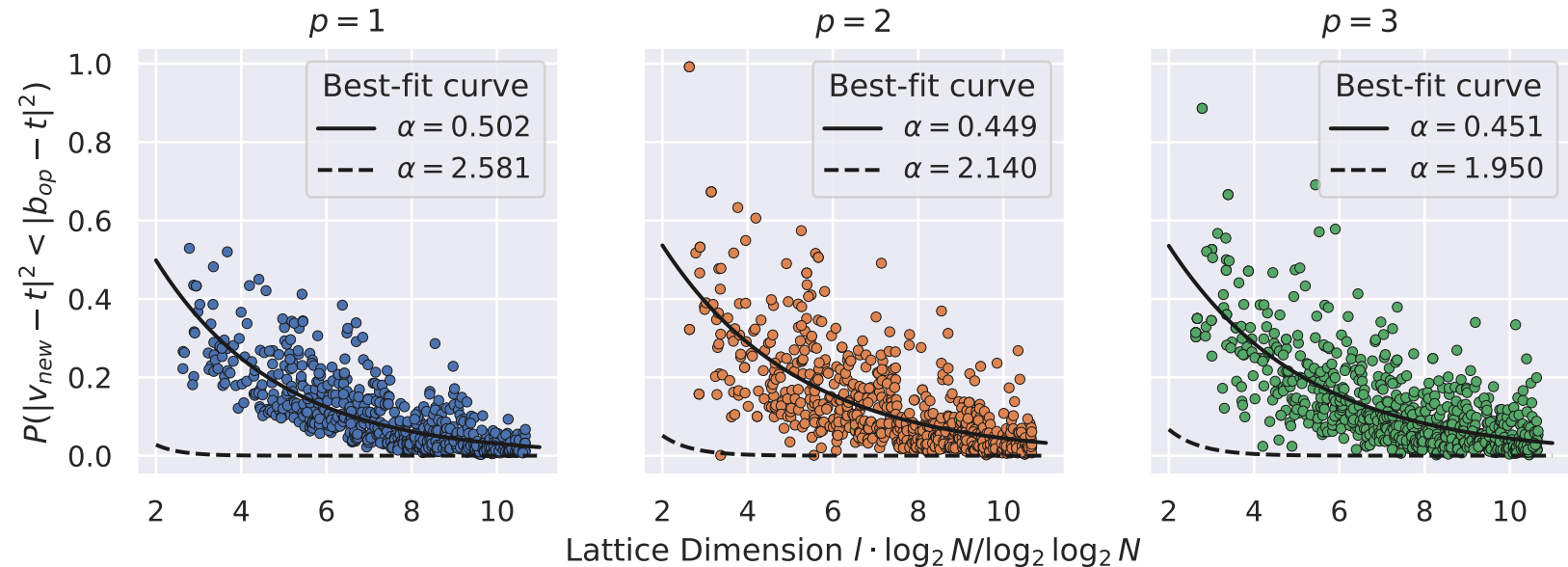


Bit-length of N

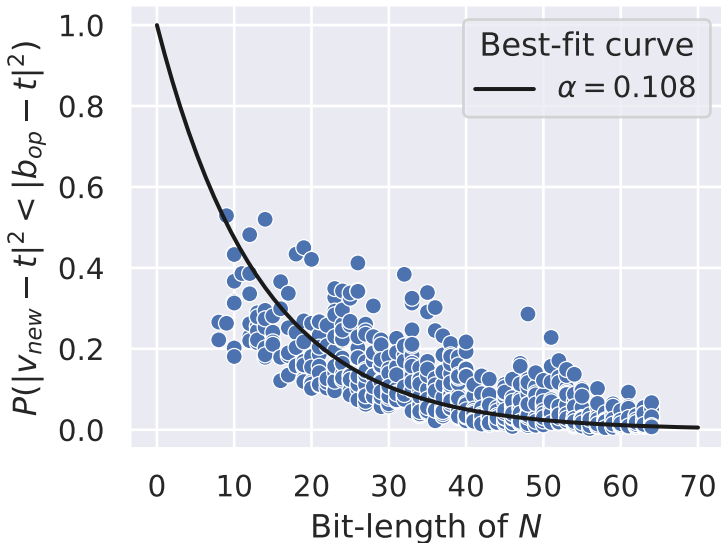
Prob. to Improve the Approximate Solution b_{op}



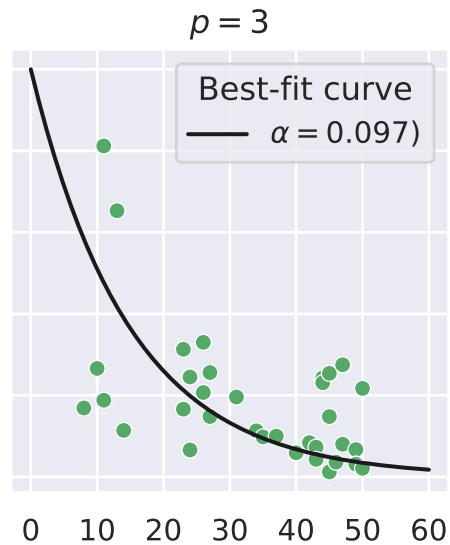
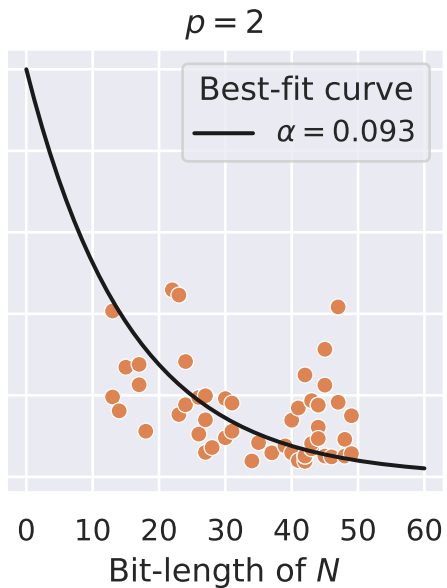
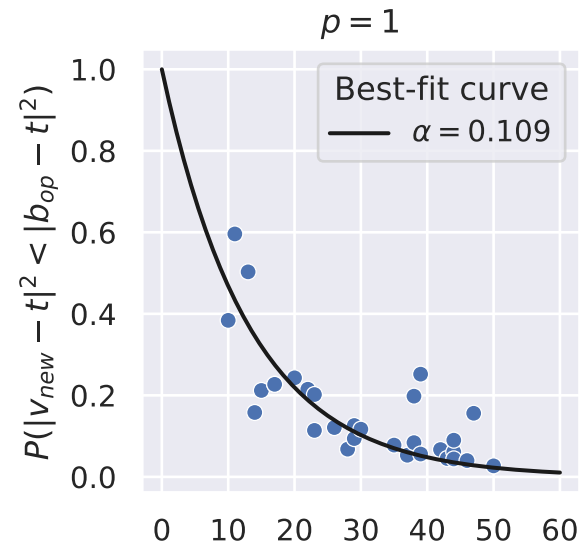
Prob. to Improve the Approximate Solution b_{op}



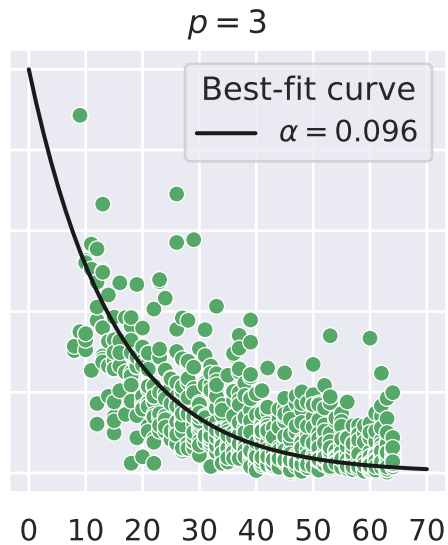
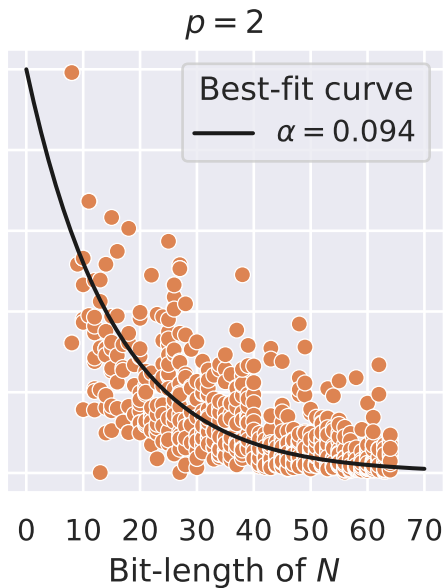
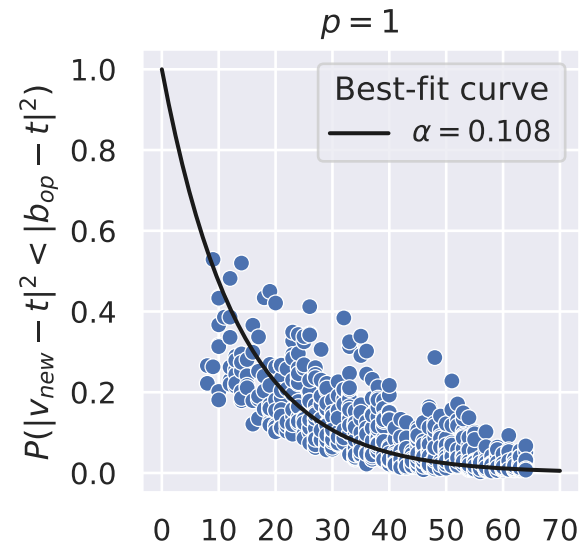
Prob. to Improve the Approximate Solution b_{op}



Prob. to Improve the Approximate Solution b_{op}



Prob. to Improve the Approximate Solution b_{op}



Prob. to Improve the Approximate Solution b_{op}
(Rolling Average)

