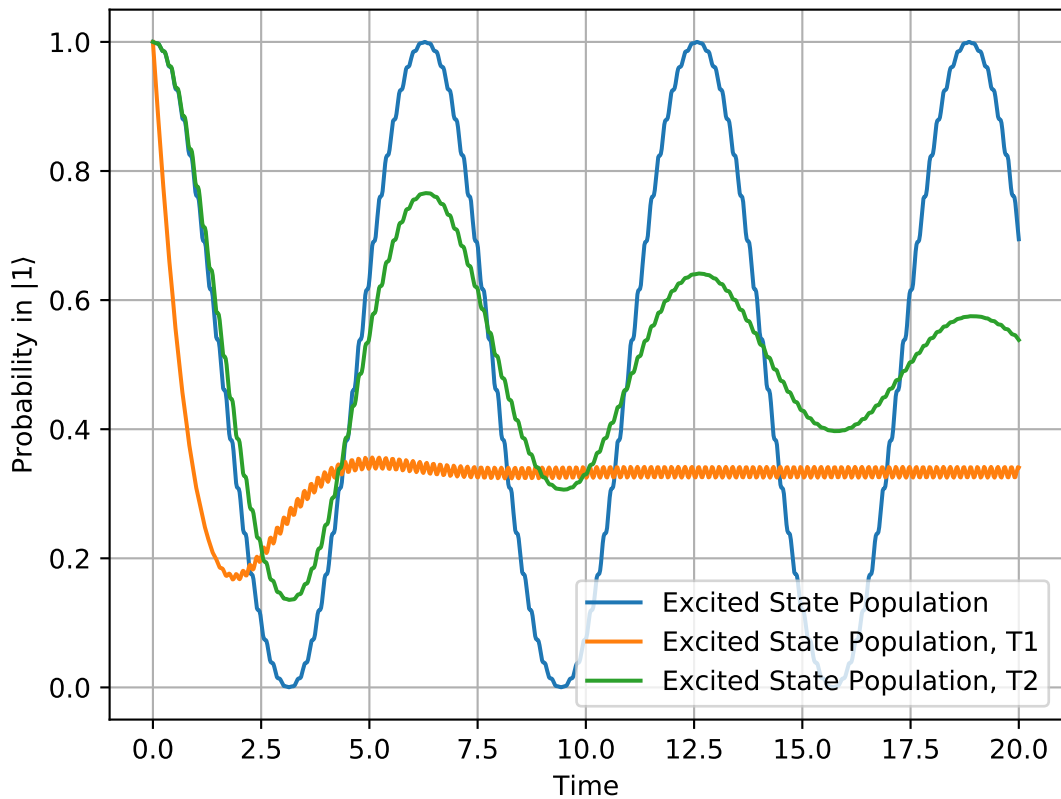
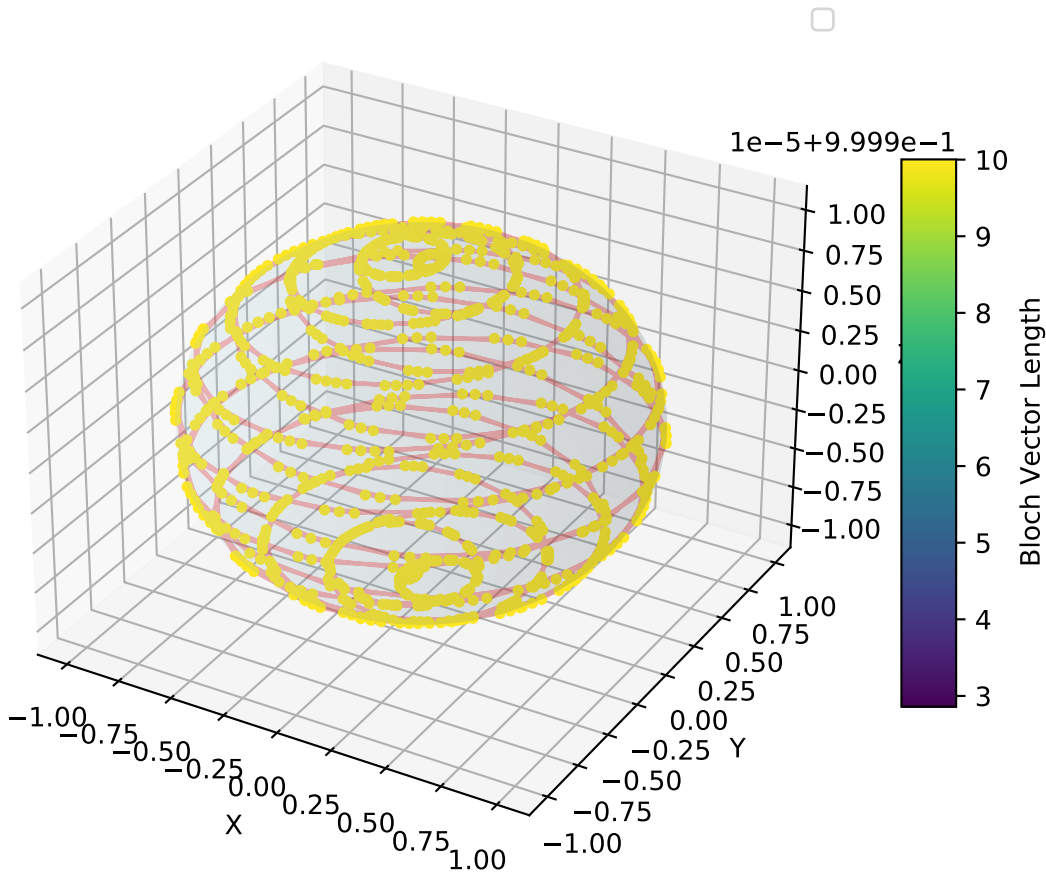


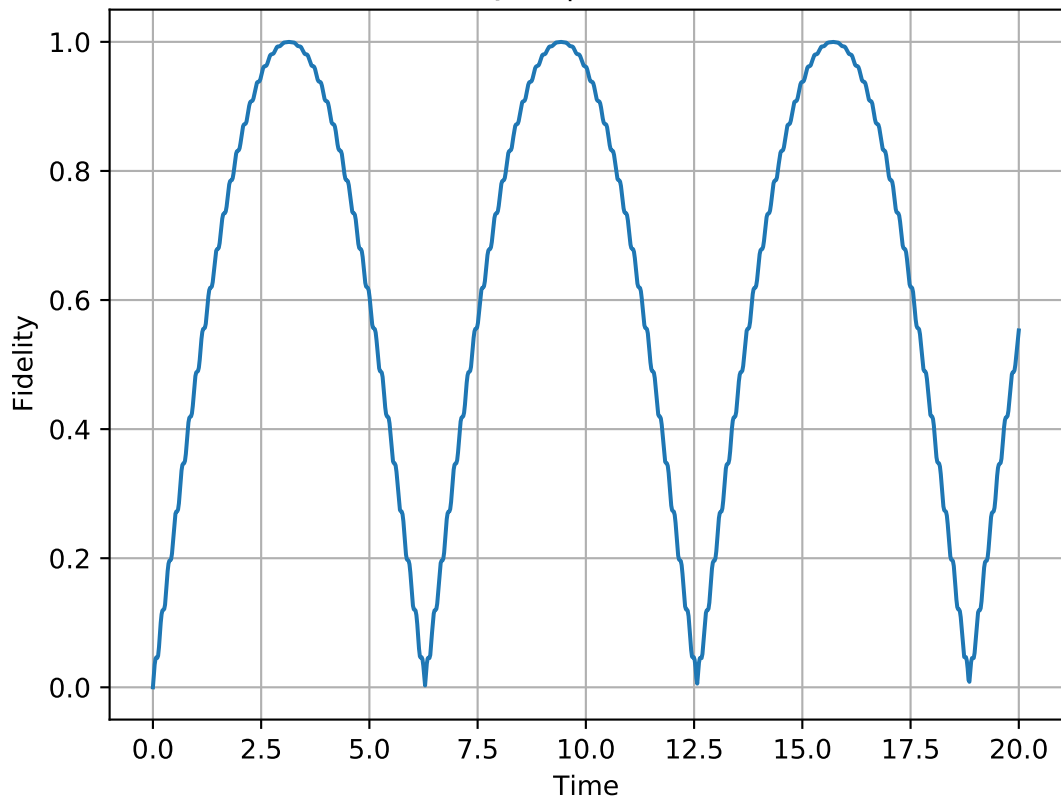
Driven Qubit with Decoherence ($T_1 + T_2$)



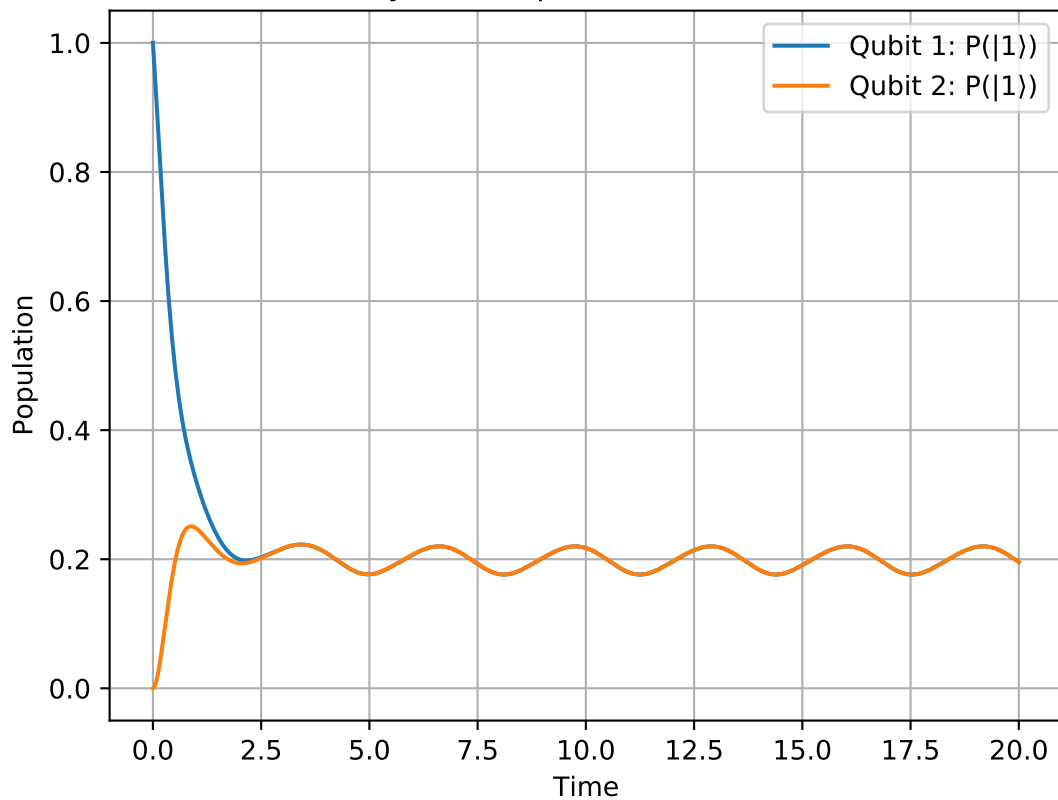
Bloch Sphere Trajectory



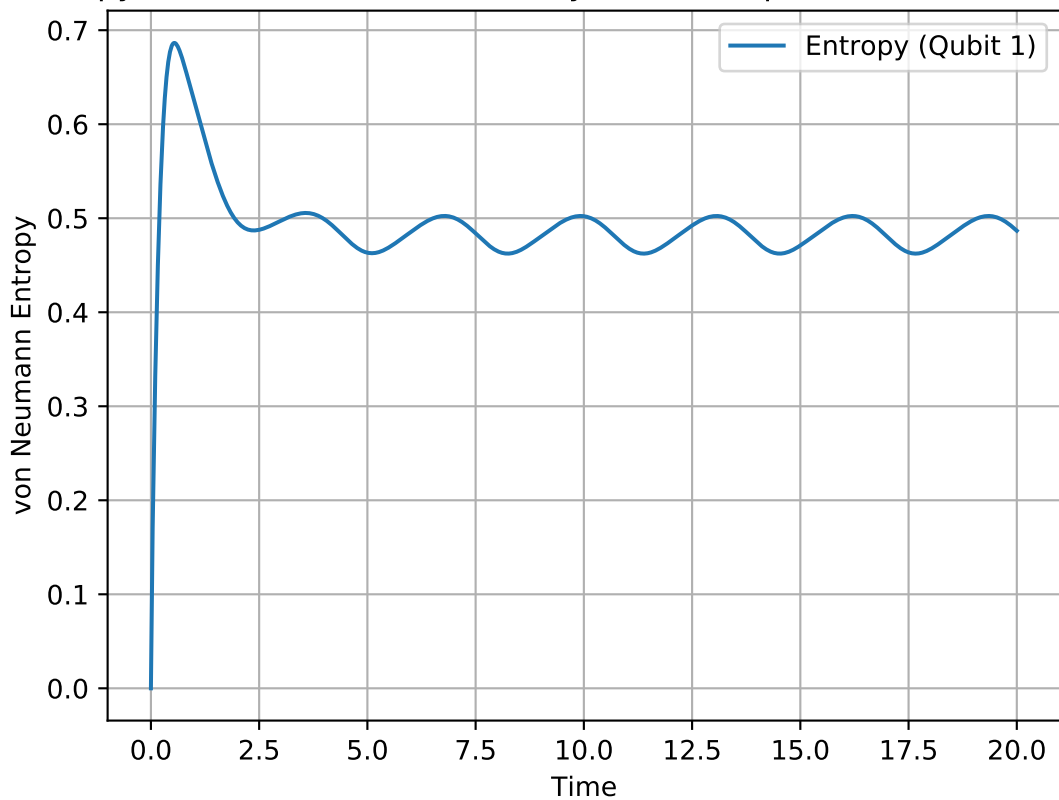
Fidelity to $|0\rangle$ over Time



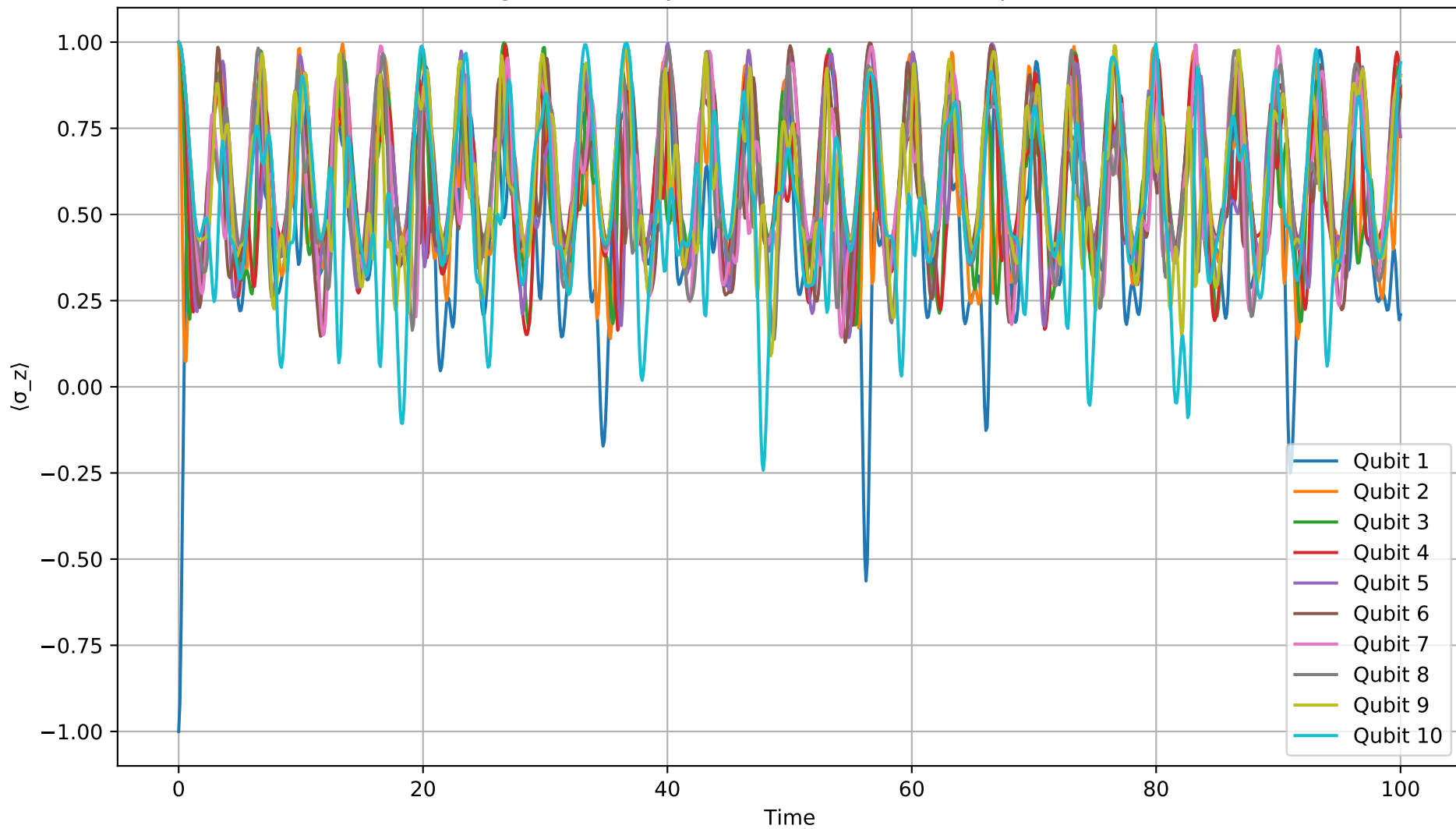
Two-Qubit System Populations with Decoherence



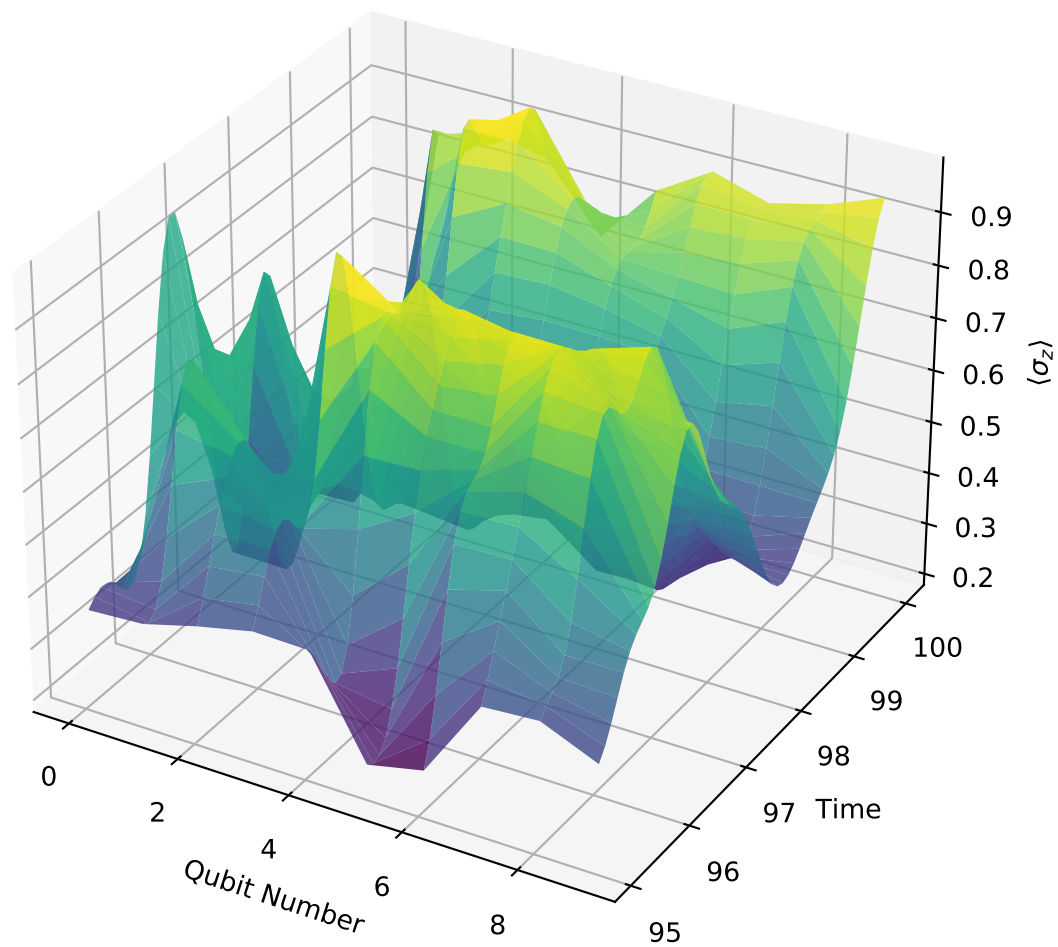
Entropy of Qubit 1 Reduced Density Matrix (2 qubits with decoherence)



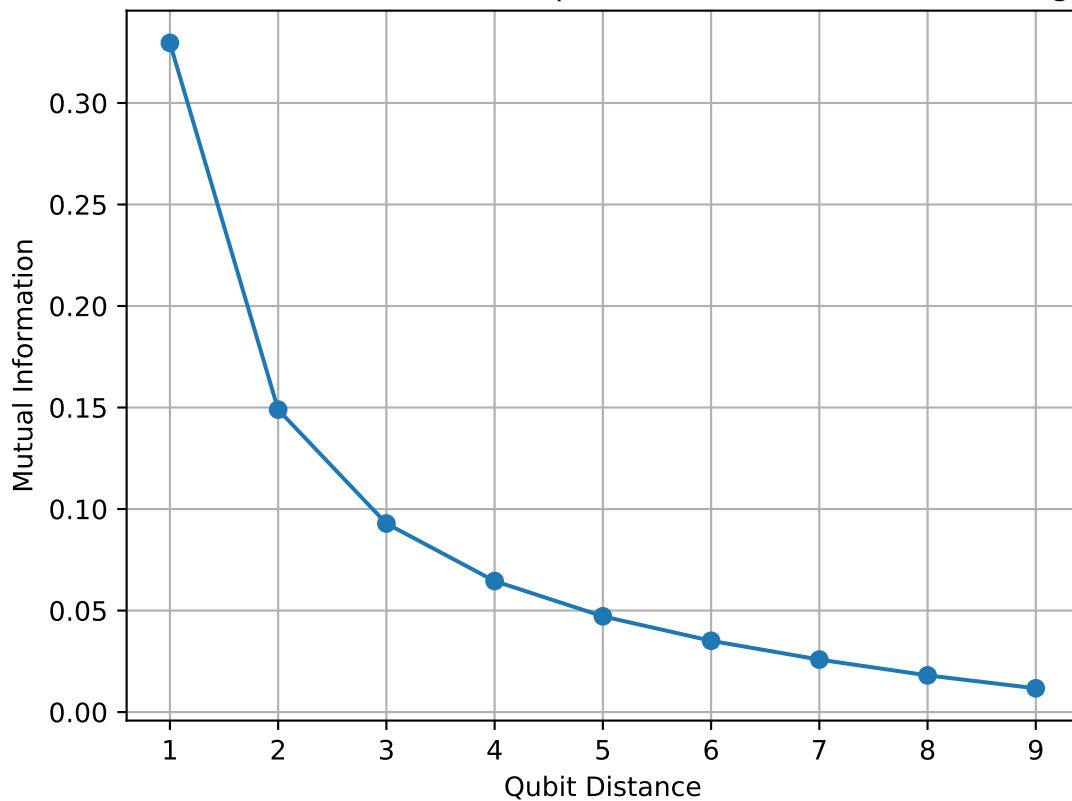
Magnetization Dynamics in 10-Qubit XXZ Spin Chain

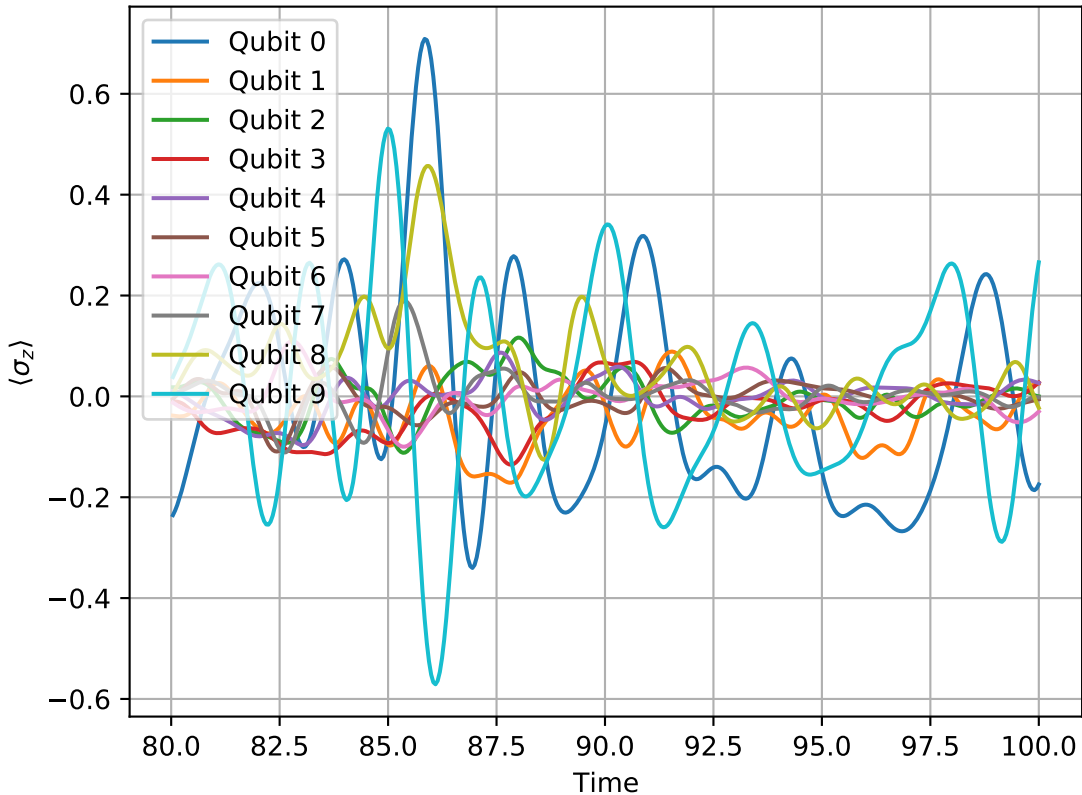


Spin Expectation vs Qubit (0 to 9) and Time

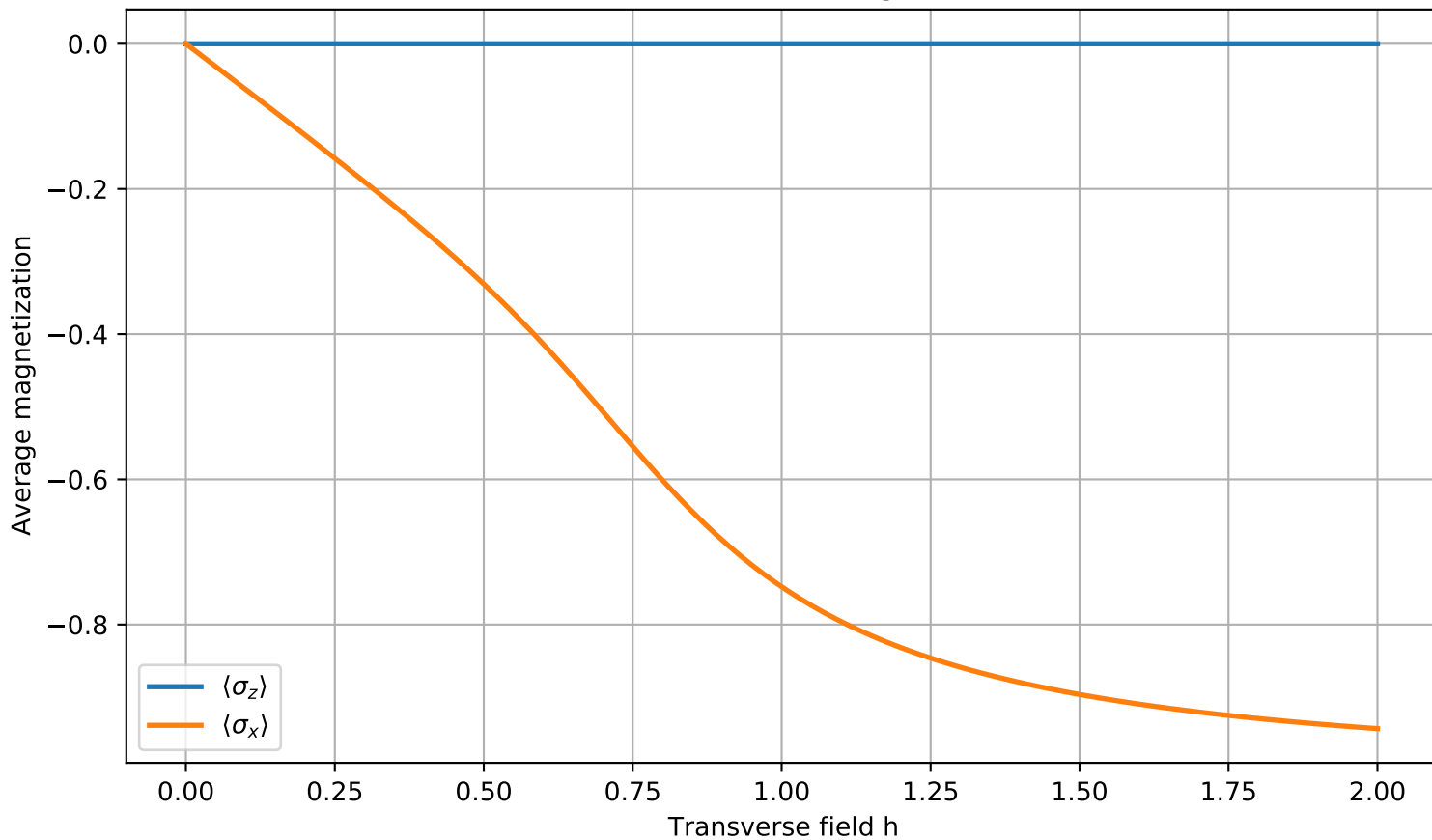


Mutual Information shared with qubit 0 vs Distance ($h = 1$), Ising Model

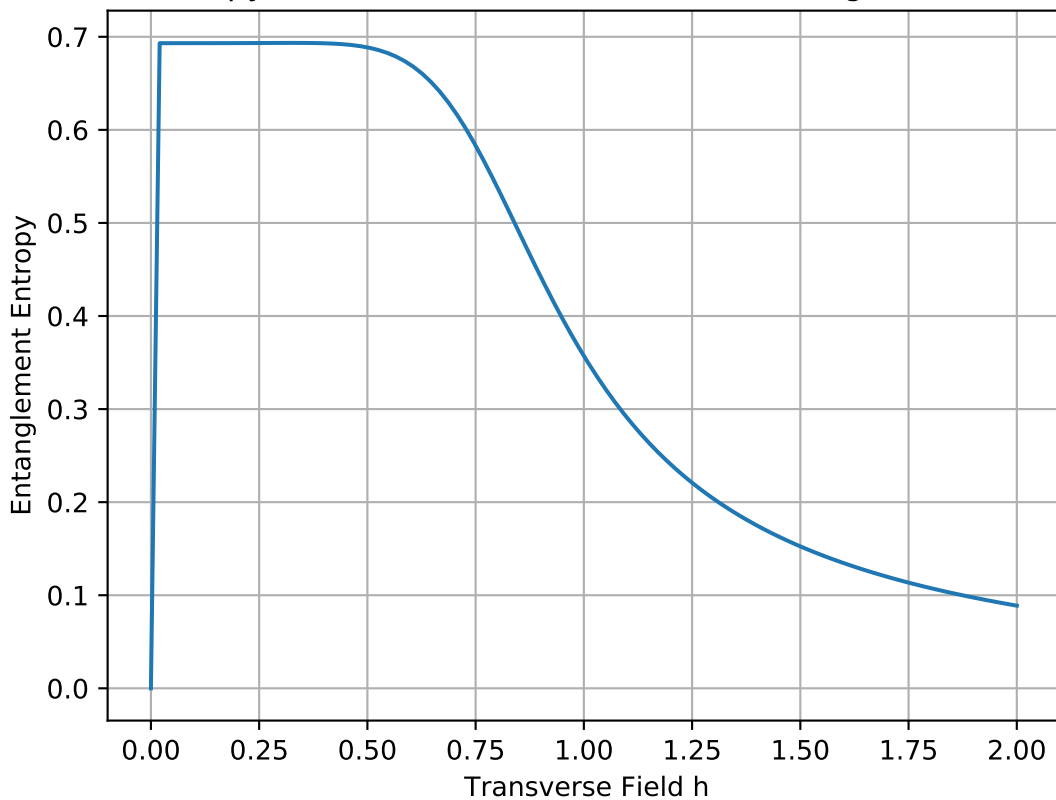




Quantum Phase Transition (N = 8), Ising model Ground State (GS)



Entropy Peak at Quantum Critical Point, Ising model GS



Mutual Information vs Transverse Field, Ising model GS

