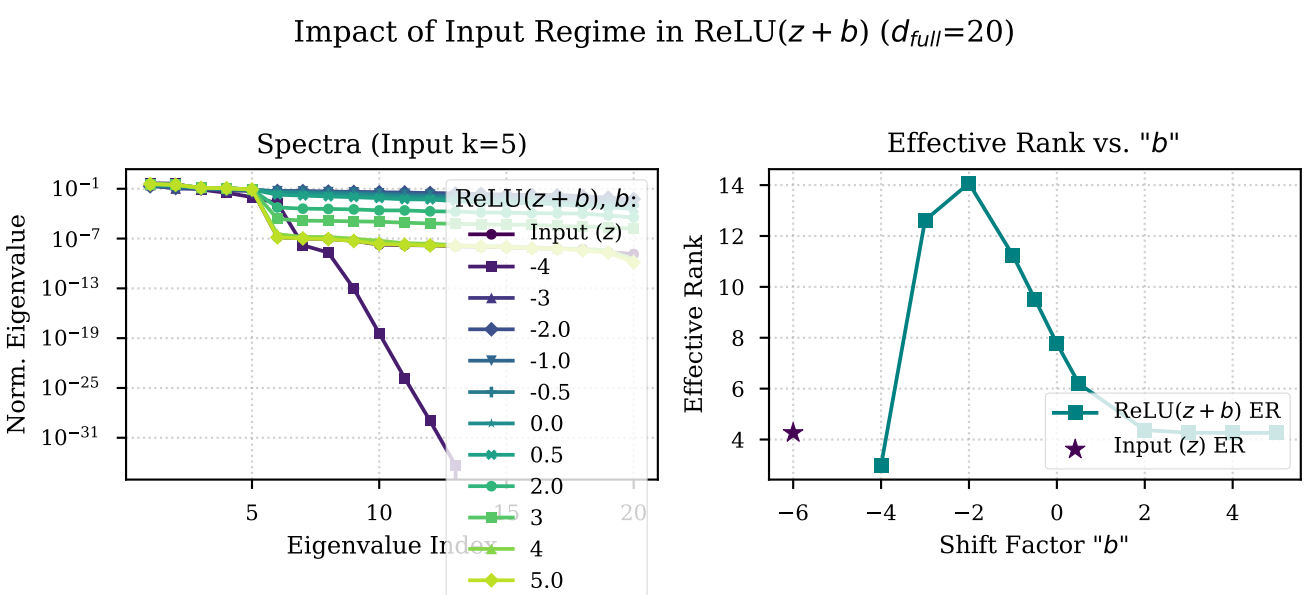
Impact of Input Regime in ReLU($z + b$) (d_{full}=20)
Spectra (Input k=5)
Norm. Eigenvalue
10^{-1}
10^{-7}
10^{-13}
10^{-19}
10^{-25}
10^{-31}
5
10
15
20
Eigenvalue Index
ReLU($z + b$), b:
Input (z)
-4
-3
-2.0
-1.0
-0.5
0.0
0.5
2.0
3
4
5.0
Effective Rank vs. "b"
Effective Rank
14
12
10
8
6
4
−6
−4
−2
0
2
4
Shift Factor "b"
ReLU($z + b$) ER
Input (z) ER