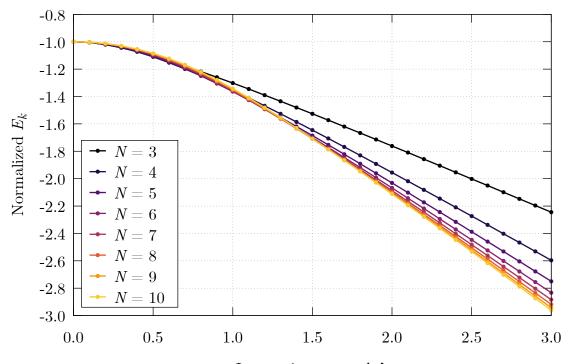Ising Haminltonian: $k = 1$ normalized eigenvalue

Interaction strength λ (horizontal axis)

Normalized E_k (vertical axis)

Legend:
- $N = 3$
- $N = 4$
- $N = 5$
- $N = 6$
- $N = 7$
- $N = 8$
- $N = 9$
- $N = 10$